

dangerous
murderess
toxic
chaos
killer
aggression
pissed
crucifixion
lurid
outburst
squander

murderer
assassinate
earthquake
mi-

murderous
homicide

Licensed under the Creative Commons Attribution 4.0 International

These slides are brought to you by:

Sealie & Lambie Productions

The PoCverse
Ousiometrics
2 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

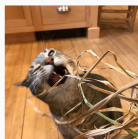
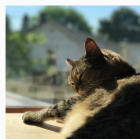
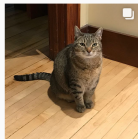
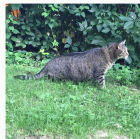
Nutshell

References



These slides are also brought to you by:

Special Guest Executive Producer



 On Instagram at [pratchett_the_cat](https://www.instagram.com/pratchett_the_cat) 

The PoCVerse
Ousiometrics
3 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Outline

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References

The PoCSverse

Ousiometrics

4 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ouslometer

Correspondences

Nutshell

References



The meaning of meaning:¹



“Ousiometrics: The essence of meaning aligns with a power-danger-structure framework instead of valence-arousal-dominance” ↗

Dodds et al.,

Science Advances, **12**, eadr4039, 2026. [5]

The PoCVerse
Ousiometrics
5 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



The meaning of meaning:¹



“Ousiometrics: The essence of meaning aligns with a power-danger-structure framework instead of valence-arousal-dominance” 

Dodds et al.,

Science Advances, **12**, eadr4039, 2026. ^[5]

The PoCVerse

Ousiometrics

5 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



¹Original title (too long!): Ousiometrics and Telegnomics: The essence of meaning conforms to a two-dimensional powerful-weak and dangerous-safe framework with diverse corpora presenting a safety bias

The meaning of meaning:¹



“Ousiometrics: The essence of meaning aligns with a power-danger-structure framework instead of valence-arousal-dominance” ↗

Dodds et al.,
Science Advances, **12**, eadr4039, 2026. [5]

What does meaning even mean?

¹Original title (too long!): Ousiometrics and Telegnomics: The essence of meaning conforms to a two-dimensional powerful-weak and dangerous-safe framework with diverse corpora presenting a safety bias

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



The meaning of meaning:¹



“Ousiometrics: The essence of meaning aligns with a power-danger-structure framework instead of valence-arousal-dominance” ↗

Dodds et al.,
Science Advances, **12**, eadr4039, 2026. [5]

What does meaning even mean?



From the smack-tweeting Merriam-Webster:²

“The thing that is conveyed especially by language”

¹Original title (too long!): Ousiometrics and Telegnomics: The essence of meaning conforms to a two-dimensional powerful-weak and dangerous-safe framework with diverse corpora presenting a safety bias

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



The meaning of meaning:¹



“Ousiometrics: The essence of meaning aligns with a power-danger-structure framework instead of valence-arousal-dominance” 

Dodds et al.,
Science Advances, **12**, eadr4039, 2026. ^[5]

What does meaning even mean?



From the smack-tweeting Merriam-Webster:²

“The thing that is conveyed especially by language”

¹Original title (too long!): Ousiometrics and Telegnomics: The essence of meaning conforms to a two-dimensional powerful-weak and dangerous-safe framework with diverse corpora presenting a safety bias

²Life goal: Never get owned by a dictionary on social media

The PoCVerse
Ousiometrics
5 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



The meaning of meaning:¹



“Ousiometrics: The essence of meaning aligns with a power-danger-structure framework instead of valence-arousal-dominance” ↗

Dodds et al.,
Science Advances, **12**, eadr4039, 2026. [5]

What does meaning even mean?



From the smack-tweeting Merriam-Webster:²

“The thing that is conveyed especially by language”



What are the essential characteristics of meaning?

The PoCVerse
Ousiometrics
5 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



¹Original title (too long!): Ousiometrics and Telegnomics: The essence of meaning conforms to a two-dimensional powerful-weak and dangerous-safe framework with diverse corpora presenting a safety bias

²Life goal: Never get owned by a dictionary on social media

The meaning of meaning:¹



“Ousiometrics: The essence of meaning aligns with a power-danger-structure framework instead of valence-arousal-dominance” ↗

Dodds et al.,
Science Advances, **12**, eadr4039, 2026. [5]

What does meaning even mean?



From the smack-tweeting Merriam-Webster:²

“The thing that is conveyed especially by language”



What are the essential characteristics of meaning?



Does essential meaning meaningfully span some kind of space?

The PoCVerse
Ousiometrics
5 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



¹Original title (too long!): Ousiometrics and Telegnomics: The essence of meaning conforms to a two-dimensional powerful-weak and dangerous-safe framework with diverse corpora presenting a safety bias

²Life goal: Never get owned by a dictionary on social media

Measuring essential meaning

History
Definitions
Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
Dimension names

Safety bias

Applications

The Ousiometer
Correspondences
Nutshell

References



Abed's search for the meaning of Christmas



Abed's Uncontrollable Christmas, S2E11 of Community

Community

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousimeter

Correspondences

Nutshell

References



“Abed’s Uncontrollable Christmas” , S2E11 of Community



Abed searches for the meaning of Christmas (in stop animation)

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



“Abed’s Uncontrollable Christmas” , S2E11 of Community



Abed searches for the meaning of Christmas (in stop animation)



Abed Nadir: [opens present] “It’s the first season of Lost on DVD.”

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



“Abed’s Uncontrollable Christmas” , S2E11 of Community

-  Abed searches for the meaning of Christmas (in stop animation)
-  Abed Nadir: [opens present] “It’s the first season of Lost on DVD.”
-  Pierce Hawthorne : “That’s the meaning of Christmas?”

Measuring essential meaning

History
Definitions
Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
Dimension names

Safety bias

Applications

The Ousiometer
Correspondences
Nutshell

References



“Abed’s Uncontrollable Christmas” , S2E11 of Community

-  Abed searches for the meaning of Christmas (in stop animation)
-  Abed Nadir: [opens present] “It’s the first season of Lost on DVD.”
-  Pierce Hawthorne : “That’s the meaning of Christmas?”
-  Abed Nadir: “It’s a metaphor.

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References





“Abed’s Uncontrollable Christmas” , S2E11 of Community

-  Abed searches for the meaning of Christmas (in stop animation)
-  Abed Nadir: [opens present] “It’s the first season of Lost on DVD.”
-  Pierce Hawthorne : “That’s the meaning of Christmas?”
-  Abed Nadir: “It’s a metaphor. It represents lack of payoff.”

“Introduction to Teaching” , S5E02 of Community

Measuring essential meaning

History
Definitions
Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
Dimension names

Safety bias

Applications

The Ousiometer
Correspondences
Nutshell

References



Abed's struggle:

“Abed’s Uncontrollable Christmas” , S2E11 of Community

-  Abed searches for the meaning of Christmas (in stop animation)
-  Abed Nadir: [opens present] “It’s the first season of Lost on DVD.”
-  Pierce Hawthorne : “That’s the meaning of Christmas?”
-  Abed Nadir: “It’s a metaphor. It represents lack of payoff.”

“Introduction to Teaching” , S5E02 of Community

Abed Nadir: “I thought the meaning of people was somewhere in here.”

The PoCverse
Ousiometrics
7 of 129

Measuring essential meaning

History
Definitions
Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
Dimension names

Safety bias

Applications

The Ousiometer
Correspondences
Nutshell

References



Abed Nadir: "I thought the meaning of people was somewhere in here. Then I looked inside Nicolas Cage and I found a secret

Abed's struggle:

“Abed’s Uncontrollable Christmas” , S2E11 of Community

-  Abed searches for the meaning of Christmas (in stop animation)
-  Abed Nadir: [opens present] “It’s the first season of Lost on DVD.”
-  Pierce Hawthorne : “That’s the meaning of Christmas?”
-  Abed Nadir: “It’s a metaphor. It represents lack of payoff.”

“Introduction to Teaching” , S5E02 of Community

Abed Nadir: “I thought the meaning of people was somewhere in here. Then I looked inside Nicolas Cage and I found a secret—people are random and pointless.”

The PoCverse
Ousiometrics
7 of 129

Measuring essential meaning

History
Definitions
Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
Dimension names

Safety bias

Applications

The Ousiometer
Correspondences
Nutshell

References



Outline

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References

The PoCVerse

Ousiometrics

9 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

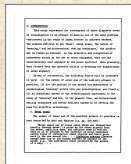
Correspondences

Nutshell

References



The meaning of pings:



“A factorial study of complex auditory stimuli (passive sonar sounds)”

L. M. Solomon,

Unpublished Doctoral Dissertation, University of Illinois, 12, ,

1954. [24]

From the introduction:

‘This study represents the convergence of three disparate areas of investigation in an attempt to analyze one of the many problems encountered in the study of human factors in undersea warfare.

The domains referred to are these:

- naval sonar,
- the nature of “meaning,”
- and multidimensional scaling techniques.

The problem may be stated as follows: In the detection and recognition of underwater sounds by the use of sonar equipment, what are the discriminative cues employed by the sonar operator?

More generally, what factors does the operator utilize in decoding the significance of sonar signals?’

The PoCVerse

Ousiometrics

10 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

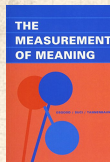
Correspondences

Nutshell

References



From pings to things:



“The Measurement of Meaning” by Osgood, Suci, and Tannenbaum (1957). ^[15]



Osgood et al. used semantic
differentials  and factor analysis to
identify a basis of three variables for
meaning-space:

THE DIMENSIONALITY OF THE SEMANTIC SPACE 67

Table 6
UNLIMITED CATEGORIES FACTOR LOADINGS AND COMMUNITIES (DOUGLASS TEST)

	I	II	III	IV	V	VI	VII	VIII	IX
1. pleasant-unpleasant	.08	-.05	-.00	.33	-.07	-.24	.13	-.50	.53
2. mental-physical	.24	.15	.24	.52	.12	.14	.12	.26	.48
3. smooth-rough	.22	.08	.02	.35	.08	-.24	.08	-.07	.48
4. soft-hard	.07	-.05	.07	.27	.45	.52	.13	.13	.48
5. beautiful-ugly	.38	.46	.05	.37	-.35	-.35	.15	-.16	.58
6. soft-hard	.25	.14	.26	.26	.24	.14	.19	.02	.48
7. low-high	.22	-.46	-.28	.07	.39	-.35	.07	-.50	.50
8. powerful-weak	.45	-.40	-.32	.06	.38	.48	-.50	.16	.48
9. slowly-fast	.20	.46	.28	.07	.19	.16	.02	-.24	.37
10. soft-hard	.10	.41	.07	.02	.07	-.29	.08	.11	.47
11. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
12. good-bad	.36	.39	.16	-.11	-.14	-.11	.18	-.11	.50
13. holding-releasing	.00	-.08	-.19	.49	.08	-.07	.08	.08	.50
14. mild-hot	.36	-.08	.37	.11	-.08	-.03	.37	-.08	.36
15. time-lazy	.32	.17	.48	-.34	.33	.35	-.22	.07	.46
16. fast-slow	.18	-.28	-.08	.31	.31	.31	.32	-.02	.34
17. moving-stopping	.41	.28	.08	.33	.37	.37	.01	.16	.37
18. moving-stopping	.41	.28	.08	.33	.37	.37	.01	.16	.37
19. moving-stopping	.41	.28	.08	.33	.37	.37	.01	.16	.37
20. moving-stopping	.41	.28	.08	.33	.37	.37	.01	.16	.37
21. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
22. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
23. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
24. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
25. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
26. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
27. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
28. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
29. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
30. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
31. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
32. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
33. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
34. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
35. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
36. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
37. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
38. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
39. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
40. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
41. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
42. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
43. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
44. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
45. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
46. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
47. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
48. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
49. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45
50. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.45

The PoCVerse
Ousiometrics
11 of 129

Measuring essential
meaning

History
Definitions

Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
Dimension names

Safety bias

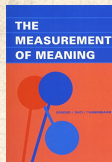
Applications

The Ousiometer
Correspondences
Nutshell

References



From pings to things:



“The Measurement of Meaning” by Osgood, Suci, and Tannenbaum (1957). ^[15]



Osgood et al. used semantic
differentials  and factor analysis to
identify a basis of three variables for
meaning-space:



Evaluation: {bad $\Leftrightarrow$ good}

THE SEMANTICITY OF THE SEMANTIC SPACE 67

Table 6
UNBIASED CENTROID FACTOR LOADINGS AND COMMUNITIES (DOUGLASS TEST)

	I	II	III	IV	V	VI	VII	VIII	IX
1. pleasant-unpleasant	.58	-.26	-.30	.33	-.07	-.24	.13	-.30	.53
2. mental-physical	.24	.15	.24	.52	.11	.14	.11	.26	.48
3. smooth-rough	.22	.26	.22	.33	.08	-.24	.08	-.07	.48
4. softness-hard	.07	-.20	.27	.47	.43	.53	.11	.13	.48
5. beautiful-ugly	.38	.46	.35	.37	-.34	-.35	.11	-.16	.58
6. softness-hard	.25	.14	.26	.26	.34	.14	.02	.43	.48
7. low-high	.22	-.46	-.26	.27	.39	-.35	.17	-.50	.50
8. powerlessness	.42	-.40	-.22	.36	.36	.18	.48	-.30	.56
9. slowly-fast	.20	.46	.26	.21	.15	.16	.20	-.24	.37
10. soft-hard	.10	.41	.27	.23	.07	-.29	.08	.11	.47
11. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.43
12. good-bad	.36	.39	.16	-.11	-.11	.11	.18	-.11	.30
13. holding-releasing	.50	-.08	-.19	.49	.08	-.07	.08	.08	.50
14. mild-harsh	.36	-.08	.27	.11	-.09	-.03	.27	-.09	.36
15. time-lazy	.32	.17	.48	-.14	.23	.25	-.22	.07	.46
16. strong-weak	.18	-.28	-.08	.21	.21	.32	.02	-.02	.24
17. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
18. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
19. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
20. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
21. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
22. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
23. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
24. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
25. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
26. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
27. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
28. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
29. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
30. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
31. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
32. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
33. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
34. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
35. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
36. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
37. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
38. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
39. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
40. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
41. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
42. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
43. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
44. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
45. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
46. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
47. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
48. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
49. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27
50. strong-weak	.41	.28	.08	.13	.37	.37	.01	.16	.27

The PoCVerse
Ousiometrics
11 of 129

Measuring essential
meaning

History
Definitions

Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
Dimension names

Safety bias

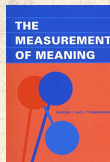
Applications

The Ousiometer
Correspondences
Nutshell

References



From pings to things:



“The Measurement of Meaning” by Osgood, Suci, and Tannenbaum (1957). ^[15]



Osgood et al. used semantic differentials  and factor analysis to identify a basis of three variables for meaning-space:



Evaluation: {bad $\Leftrightarrow$ good}



Potency: {weak $\Leftrightarrow$ strong}

THE SEMANTICITY OF THE SEMANTIC SPACE 67

Table 6
UNLIMITED CONTRAST FACTOR LOADINGS AND COMMUNITIES (DOUGLASS TEST)

	I	II	III	IV	V	VI	VII	VIII	IX
1. pleasant-unpleasant	.08	-.26	-.30	.33	-.07	-.24	.13	-.30	.53
2. mental-physical	.24	.15	.24	.52	.14	.14	.26	.26	.26
3. smooth-rough	.22	.26	.22	.35	.08	-.24	.08	-.07	.48
4. soft-hard	.07	-.20	.27	.47	.45	.53	.13	.13	.38
5. beautiful-ugly	.38	.46	.35	.37	-.35	-.35	.15	-.16	.58
6. soft-hard	.25	.14	.26	.26	.24	.14	.02	.02	.58
7. low-high	.22	-.46	-.26	.27	.39	-.35	.17	-.50	.50
8. powerful-weak	.45	-.40	-.22	.36	.36	.36	.48	-.30	.56
9. slowly-fast	.20	.46	.26	.27	.15	.16	.20	-.24	.37
10. soft-hard	.10	.41	.27	.20	.07	-.29	.08	.11	.47
11. full-empty	.51	-.26	.26	.08	-.11	-.08	.07	.04	.45
12. good-bad	.36	.39	.16	.14	-.11	.18	.11	.16	.30
13. holding-releasing	.00	-.06	-.19	.49	.08	-.07	.08	.08	.50
14. mild-hot	.36	-.06	.27	.11	.09	-.03	.27	.09	.36
15. time-lazy	.32	.17	.48	-.14	.33	.35	.22	.07	.46
16. slow-fast	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
17. strong-weak	.28	.08	.33	.37	.37	.37	.31	.16	.27
18. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
19. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
20. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
21. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
22. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
23. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
24. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
25. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
26. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
27. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
28. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
29. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
30. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
31. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
32. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
33. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
34. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
35. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
36. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
37. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
38. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
39. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
40. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
41. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
42. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
43. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
44. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
45. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
46. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
47. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
48. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
49. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34
50. strong-weak	.41	.22	-.06	.31	.21	.31	.32	-.02	.34

The PoCVerse
Ousiometrics
11 of 129

Measuring essential
meaning

History
Definitions

Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
Dimension names

Safety bias

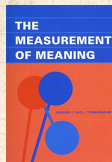
Applications

The Ousiometer
Correspondences
Nutshell

References



From pings to things:



“The Measurement of Meaning” by Osgood, Suci, and Tannenbaum (1957). ^[15]



Osgood et al. used semantic differentials  and factor analysis to identify a basis of three variables for meaning-space:



Evaluation: {bad $\Leftrightarrow$ good}



Potency: {weak $\Leftrightarrow$ strong}



Activity: {passive $\Leftrightarrow$ active}

THE SEMANTICITY OF THE SEMANTIC SPACE 67

Table 6
UNBUTTERED BUTTER (LOADED) AND COMMUNITIES (DOUGHERT TEST)

	I	II	III	IV	V	VI	VII	VIII	IX
1. pleasant-unpleasant	.58	-.25	-.30	.33	-.07	-.24	.13	-.50	.53
2. mental-physical	.24	.15	.24	.52	.14	.14	.26	.21	.23
3. smooth-rough	.22	.26	.22	.33	.08	-.24	.08	-.07	.48
4. soft-hard	.07	-.05	.20	.27	-.45	.53	.13	.13	.38
5. beautiful-ugly	.38	.46	.35	.37	-.34	-.35	.13	-.16	.58
6. soft-hard	.25	.14	.26	.26	.24	.14	.02	.04	.58
7. low-high	.22	-.46	-.26	.27	.39	-.35	.17	-.50	.50
8. powerful-weak	.45	-.40	-.32	-.36	-.38	.48	-.50	-.36	.36
9. slowly-fast	.20	.46	.26	.21	.15	.16	.20	-.24	.37
10. soft-hard	.10	.41	.27	.23	.07	-.29	.08	.11	.47
11. full-empty	.51	-.26	.26	-.08	-.11	-.08	.07	.04	.43
12. good-bad	.36	.39	.16	-.11	-.14	-.11	.18	-.11	.30
13. holding-releasing	.50	-.46	-.19	.49	.08	-.07	.08	.08	.50
14. mild-hot	.30	-.09	.27	.11	-.09	-.03	.37	-.09	.35
15. time-hurry	.32	.17	.48	-.14	.33	.35	.22	-.07	.46
16. calm-quiet	.18	-.22	-.08	.21	.21	.21	.32	-.02	.24
17. moving-stopping	.28	.08	.13	.17	-.37	.37	.31	.16	.27
18. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
19. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
20. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
21. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
22. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
23. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
24. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
25. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
26. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
27. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
28. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
29. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
30. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
31. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
32. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
33. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
34. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
35. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
36. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
37. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
38. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
39. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
40. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
41. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
42. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
43. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
44. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
45. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
46. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
47. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
48. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
49. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48
50. moving-stopping	.41	-.28	.05	.04	-.26	.27	.16	-.14	.48

The PoCVerse
Ousiometrics
11 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



THE MEASUREMENT OF MEANING

“The Measurement of Meaning”
by Osgood, Suci, and Tannenbaum (1957). ^[15]

by Osgood, Suci, and Tannenbaum (1957).^[15]

THE DEMONSTRABILITY OF THE SEMANTIC TRACE 27

Table 6
UNSATURATED CENTROID FACTOR LOADINGS AND COMMUNITIES (BOUGHNEN STUDY)

	I	II	III	IV	V	VI	VII	VIII	IX
1. pleasant-unpleasant	28	35	36	30	27	24	32	30	35
2. remote-near	24	16	24	32	29	11	34	28	35
3. soft-hard	24	32	32	27	27	27	27	27	27
4. self-reliance	30	30	27	27	45	53	10	13	28
5. calm-anxious	24	32	32	27	27	27	27	27	27
6. lively	20	14	36	20	33	29	34	33	33
7. cheerful	24	32	32	27	27	27	27	27	27
8. slowly-fast	28	35	36	30	27	24	32	30	35
9. easy	24	32	32	27	27	27	27	27	27
11. balance	31	28	35	32	31	30	28	31	31
12. simple-complex	31	28	35	32	31	30	28	31	31
13. reading-writing	30	48	10	48	10	48	10	48	10
14. calm-anxious	30	30	27	27	27	27	27	27	27
15. clear	33	17	44	33	33	5	32	47	33
16. simple-complex	31	28	35	32	31	30	28	31	31
17. planting-sowing	41	38	38	37	37	37	37	37	37
18. simple-complex	31	28	35	32	31	30	28	31	31
19. fast-slow	30	41	43	41	41	41	41	41	41
20. fast-slow	30	41	43	41	41	41	41	41	41
21. fast-slow	30	41	43	41	41	41	41	41	41
22. fast-slow	30	41	43	41	41	41	41	41	41
23. fast-slow	30	41	43	41	41	41	41	41	41
24. fast-slow	30	41	43	41	41	41	41	41	41
25. fast-slow	30	41	43	41	41	41	41	41	41
26. fast-slow	30	41	43	41	41	41	41	41	41
27. fast-slow	30	41	43	41	41	41	41	41	41
28. fast-slow	30	41	43	41	41	41	41	41	41
29. fast-slow	30	41	43	41	41	41	41	41	41
30. fast-slow	30	41	43	41	41	41	41	41	41
31. fast-slow	30	41	43	41	41	41	41	41	41
32. fast-slow	30	41	43	41	41	41	41	41	41
33. fast-slow	30	41	43	41	41	41	41	41	41
34. fast-slow	30	41	43	41	41	41	41	41	41
35. fast-slow	30	41	43	41	41	41	41	41	41
36. fast-slow	30	41	43	41	41	41	41	41	41
37. fast-slow	30	41	43	41	41	41	41	41	41
38. fast-slow	30	41	43	41	41	41	41	41	41
39. fast-slow	30	41	43	41	41	41	41	41	41
40. fast-slow	30	41	43	41	41	41	41	41	41
41. fast-slow	30	41	43	41	41	41	41	41	41
42. fast-slow	30	41	43	41	41	41	41	41	41
43. fast-slow	30	41	43	41	41	41	41	41	41
44. fast-slow	30	41	43	41	41	41	41	41	41
45. fast-slow	30	41	43	41	41	41	41	41	41
46. fast-slow	30	41	43	41	41	41	41	41	41
47. fast-slow	30	41	43	41	41	41	41	41	41
48. fast-slow	30	41	43	41	41	41	41	41	41
49. fast-slow	30	41	43	41	41	41	41	41	41
50. fast-slow	30	41	43	41	41	41	41	41	41
51. fast-slow	30	41	43	41	41	41	41	41	41
52. fast-slow	30	41	43	41	41	41	41	41	41



Osgood et al. used semantic differentials  and factor analysis to identify a basis of three variables for meaning-space:



Evaluation: {bad $\Leftrightarrow$ good}



Potency: {weak $\Leftrightarrow$ strong}



Activity: {passive $\Leftrightarrow$ active}



100s of students, 50 semantic
differentials,
10s of things.

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ouslometer

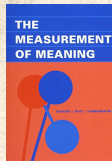
Correspondences

Nutshell

References



From pings to things:



“The Measurement of Meaning” by Osgood, Suci, and Tannenbaum (1957). ^[15]



Osgood et al. used semantic differentials  and factor analysis to identify a basis of three variables for meaning-space:



Evaluation: {bad $\Leftrightarrow$ good}



Potency: {weak $\Leftrightarrow$ strong}



Activity: {passive $\Leftrightarrow$ active}



100s of students, 50 semantic differentials,
10s of things.



“EPA framework”

The PoCVerse
Ousiometrics
11 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Semantic differentials from Osgood et al.: ^[15]

- | | | |
|------------------------|--------------------------|-------------------------|
| 1. pleasant-unpleasant | 18. large-small | |
| 2. repeated-varied | 19. clean-dirty | 36. colorful-colorless |
| 3. smooth-rough | 20. resting-busy | 37. hot-cold |
| 4. active-passive | 21. dull-sharp | 38. rich-thin |
| 5. beautiful-ugly | 22. deep-shallow | 39. obvious-subtle |
| 6. definite-uncertain | 23. gliding-scraping | 40. wide-narrow |
| 7. low-high | 24. familiar-strange | 41. deliberate-careless |
| 8. powerful-weak | 25. soft-hard | 42. happy-sad |
| 9. steady-fluttering | 26. heavy-light | 43. gentle-violent |
| 10. soft-loud | 27. wet-dry | 44. mild-intense |
| 11. full-empty | 28. safe-dangerous | 45. rounded-angular |
| 12. good-bad | 29. concentrated-diffuse | 46. slow-fast |
| 13. rumbling-whining | 30. pushing-pulling | 47. rugged-delicate |
| 14. solid-hollow | 31. labored-easy | 48. simple-complex |
| 15. clear-hazy | 32. dark-bright | 49. green-red |
| 16. calming-exciting | 33. even-uneven | 50. masculine-feminine |
| 17. pleasing-annoying | 34. loose-tight | |
| | 35. relaxed-tense | |

Outline

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References

The PoCSverse

Ousiometrics

14 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References

Definitions:



Ousiometrics: The quantitative study of the **essential meaningful components** of an entity, however perceived.



Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Definitions:



Ousiometrics: The quantitative study of the **essential meaningful components** of an entity, however perceived.



Used in philosophical and theological settings, the word 'ousia' comes from Ancient Greek οὐσία.

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References

Definitions:

 **Ousiometrics:** The quantitative study of the **essential meaningful components** of an entity, however perceived.

 Used in philosophical and theological settings, the word 'ousia' comes from Ancient Greek οὐσία.

 To be distinguished from semantics, semiotics, ...



Definitions:

 **Ousiometrics:** The quantitative study of the **essential meaningful components** of an entity, however perceived.

 Used in philosophical and theological settings, the word 'ousia' comes from Ancient Greek οὐσία.

 To be distinguished from semantics, semiotics, ...

 οὐσία is the etymological root of the word 'essence'.

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References

Definitions:

 **Ousiometrics:** The quantitative study of the **essential meaningful components** of an entity, however perceived.

 Used in philosophical and theological settings, the word ‘ousia’ comes from Ancient Greek οὐσία.

 To be distinguished from semantics, semiotics, ...

 οὐσία is the etymological root of the word ‘essence’.

 Ousiometry, ousiometer, ousiograms, ...¹



Definitions:

 **Ousiometrics:** The quantitative study of the **essential meaningful components** of an entity, however perceived.

 Used in philosophical and theological settings, the word ‘ousia’ comes from Ancient Greek οὐσία.

 To be distinguished from semantics, semiotics, ...

 οὐσία is the etymological root of the word ‘essence’.

 Ousiometry, ousiometer, ousiograms, ...¹

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



¹“Gretchen, stop trying to make fetch happen, it’s NOT going to happen!” —

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Definitions:

 **Ousiometrics:** The quantitative study of the **essential meaningful components** of an entity, however perceived.

 Used in philosophical and theological settings, the word ‘ousia’ comes from Ancient Greek οὐσία.

 To be distinguished from semantics, semiotics, ...

 οὐσία is the etymological root of the word ‘essence’.

 Ousiometry, ousiometer, ousiograms, ...¹

 **Telegnomics:** The distant sensing of knowledge (~ distant reading^[14])

¹“Gretchen, stop trying to make fetch happen, it’s NOT going to happen!” —

Side Main quest:



Meowsiometrics

The PoCVerse
Ousiometrics
16 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Seriously: Animal language. Why the slow roll?

Outline

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References

The PoCSverse

Ousiometrics

17 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Essential dimensions captured by emotion:



Late 1800s: Three dimensional representation of emotion postulated by Wundt. [25, 19]

The PoCVerse
Ousiometrics
18 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Essential dimensions captured by emotion:

 Late 1800s: Three dimensional representation of emotion postulated by Wundt. [25, 19]

 1970s: Mehrabian and Russell explicitly port EPA framework: [9, 10]

The PoCVerse
Ousiometrics
18 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Essential dimensions captured by emotion:

 Late 1800s: Three dimensional representation of emotion postulated by Wundt. [25, 19]

 1970s: Mehrabian and Russell explicitly port EPA framework: [9, 10]

 Evaluation $\sim$ Pleasure/Valence

 Potency $\sim$ Dominance

 Activity $\sim$ Arousal

The PoCVerse

Ousiometrics

18 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Essential dimensions captured by emotion:

 Late 1800s: Three dimensional representation of emotion postulated by Wundt. [25, 19]

 1970s: Mehrabian and Russell explicitly port EPA framework: [9, 10]

 Evaluation $\sim$ Pleasure/Valence ($\sim$ Happiness)

 Potency $\sim$ Dominance

 Activity $\sim$ Arousal

The PoCServe

Ousiometrics

18 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Essential dimensions captured by emotion:

 Late 1800s: Three dimensional representation of emotion postulated by Wundt. [25, 19]

 1970s: Mehrabian and Russell explicitly port EPA framework: [9, 10]

 Evaluation $\sim$ Pleasure/Valence ($\sim$ Happiness)

 Potency $\sim$ Dominance

 Activity $\sim$ Arousal

 VAD has become standard nomenclature even though emotion is less general than meaning.

The PoCverse
Ousiometrics
18 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Essential dimensions captured by emotion:

- ❏ Late 1800s: Three dimensional representation of emotion postulated by Wundt. [25, 19]
- ❏ 1970s: Mehrabian and Russell explicitly port EPA framework: [9, 10]
 - ❏ Evaluation $\sim$ Pleasure/Valence ($\sim$ Happiness)
 - ❏ Potency $\sim$ Dominance
 - ❏ Activity $\sim$ Arousal
- ❏ VAD has become standard nomenclature even though emotion is less general than meaning.
- ❏ Explicit presumption of independence of VAD dimensions, has hardened as fact.

The PoCverse
Ousiometrics
18 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Essential dimensions captured by emotion:

- 🧱 Late 1800s: Three dimensional representation of emotion postulated by Wundt. [25, 19]
- 🧱 1970s: Mehrabian and Russell explicitly port EPA framework: [9, 10]
 - 🧱 Evaluation $\sim$ Pleasure/Valence ($\sim$ Happiness)
 - 🧱 Potency $\sim$ Dominance
 - 🧱 Activity $\sim$ Arousal
- 🧱 VAD has become standard nomenclature even though emotion is less general than meaning.
- 🧱 Explicit presumption of independence of VAD dimensions, has hardened as fact.
- 🧱 Intention that $VAD \equiv EPA$ has become lost in literature. [2]

The PoCverse
Ousiometrics
18 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

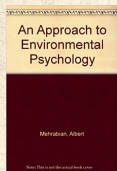
The Ousiometer

Correspondences

Nutshell

References





“An Approach to Environmental Psychology.”
by Mehrabian and Russell (1974).^[9]

“The basic emotional impact of environments” 
Mehrabian and Russell,
Perceptual and Motor Skills, **38**, 283–301, 1974. ^[10]

"Semantic differential studies, in particular, have shown that human judgments of diverse samples of stimuli can be characterized in terms of three dimensions: evaluation, activity, and potency. We have termed the corresponding emotional responses pleasure, arousal, and dominance."

Remeasuring meaning:

Confusion and Conflation:



“Pleasure, arousal, dominance: Mehrabian and Russell revisited”
Bakker et al.,
Current Psychology, **33**, 405–421, 2014. [2]



Test whether EPA and VAD match.



Explore historical problems of defining end point descriptors for meaning dimensions.

The PoCVerse
Ousiometrics
20 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Outline

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References

The PoCVerse

Ousiometrics

21 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Major problems with measuring essential meaning:

1. **Scale:** Originally 10s and 100s of words → now 10,000s + online rating.

The PoCVerse
Ousiometrics
22 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Major problems with measuring essential meaning:

1. **Scale:** Originally 10s and 100s of words → now 10,000s + online rating.
2. **The focus on types alone and not tokens:** Missing the forest for the book of tree species.

The PoCVerse
Ousiometrics
22 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



1. **Scale:** Originally 10s and 100s of words → now 10,000s + online rating.
2. **The focus on types alone and not tokens:** Missing the forest for the book of tree species.
3. **The use of Likert scales for semantic differentials:** Solid but can be improved upon.
4. **Limitations of factor analysis for a large number of categorical dimensions:** Ousiograms will help sort things out.

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ouslometer

Correspondences

Nutshell

References



Major problems with measuring essential meaning:

1. **Scale:** Originally 10s and 100s of words → now 10,000s + online rating.
2. **The focus on types alone and not tokens:** Missing the forest for the book of tree species.
3. **The use of Likert scales for semantic differentials:** Solid but can be improved upon.
4. **Limitations of factor analysis for a large number of categorical dimensions:** Ousiograms will help sort things out.
5. **The misalignment between expert-chosen, end-point descriptors and dimensions of essential meaning:** How to guide raters to score VAD dimensions?

The PoCVerse
Ousiometrics
22 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Major problems with measuring essential meaning:

1. **Scale:** Originally 10s and 100s of words → now 10,000s + online rating.
2. **The focus on types alone and not tokens:** Missing the forest for the book of tree species.
3. **The use of Likert scales for semantic differentials:** Solid but can be improved upon.
4. **Limitations of factor analysis for a large number of categorical dimensions:** Ousiograms will help sort things out.
5. **The misalignment between expert-chosen, end-point descriptors and dimensions of essential meaning:** How to guide raters to score VAD dimensions?
Solution is to always perform factor analysis (SVD).

The PoCverse
Ousiometrics
22 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

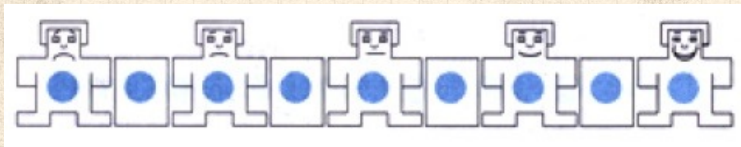
Nutshell

References

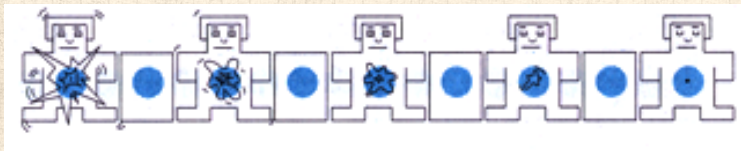


1999 ANEW study—three 1–9 scales: ^[4]

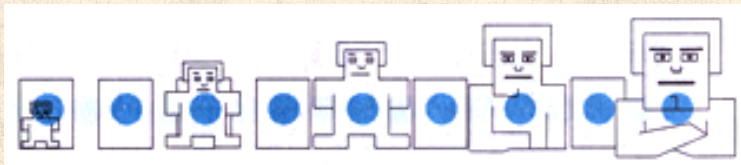
valence:



arousal:



dominance:



The PoCVerse
Ousiometrics
23 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



ANew study: Valence ~ Happiness:



Valence scale presented to participants as a ‘happy-unhappy scale.’

The PoCVerse

Ousiometrics

24 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



ANew study: Valence ~ Happiness:



Valence scale presented to participants as a ‘happy-unhappy scale.’



Participants were further told:

“At one extreme of this scale, you are happy, pleased, satisfied, contented, hopeful. ...

The PoCverse

Ousiometrics

24 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



ANew study: Valence ~ Happiness:



Valence scale presented to participants as a ‘happy-unhappy scale.’



Participants were further told:

“At one extreme of this scale, you are happy, pleased, satisfied, contented, hopeful. ...

The other end of the scale is when you feel completely unhappy, annoyed, unsatisfied, melancholic, despaired, or bored.”

The PoCserve

Ousiometrics

24 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



ANew study: Valence ~ Happiness:

Valence scale presented to participants as a 'happy-unhappy scale.'

Participants were further told:

"At one extreme of this scale, you are happy, pleased, satisfied, contented, hopeful. ...

The other end of the scale is when you feel completely unhappy, annoyed, unsatisfied, melancholic, despaired, or bored."

The Hedonometer was always about essential meaning.

The PoCserve

Ousiometrics

24 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousigrams

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



ANew study: Valence ~ Happiness:

Valence scale presented to participants as a ‘happy-unhappy scale.’

Participants were further told:

“At one extreme of this scale, you are happy, pleased, satisfied, contented, hopeful. ...

The other end of the scale is when you feel completely unhappy, annoyed, unsatisfied, melancholic, despaired, or bored.”

The Hedonometer was always about essential meaning.

We now know that ANew is a no-no:



ANew study: Valence ~ Happiness:

Valence scale presented to participants as a ‘happy-unhappy scale.’

Participants were further told:

“At one extreme of this scale, you are happy, pleased, satisfied, contented, hopeful. ...

The other end of the scale is when you feel completely unhappy, annoyed, unsatisfied, melancholic, despaired, or bored.”

The Hedonometer was always about essential meaning.

We now know that ANew is a no-no:

Problem: Expert-chosen list of ~ 1,000 words.

The PoCserve

Ousometrics

24 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousigrams

Extremousonyms

Dimension names

Safety bias

Applications

The Ousimeter

Correspondences

Nutshell

References



ANew study: Valence ~ Happiness:

Valence scale presented to participants as a ‘happy-unhappy scale.’

Participants were further told:

“At one extreme of this scale, you are happy, pleased, satisfied, contented, hopeful. ...

The other end of the scale is when you feel completely unhappy, annoyed, unsatisfied, melancholic, despaired, or bored.”

The Hedonometer was always about essential meaning.

We now know that ANew is a no-no:

Problem: Expert-chosen list of ~ 1,000 words.

Fine words but poorly cover real texts [18].



ANew study: Valence ~ Happiness:

Valence scale presented to participants as a 'happy-unhappy scale.'

Participants were further told:

"At one extreme of this scale, you are happy, pleased, satisfied, contented, hopeful. ...

The other end of the scale is when you feel completely unhappy, annoyed, unsatisfied, melancholic, despaired, or bored."

The Hedonometer was always about essential meaning.

We now know that ANew is a no-no:

Problem: Expert-chosen list of ~ 1,000 words.

Fine words but poorly cover real texts [18].

Wrongly suggests Arousal and Dominance are minimal relative to Valence.



LLMs encode semantic differentials:



“Semantic projection recovers rich human knowledge of multiple object features from word embeddings”

Grand et al.,

Nature Human Behaviour, **6**, 975–987, 2022. ^[6]

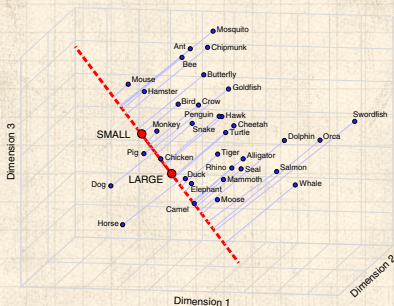


Fig. 1 | Schematic illustration of semantic projection. Word-vectors in the category ‘animals’ (blue circles) are orthogonally projected (light-blue lines) onto the feature subspace for ‘size’ (red line), defined as the vector difference between large and small (red circles). The three dimensions in this figure are arbitrary and were chosen via principal component analysis to enhance visualization (the original GloVe word embedding has 300 dimensions, and projection happens in that space). For an animated version of this figure, see Supplementary Video 1.

The PoCVerse
Ousiometrics
25 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremouslyonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Measuring essential meaning

History
Definitions
Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
Dimension names

Safety bias

Applications

The Ousiometer
Correspondences
Nutshell

References

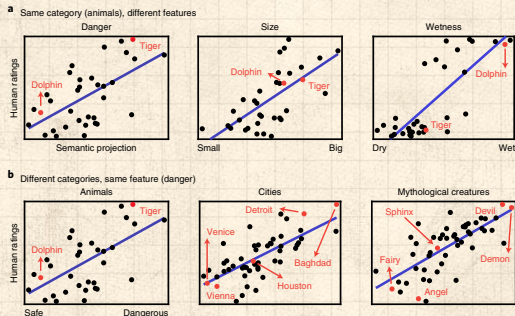


Fig. 2 | Semantic projection predicts human judgements: sample cases. a. Examples of three features for the same category (animals). Notice that the items—for instance, dolphin versus tiger—change their similarities to one another depending on context (feature), and semantic projection recovers these cross-feature differences. In other words, the model does not recover the same relationships across features. **b.** Examples of three categories for the same feature (danger). Sample items are highlighted in red for illustrative purposes. For descriptive and inferential statistics, see Table 1. Each panel is based on data from $n=25$ participants.



Measuring essential meaning

History
Definitions
Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
Dimension names

Safety bias

Applications

The Ousiometer
Correspondences
Nutshell

References



Fig. 4 | Semantic projection predicts human judgements: detailed results. For each of 52 category-feature pairs, scatterplots show the relationship between 2 scores of average item ratings across participants ($n=25$; y axis) and ratings predicted by semantic projection (x axis). Correlation and pairwise order consistency (OC_p) values are presented below each scatterplot. Experiments for which both of these measures were significant are shown over a white background. Straight lines are linear regression fits to the data and, across figures, vary according to correlation strength from black (weak) to blue (strong).

Remeasuring meaning:



“Obtaining reliable human ratings of valence, arousal, and dominance for 20,000 English words” 

Saif M. Mohammad,

Proceedings of The Annual Conference of the Association for Computational Linguistics (ACL), 6, 174-184, 2018. ^[12]

Moving beyond Likert scales:

The PoCverse
Ousiometrics
28 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Remeasuring meaning:



“Obtaining reliable human ratings of valence, arousal, and dominance for 20,000 English words” 

Saif M. Mohammad,

Proceedings of The Annual Conference of the Association for Computational Linguistics (ACL), 6, 174–184, 2018. ^[12]

Moving beyond Likert scales:



Best-worst scaling 

The PoCVerse
Ousiometrics
28 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Remeasuring meaning:



“Obtaining reliable human ratings of valence, arousal, and dominance for 20,000 English words” ↗

Saif M. Mohammad,

Proceedings of The Annual Conference of the Association for Computational Linguistics (ACL), 6, 174–184, 2018. ^[12]

Moving beyond Likert scales:



Best-worst scaling ↗



Ask raters to examine n things once, and choose the best and worst according to some criterion.

The PoCVerse
Ousiometrics
28 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Remeasuring meaning:



“Obtaining reliable human ratings of valence, arousal, and dominance for 20,000 English words” 

Saif M. Mohammad,

Proceedings of The Annual Conference of the Association for Computational Linguistics (ACL), 6, 174–184, 2018. ^[12]

Moving beyond Likert scales:

 Best-worst scaling 

 Ask raters to examine n things once, and choose the best and worst according to some criterion.

 For $n = 4$, there are 6 pair comparisons of Things.

The PoCVerse
Ousiometrics
28 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Remeasuring meaning:



“Obtaining reliable human ratings of valence, arousal, and dominance for 20,000 English words” 

Saif M. Mohammad,

Proceedings of The Annual Conference of the Association for Computational Linguistics (ACL), 6, 174–184, 2018. ^[12]

Moving beyond Likert scales:

-  Best-worst scaling 
-  Ask raters to examine n things once, and choose the best and worst according to some criterion.
-  For $n = 4$, there are 6 pair comparisons of Things.
-  Choosing best and worst gives 5 orderings: $\tau_1 > \tau_2, \tau_3 > \tau_4$.

The PoCVerse
Ousiometrics
28 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Remeasuring meaning:



“Obtaining reliable human ratings of valence, arousal, and dominance for 20,000 English words” 

Saif M. Mohammad,

Proceedings of The Annual Conference of the Association for Computational Linguistics (ACL), 6, 174–184, 2018. ^[12]

Moving beyond Likert scales:

-  Best-worst scaling 
-  Ask raters to examine n things once, and choose the best and worst according to some criterion.
-  For $n = 4$, there are 6 pair comparisons of Things.
-  Choosing best and worst gives 5 orderings: $\tau_1 > \tau_2, \tau_3 > \tau_4$.
-  Things end up with scores in $[0, 1]$.

The PoCVerse
Ousiometrics
28 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



NRC VAD Lexicon ^[12]

VAD endpoints:	Paradigm words and phrases presented to raters: ^[13]
highest valence	happiness, pleasure, positiveness, satisfaction, contentedness, hopefulness
lowest valence	unhappiness, annoyance, negativeness, dissatisfaction, melancholy, despair
highest arousal	arousal, activeness, stimulation, frenzy, jitteriness, alertness
lowest arousal	unarousal, passiveness, relaxation, calmness, sluggishness, dullness, sleepiness
highest dominance	dominant, in control of the situation, powerful, influential, important, autonomous
lowest dominance	submissive, controlled by outside factors, weak, influenced, cared-for, guided

Major problem 5: Imposing dimensions through clouds of endpoint descriptors.

NRC VAD study—20,006 words²:

Numbers in a boxology format:

The PoCVerse
Ousiometrics
30 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremouslyonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



²Original study had 20,007 words. We removed one.

NRC VAD study—20,006 words²:

Numbersinaboxology format:

 Scores stored in a $3 \times 20,006$ matrix **A**.

The PoCVerse
Ousiometrics
30 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



²Original study had 20,007 words. We removed one.

NRC VAD study—20,006 words²:

Numbersinaboxology format:

 Scores stored in a $3 \times 20,006$ matrix **A**.

 Rows are scores for **Va**, **Ar**, and **Dm**.

The PoCVerse

Ousiometrics

30 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



²Original study had 20,007 words. We removed one.

NRC VAD study—20,006 words²:

Numbersinaboxology format:

- 📦 Scores stored in a $3 \times 20,006$ matrix **A**.
- 📦 Rows are scores for **Va**, **Ar**, and **Dm**.
- 📦 Each column records VAD scores for a word, ordered alphabetically from ‘aaaaaaah’^[7] to ‘zucchini’.

The PoCVerse
Ousiometrics
30 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



²Original study had 20,007 words. We removed one.

NRC VAD study—20,006 words²:

Numbersinaboxology format:

- 🧱 Scores stored in a $3 \times 20,006$ matrix **A**.
- 🧱 Rows are scores for **Va**, **Ar**, and **Dm**.
- 🧱 Each column records VAD scores for a word, ordered alphabetically from ‘aaaaaaah’^[7] to ‘zucchini’.
- 🧱 For SVD, $\mathbf{A} = \mathbf{U}\mathbf{\Sigma}\mathbf{V}^T$, and we have:
 - 🧱 **A** is of rank 3,

The PoCverse
Ousiometrics
30 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



²Original study had 20,007 words. We removed one.

NRC VAD study—20,006 words²:

Numbersinaboxology format:

- 📦 Scores stored in a $3 \times 20,006$ matrix **A**.
- 📦 Rows are scores for **Va**, **Ar**, and **Dm**.
- 📦 Each column records VAD scores for a word, ordered alphabetically from ‘aaaaaaah’^[7] to ‘zucchini’.
- 📦 For SVD, $\mathbf{A} = \mathbf{U}\mathbf{\Sigma}\mathbf{V}^T$, and we have:
 - 📦 **A** is of rank 3,
 - 📦 **U** is 3×3 ,

The PoCVerse
Ousiometrics
30 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



²Original study had 20,007 words. We removed one.

NRC VAD study—20,006 words²:

Numbersinaboxology format:

-  Scores stored in a $3 \times 20,006$ matrix **A**.
-  Rows are scores for **Va**, **Ar**, and **Dm**.
-  Each column records VAD scores for a word, ordered alphabetically from ‘aaaaaaah’^[7] to ‘zucchini’.
-  For SVD, $\mathbf{A} = \mathbf{U}\mathbf{\Sigma}\mathbf{V}^T$, and we have:
 -  **A** is of rank 3,
 -  **U** is 3×3 ,
 -  **Σ** is $3 \times 20,006$ (the heart of **A**),
 -  **V** is $20,006 \times 20,006$
-  **U** and **V** transform bases and are orthogonal matrices

The PoCverse
Ousiometrics
30 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



²Original study had 20,007 words. We removed one.

NRC VAD study—20,006 words²:

Numbersinaboxology format:

- 📦 Scores stored in a $3 \times 20,006$ matrix **A**.
- 📦 Rows are scores for **Va**, **Ar**, and **Dm**.
- 📦 Each column records VAD scores for a word, ordered alphabetically from ‘aaaaaaah’^[7] to ‘zucchini’.
- 📦 For SVD, $\mathbf{A} = \mathbf{U}\mathbf{\Sigma}\mathbf{V}^T$, and we have:
 - 📦 **A** is of rank 3,
 - 📦 **U** is 3×3 ,
 - 📦 **Σ** is $3 \times 20,006$ (the heart of **A**),
 - 📦 **V** is $20,006 \times 20,006$
- 📦 **U** and **V** transform bases and are orthogonal matrices ($\mathbf{U}\mathbf{U}^T = \mathbf{U}^T\mathbf{U} = \mathbf{I}_3$ and $\mathbf{V}\mathbf{V}^T = \mathbf{V}^T\mathbf{V} = \mathbf{I}_{20,006}$)

The PoCVerse
Ousiometrics
30 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



²Original study had 20,007 words. We removed one.

NRC VAD study—20,006 words²:

Numbersinaboxology format:

-  Scores stored in a $3 \times 20,006$ matrix **A**.
-  Rows are scores for **Va**, **Ar**, and **Dm**.
-  Each column records VAD scores for a word, ordered alphabetically from ‘aaaaaaah’^[7] to ‘zucchini’.
-  For SVD, $\mathbf{A} = \mathbf{U}\mathbf{\Sigma}\mathbf{V}^T$, and we have:
 -  **A** is of rank 3,
 -  **U** is 3×3 ,
 -  **Σ** is $3 \times 20,006$ (the heart of **A**),
 -  **V** is $20,006 \times 20,006$
-  **U** and **V** transform bases and are orthogonal matrices ($\mathbf{U}\mathbf{U}^T = \mathbf{U}^T\mathbf{U} = \mathbf{I}_3$ and $\mathbf{V}\mathbf{V}^T = \mathbf{V}^T\mathbf{V} = \mathbf{I}_{20,006}$)
-  What we will use: σ_1, σ_2 , and σ_3 , and **U**.

The PoCVerse
Ousiometrics
30 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

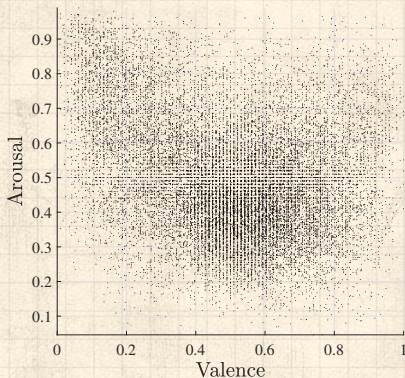
Nutshell

References



²Original study had 20,007 words. We removed one.

The Delicious English Muffin of Meaning:¹



```
cd ~/work/psychology/2021-01emotion-intensity/figures/.  
matlab  
figmeaning_VAD3d001_demo
```

The PoCServe
Ousiometrics
32 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



¹Apricot jam, always.

The Delicious English Muffin of Meaning:¹

The PoCServe
Ousiometrics
32 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

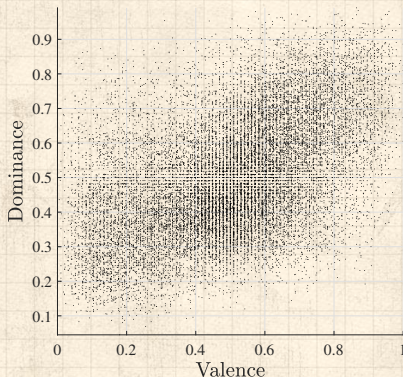
Applications

The Ousiometer

Correspondences

Nutshell

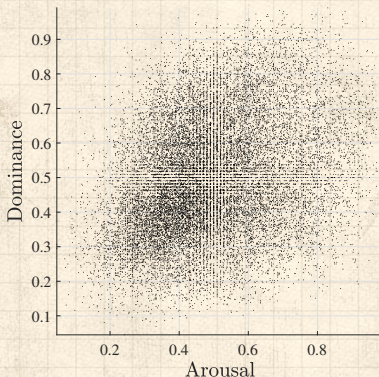
References



```
cd ~/work/psychology/2021-01emotion-intensity/figures/.  
matlab  
figmeaning_VAD3d001_demo
```

¹Apricot jam, always.

The Delicious English Muffin of Meaning:¹



```
cd ~/work/psychology/2021-01emotion-intensity/figures/.  
matlab  
figmeaning_VAD3d001_demo
```

The PoCVerse
Ousiometrics
32 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

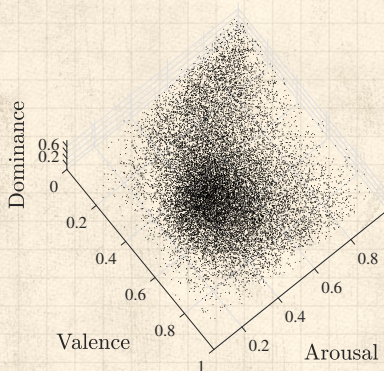
Nutshell

References



¹Apricot jam, always.

The Delicious English Muffin of Meaning:¹



```
cd ~/work/psychology/2021-01emotion-intensity/figures/.  
matlab  
figmeaning_VAD3d001_demo
```

The PoCVerse
Ousiometrics
32 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



¹Apricot jam, always.

The Delicious English Muffin of Meaning:¹

The PoCVerse
Ousiometrics
32 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

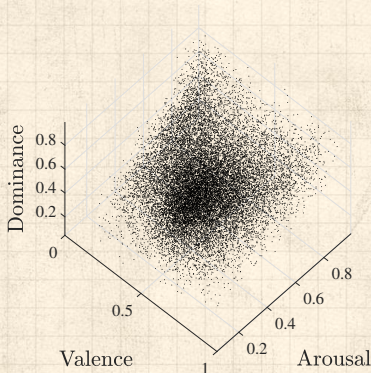
Applications

The Ousiometer

Correspondences

Nutshell

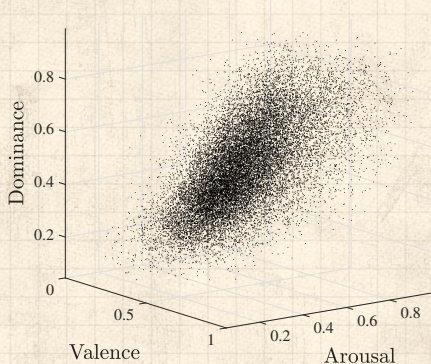
References



```
cd ~/work/psychology/2021-01emotion-intensity/figures/.  
matlab  
figmeaning_VAD3d001_demo
```

¹Apricot jam, always.

The Delicious English Muffin of Meaning:¹



```
cd ~/work/psychology/2021-01emotion-intensity/figures/.  
matlab  
figmeaning_VAD3d001_demo
```

The PoCVerse
Ousiometrics
32 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



¹Apricot jam, always.

$$R(\mathbf{Dm}, \mathbf{Va}) \simeq 0.488$$

The PoCVerse
Ousiometrics
33 of 129

Measuring essential
meaning

History
Definitions
Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

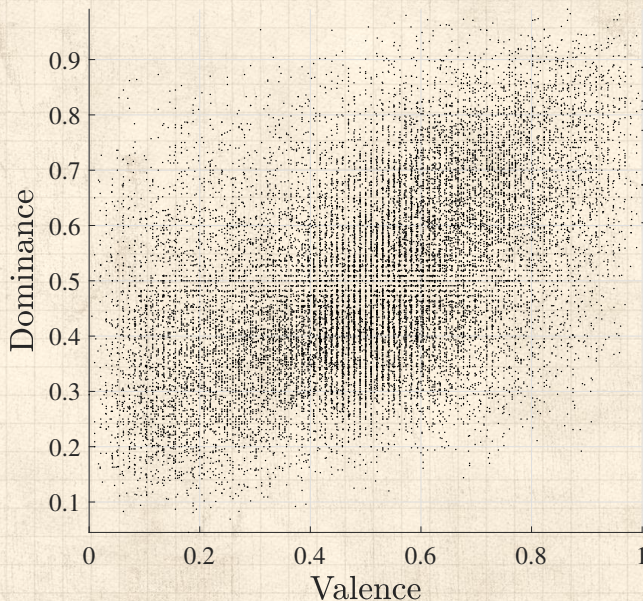
Extremousonyms
Dimension names

Safety bias

Applications

The Ousiometer
Correspondences
Nutshell

References



Release the Hounds by which we mean Singular Value Decomposition:

Variance explained:

The PoCServe
Ousiometrics
34 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Release the Hounds by which we mean Singular Value Decomposition:

Variance explained:

 VAD: 44.4%, 28.0%, and 27.6%.

The PoCServe
Ousiometrics
34 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Release the Hounds by which we mean Singular Value Decomposition:

Variance explained:

🧩 VAD: 44.4%, 28.0%, and 27.6%.

🧩 Apply SVD: $\mathbf{A} = \mathbf{U}\mathbf{\Sigma}\mathbf{V}^T$

🧩 Singular values: $\sigma_1 \simeq 34.1$, $\sigma_2 \simeq 27.2$, and $\sigma_3 \simeq 13.8$.

The PoCVerse
Ousiometrics
34 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Release the Hounds by which we mean Singular Value Decomposition:

Variance explained:

- 🧱 VAD: 44.4%, 28.0%, and 27.6%.
- 🧱 Apply SVD: $\mathbf{A} = \mathbf{U}\mathbf{\Sigma}\mathbf{V}^T$
- 🧱 Singular values: $\sigma_1 \simeq 34.1$, $\sigma_2 \simeq 27.2$, and $\sigma_3 \simeq 13.8$.
- 🧱 For what will be Goodness-Aggression-Structure (GAS): 55.6%, 35.3%, and 9.1%

The PoCVerse
Ousiometrics
34 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Release the Hounds by which we mean Singular Value Decomposition:

Variance explained:

- 🧱 VAD: 44.4%, 28.0%, and 27.6%.
- 🧱 Apply SVD: $\mathbf{A} = \mathbf{U}\mathbf{\Sigma}\mathbf{V}^T$
- 🧱 Singular values: $\sigma_1 \simeq 34.1$, $\sigma_2 \simeq 27.2$, and $\sigma_3 \simeq 13.8$.
- 🧱 For what will be Goodness-Aggression-Structure (GAS): 55.6%, 35.3%, and 9.1%
- 🧱 Rotate **Gd-Ag** plane by $-\pi/4$ for what will be Power-Danger-Structure (PDS): 45.5%, 45.5%, and 9.1%

The PoCVerse
Ousiometrics
34 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Release the Hounds by which we mean Singular Value Decomposition:

Variance explained:

- 🧱 VAD: 44.4%, 28.0%, and 27.6%.
- 🧱 Apply SVD: $\mathbf{A} = \mathbf{U}\mathbf{\Sigma}\mathbf{V}^T$
- 🧱 Singular values: $\sigma_1 \simeq 34.1$, $\sigma_2 \simeq 27.2$, and $\sigma_3 \simeq 13.8$.
- 🧱 For what will be Goodness-Aggression-Structure (GAS): 55.6%, 35.3%, and 9.1%
- 🧱 Rotate **Gd-Ag** plane by $-\pi/4$ for what will be Power-Danger-Structure (PDS): 45.5%, 45.5%, and 9.1%
- 🧱 Interpretability enhancements: Ousiograms.

The PoCVerse
Ousiometrics
34 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

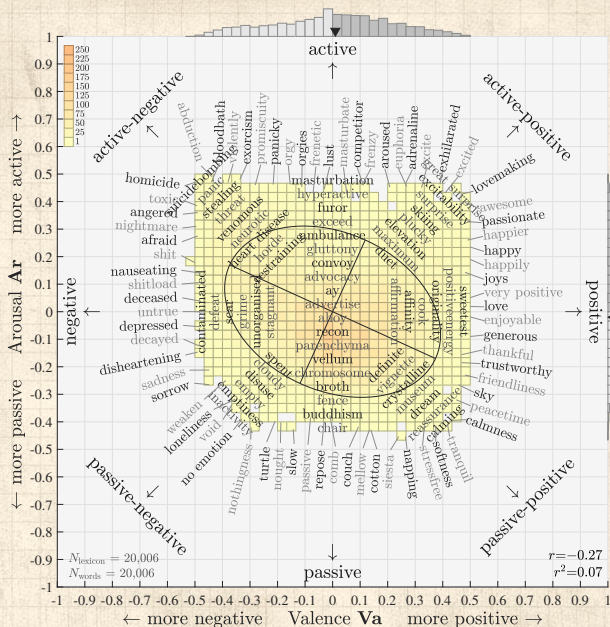
Correspondences

Nutshell

References



~ Valence-Arousal ousiogram for the NRC VAD lexicon ~



The PoCVerse

Ousiometrics

35 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

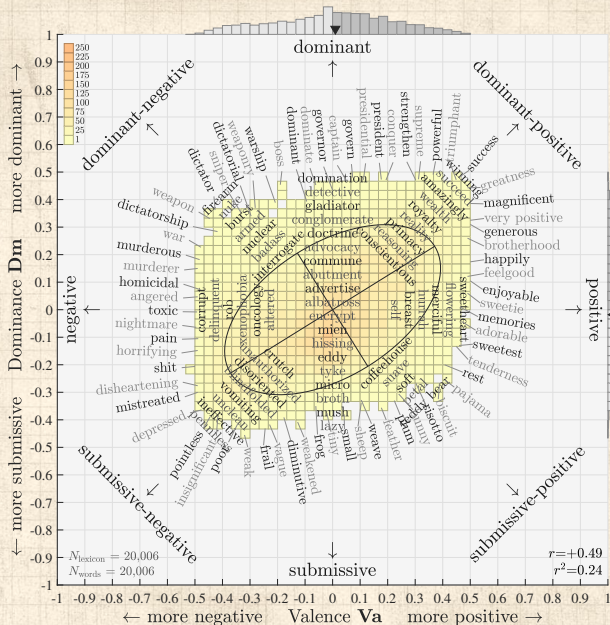
Correspondences

Nutshell

References



~ Valence-Dominance Ousiogram for the NRC VAD lexicon ~



The PoCVerse

Ousiometrics

36 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

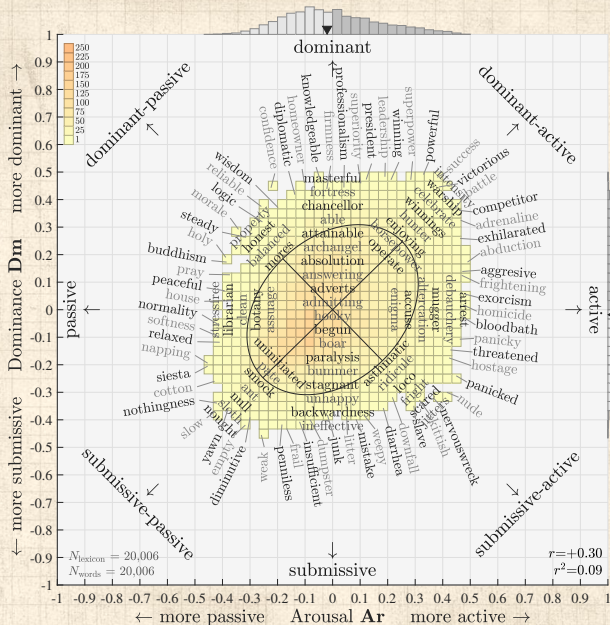
Correspondences

Nutshell

References



~ Arousal-Dominance Ousiogram for the NRC VAD lexicon ~



The PoCVerse

Ousiometrics

37 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

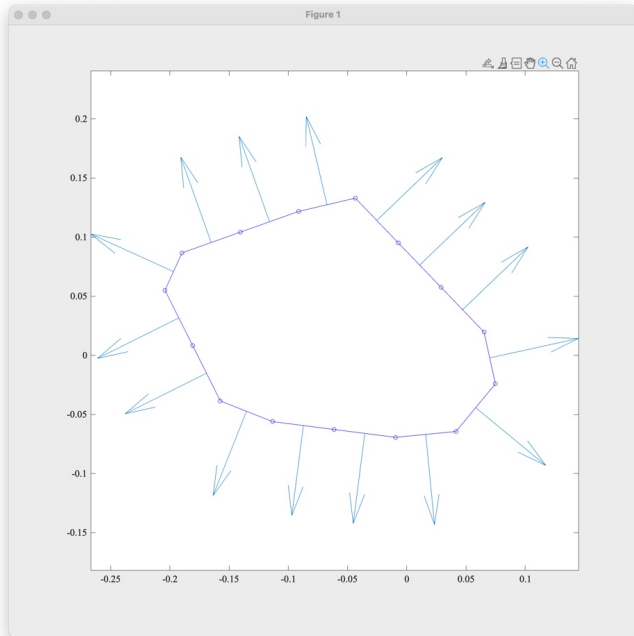
Correspondences

Nutshell

References



Building ousiograms:



The PoCVerse

Ousiometrics

38 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

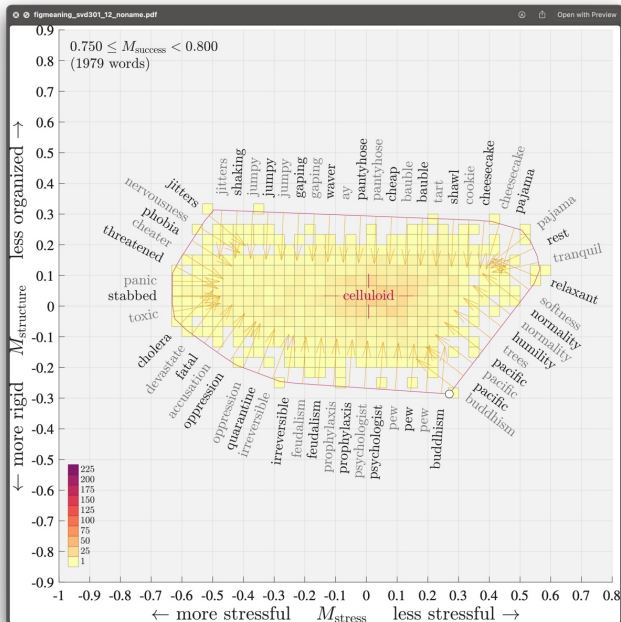
Correspondences

Nutshell

References



Building ousiograms:



The PoCVerse
Ousiometrics
39 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

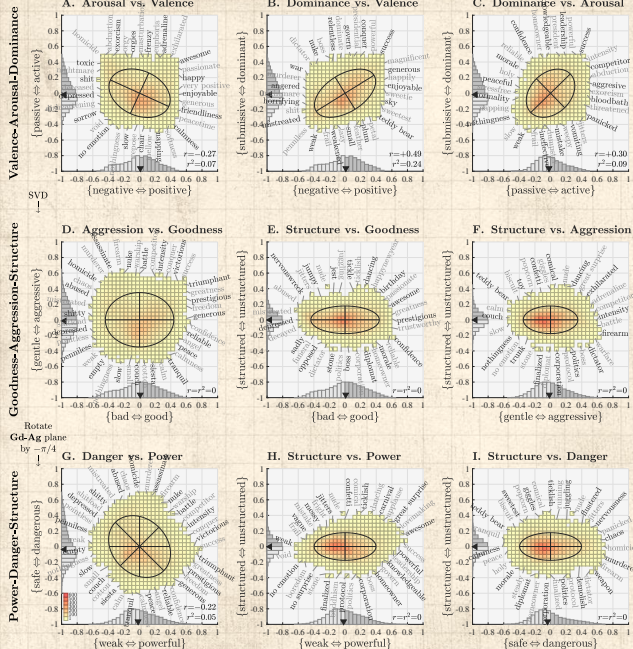
The Ousiometer

Correspondences

Nutshell

References





The PoCVerse
Ousiometrics

40 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremouslyisms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

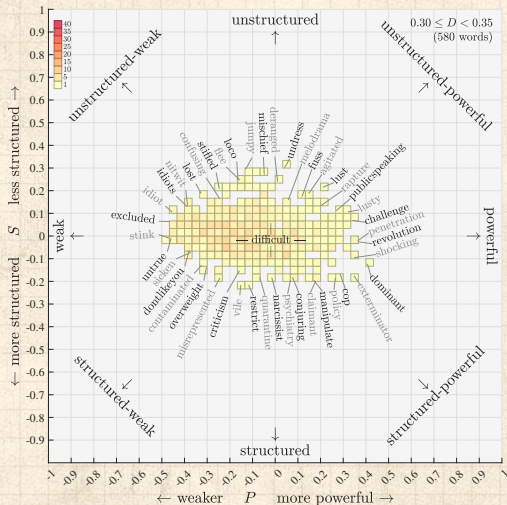
Nutshell

References





Ousiometric slices—MRIs of Meaning



Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

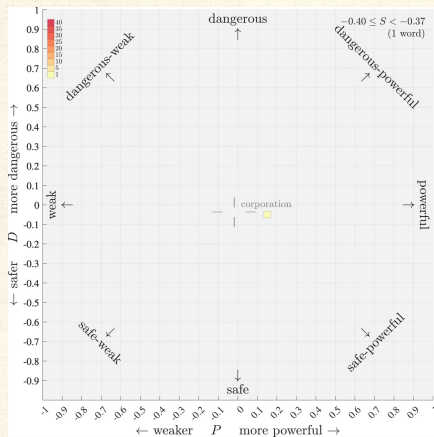
The Ousiometer

Correspondences

Nutshell

References

{powerful $\Leftrightarrow$ weak} vs {dangerous $\Leftrightarrow$ safe}  



Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

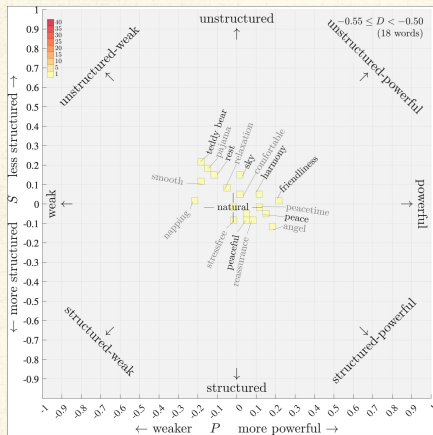
Applications

The Ousiometer

Correspondences

Nutshell

References

{powerful $\Leftrightarrow$ weak} vs {structured $\Leftrightarrow$ unstructured}

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

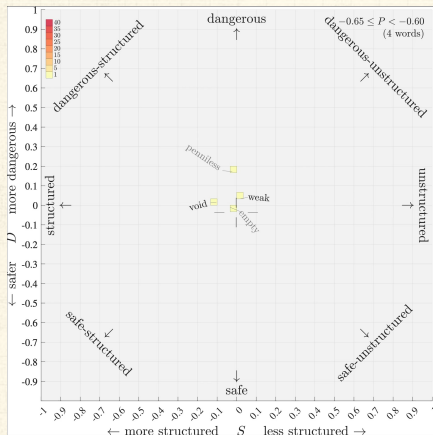
The Ousiometer

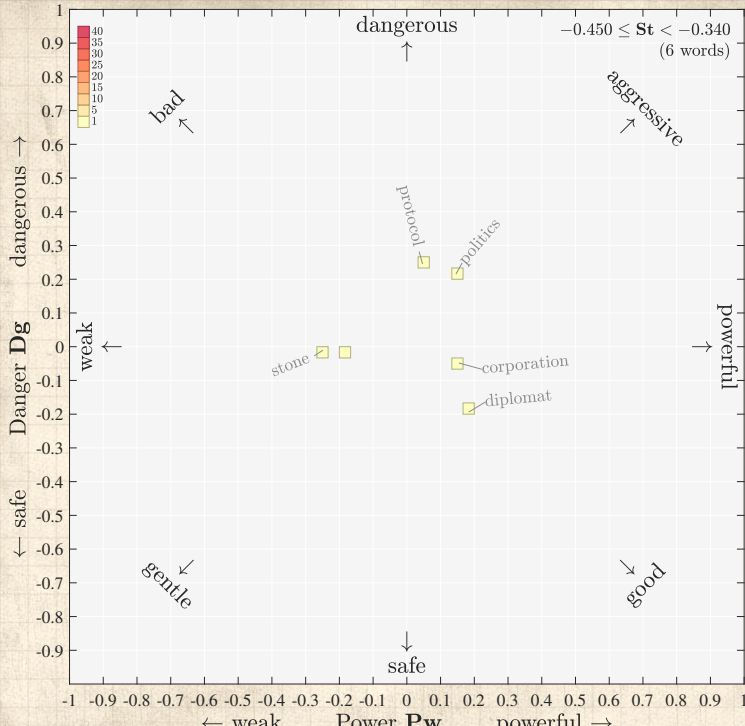
Correspondences

Nutshell

References

{dangerous $\Leftrightarrow$ safe} vs {structured $\Leftrightarrow$ unstructured}





The PoCVerse

Ousiometrics

46 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

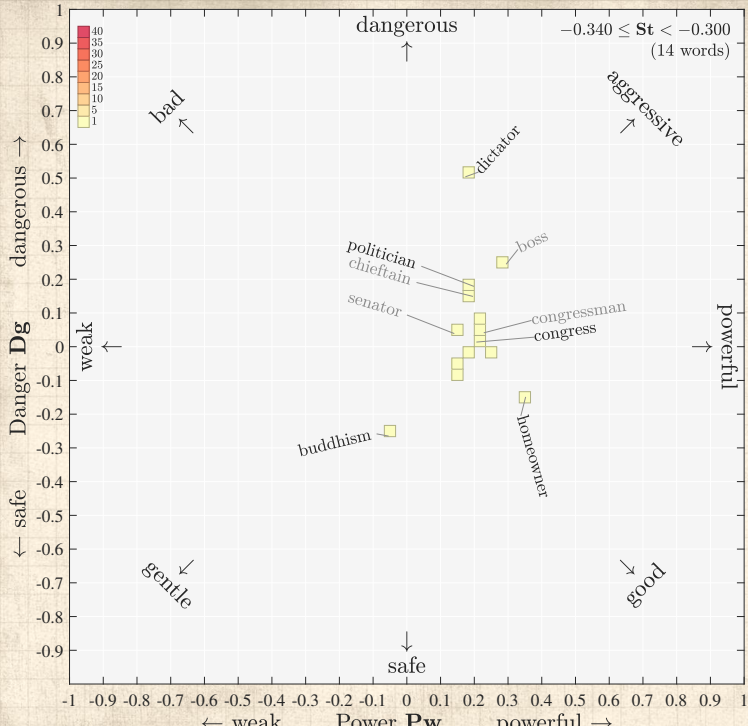
The Ousiometer

Correspondences

Nutshell

References





The PoCVerse

Ousiometrics

47 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

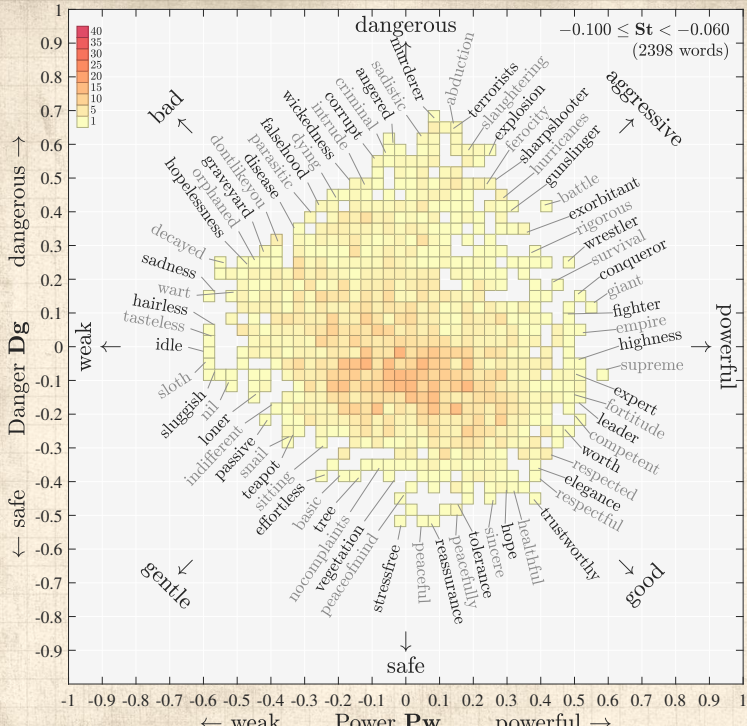
The Ousiometer

Correspondences

Nutshell

References





The PoCVerse

Ousiometrics

53 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

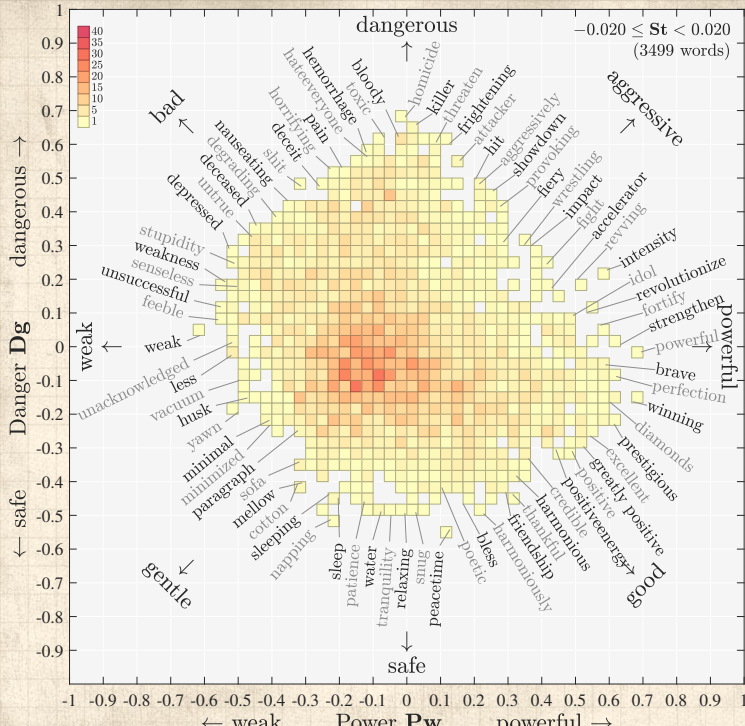
The Ousiometer

Correspondences

Nutshell

References





The PoCVerse

Ousiometrics

55 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

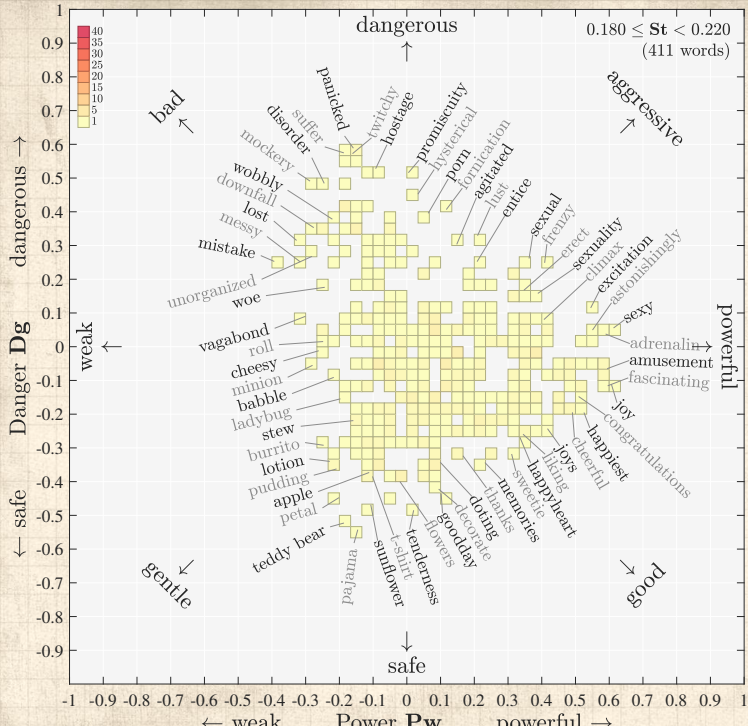
The Ousiometer

Correspondences

Nutshell

References





The PoCVerse

Ousiometrics

60 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremouslyonyms

Dimension names

Safety bias

Applications

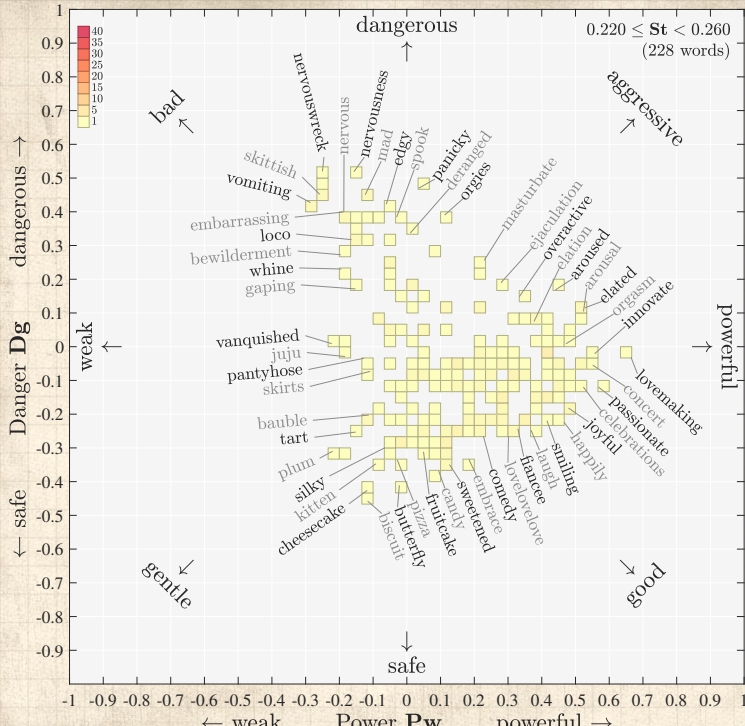
The Ousiometer

Correspondences

Nutshell

References





The PoCVerse

Ousiometrics

61 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

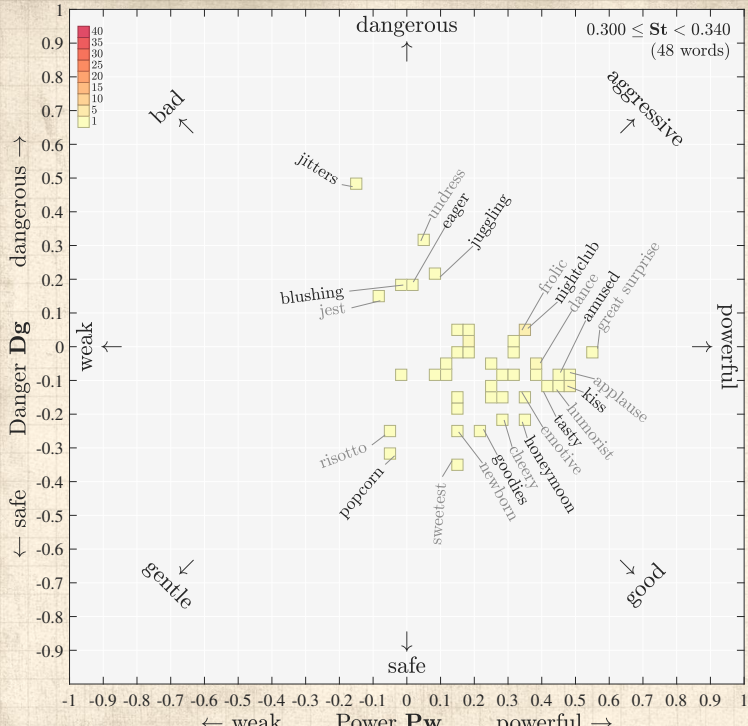
The Ousiometer

Correspondences

Nutshell

References





The PoCVerse

Ousiometrics

63 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremouslyonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Outline

Ousiograms

Extremousionyms

Dimension names

The PoCSverse

Ousiometrics

65 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousimeter

Correspondences

Nutshell

References



Extremonyms: Synousionyms and Antousionyms:

Safe-Powerful (Good) to Dangerous-Weak (Bad) axis:

Synousionyms	Valence	Arousal	Dominance	Goodness	Aggression	Structure	Power	Danger	Structure
Anchor: wisdom	0.430	-0.198	0.371	0.579	-0.031	-0.158	0.388	-0.432	-0.158
education	0.396	-0.225	0.340	0.539	-0.065	-0.167	0.336	-0.427	-0.167
healthy	0.438	-0.181	0.318	0.558	-0.047	-0.108	0.362	-0.428	-0.108
trustworthy	0.469	-0.185	0.324	0.589	-0.052	-0.100	0.379	-0.453	-0.100
reliable	0.412	-0.259	0.375	0.575	-0.076	-0.202	0.353	-0.460	-0.202
Antousionyms	Valence	Arousal	Dominance	Goodness	Aggression	Structure	Power	Danger	Structure
bullshit	-0.458	0.176	-0.317	-0.575	0.046	0.095	-0.373	0.439	0.095
shitty	-0.480	0.179	-0.337	-0.604	0.042	0.100	-0.397	0.456	0.100
nauseate	-0.438	0.160	-0.324	-0.558	0.026	0.101	-0.376	0.413	0.101
weeping	-0.418	0.188	-0.332	-0.549	0.042	0.131	-0.359	0.418	0.131
shame	-0.440	0.170	-0.345	-0.572	0.023	0.120	-0.388	0.421	0.120
diarrhea	-0.408	0.184	-0.357	-0.552	0.023	0.151	-0.374	0.407	0.151

Powerful (Aggressive-Good) to Weak (Gentle-Bad) axis:

Synousionyms	Valence	Arousal	Dominance	Goodness	Aggression	Structure	Power	Danger	Structure
Anchor: success	0.459	0.380	0.481	0.571	0.501	0.095	0.758	-0.050	0.095
almighty	0.438	0.374	0.458	0.543	0.487	0.098	0.728	-0.040	0.098
triumphant	0.449	0.337	0.472	0.565	0.462	0.073	0.726	-0.072	0.073
champion	0.390	0.380	0.445	0.494	0.492	0.087	0.698	-0.001	0.087
victorious	0.384	0.386	0.446	0.489	0.499	0.087	0.698	0.007	0.087
Antousionyms	Valence	Arousal	Dominance	Goodness	Aggression	Structure	Power	Danger	Structure
sorrow	-0.448	-0.265	-0.336	-0.509	-0.329	-0.127	-0.593	0.127	-0.127
tasteless	-0.354	-0.304	-0.352	-0.430	-0.385	-0.092	-0.576	0.032	-0.092
idle	-0.321	-0.333	-0.388	-0.414	-0.434	-0.068	-0.600	-0.014	-0.068
empty	-0.312	-0.317	-0.419	-0.424	-0.439	-0.033	-0.610	-0.011	-0.033
void	-0.365	-0.337	-0.370	-0.443	-0.420	-0.103	-0.611	0.016	-0.103

Extremonyms: Synousionyms and Antousionyms:

Dangerous-Powerful (Aggressive) to Safe-Weak (Gentle) axis:

Synousionyms	Valence	Arousal	Dominance	Goodness	Aggression	Structure	Power	Danger	Structure
Anchor: volcanic	-0.156	0.410	0.281	-0.061	0.515	-0.045	0.322	0.407	-0.045
shelling	-0.163	0.417	0.273	-0.072	0.518	-0.039	0.316	0.417	-0.039
artillery	-0.150	0.412	0.294	-0.050	0.523	-0.050	0.335	0.405	-0.050
wild	-0.188	0.422	0.250	-0.105	0.514	-0.032	0.289	0.438	-0.032
rifles	-0.163	0.364	0.265	-0.068	0.470	-0.062	0.284	0.380	-0.062
Antousionyms	Valence	Arousal	Dominance	Goodness	Aggression	Structure	Power	Danger	Structure
couch	0.094	-0.418	-0.302	-0.002	-0.524	0.025	-0.372	-0.369	0.025
mellow	0.133	-0.431	-0.235	0.066	-0.504	-0.009	-0.310	-0.403	-0.009
pillow	0.163	-0.372	-0.305	0.049	-0.498	0.085	-0.317	-0.387	0.085
tortoise	0.173	-0.422	-0.250	0.092	-0.511	0.025	-0.297	-0.427	0.025
quilt	0.143	-0.377	-0.274	0.048	-0.482	0.052	-0.307	-0.375	0.052
cotton	0.139	-0.429	-0.260	0.059	-0.517	0.012	-0.324	-0.407	0.012

Dangerous (Aggressive-Bad) to Safe (Gentle-Good) axis:

Synousionyms	Valence	Arousal	Dominance	Goodness	Aggression	Structure	Power	Danger	Structure
Anchor: homicide	-0.490	0.473	0.018	-0.485	0.478	0.011	-0.005	0.681	0.011
killer	-0.459	0.471	0.043	-0.446	0.485	0.008	0.028	0.658	0.008
psychopath	-0.460	0.443	0.036	-0.446	0.458	-0.003	0.009	0.640	-0.003
bloodshed	-0.452	0.442	0.025	-0.444	0.450	0.008	0.004	0.633	0.008
violate	-0.439	0.470	0.019	-0.440	0.468	0.033	0.020	0.642	0.033
Antousionyms	Valence	Arousal	Dominance	Goodness	Aggression	Structure	Power	Danger	Structure
natural	0.354	-0.382	-0.019	0.354	-0.382	-0.026	-0.020	-0.520	-0.026
tranquil	0.417	-0.406	-0.145	0.351	-0.480	0.078	-0.091	-0.588	0.078
softness	0.375	-0.414	-0.098	0.338	-0.455	0.021	-0.082	-0.561	0.021
serenity	0.400	-0.378	0.057	0.429	-0.345	-0.054	0.060	-0.547	-0.054
comfortable	0.427	-0.337	-0.027	0.406	-0.361	0.039	0.032	-0.542	0.039
calmness	0.434	-0.395	-0.106	0.383	-0.453	0.065	-0.049	-0.591	0.065

Outline

Ousiograms

Extremousonyms

Dimension names

Nutshell

The PoCSverse

Ousiometrics

68 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousimeter

Correspondences

Nutshell

References



Etymological, taxonomic, and nomenclatural madnesses:



Physics: Power was once sometimes called Activity

The PoCVerse

Ousiometrics

69 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremouslyonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Etymological, taxonomic, and nomenclatural madnesses:



Physics: Power was once sometimes called Activity



Danger ↗ and Dominance trace back to Dominus ↗
(~ lord/ruler/person of power)

The PoCverse

Ousiometrics

69 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremouslyonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Etymological, taxonomic, and nomenclatural madnesses:



Physics: Power was once sometimes called Activity



Danger ↗ and Dominance trace back to Dominus ↗
(~ lord/ruler/person of power)



Framing words for EPA, VAD, etc., matter greatly.

The PoCverse

Ousiometrics

69 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Etymological, taxonomic, and nomenclatural madnesses:

- Physics: Power was once sometimes called Activity
- Danger ↗ and Dominance trace back to Dominus ↗
(~ lord/ruler/person of power)
- Framing words for EPA, VAD, etc., matter greatly.

Other descriptors that don't hold up:

The PoCverse

Ousiometrics

69 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Etymological, taxonomic, and nomenclatural madnesses:

- Physics: Power was once sometimes called Activity
- Danger ↗ and Dominance trace back to Dominus ↗
(~ lord/ruler/person of power)
- Framing words for EPA, VAD, etc., matter greatly.

Other descriptors that don't hold up:

- Success-Stress-Structure.

The PoCserve

Ousiometrics

69 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Etymological, taxonomic, and nomenclatural madnesses:

- Physics: Power was once sometimes called Activity
- Danger and Dominance trace back to Dominus (~lord/ruler/person of power)
- Framing words for EPA, VAD, etc., matter greatly.

Other descriptors that don't hold up:

- Success-Stress-Structure.
- Energy/Flourishing/Thriving-Threat



Etymological, taxonomic, and nomenclatural madnesses:

- Physics: Power was once sometimes called Activity
- Danger ↗ and Dominance trace back to Dominus ↗
(~ lord/ruler/person of power)
- Framing words for EPA, VAD, etc., matter greatly.

Other descriptors that don't hold up:

- Success-Stress-Structure.
- Energy/Flourishing/Thriving-Threat
- Power-Order/Chaos-Gravity/Seriousness

The PoCServe

Ousiometrics

69 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Etymological, taxonomic, and nomenclatural madnesses:

- Physics: Power was once sometimes called Activity
- Danger ↗ and Dominance trace back to Dominus ↗
(~ lord/ruler/person of power)
- Framing words for EPA, VAD, etc., matter greatly.

Other descriptors that don't hold up:

- Success-Stress-Structure.
- Energy/Flourishing/Thriving-Threat
- Power-Order/Chaos-Gravity/Seriousness

After much staring at the ceiling:

The PoCverse

Ousiometrics

69 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Etymological, taxonomic, and nomenclatural madnesses:

- Physics: Power was once sometimes called Activity
- Danger ↗ and Dominance trace back to Dominus ↗
(~ lord/ruler/person of power)
- Framing words for EPA, VAD, etc., matter greatly.

Other descriptors that don't hold up:

- Success-Stress-Structure.
- Energy/Flourishing/Thriving-Threat
- Power-Order/Chaos-Gravity/Seriousness

After much staring at the ceiling:

- Goodness-Aggression-Structure (GAS) (okay)

The PoCVerse

Ousiometrics

69 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Etymological, taxonomic, and nomenclatural madnesses:

- Physics: Power was once sometimes called Activity
- Danger ↗ and Dominance trace back to Dominus ↗
(~ lord/ruler/person of power)
- Framing words for EPA, VAD, etc., matter greatly.

Other descriptors that don't hold up:

- Success-Stress-Structure.
- Energy/Flourishing/Thriving-Threat
- Power-Order/Chaos-Gravity/Seriousness

After much staring at the ceiling:

- Goodness-Aggression-Structure (GAS) (okay)
- Power-Danger-Structure (PDS) (also okay)

The PoCServe

Ousiometrics

69 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Connections between meaning dimensions:

$$\begin{bmatrix} \mathbf{Gd} \\ \mathbf{Ag} \\ \mathbf{St} \end{bmatrix} = \mathbf{U}^T \begin{bmatrix} \mathbf{Va} \\ \mathbf{Ar} \\ \mathbf{Dm} \end{bmatrix} \simeq \begin{bmatrix} +0.86 & -0.15 & +0.48 \\ -0.16 & +0.83 & +0.54 \\ +0.48 & +0.55 & -0.69 \end{bmatrix} \begin{bmatrix} \mathbf{Va} \\ \mathbf{Ar} \\ \mathbf{Dm} \end{bmatrix}$$

$$\begin{bmatrix} \mathbf{Pw} \\ \mathbf{Dg} \\ \mathbf{St} \end{bmatrix} = \mathbf{R}_{\pi/4} \begin{bmatrix} \mathbf{Gd} \\ \mathbf{Ag} \\ \mathbf{St} \end{bmatrix} = \frac{1}{\sqrt{2}} \begin{bmatrix} 1 & 1 & 0 \\ -1 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} \mathbf{Gd} \\ \mathbf{Ag} \\ \mathbf{St} \end{bmatrix}$$

$$\begin{bmatrix} \mathbf{Pw} \\ \mathbf{Dg} \\ \mathbf{St} \end{bmatrix} = \mathbf{R}_{\pi/4} \mathbf{U}^T \begin{bmatrix} \mathbf{Va} \\ \mathbf{Ar} \\ \mathbf{Dm} \end{bmatrix} \simeq \begin{bmatrix} +0.53 & +0.45 & +0.72 \\ -0.70 & +0.71 & +0.07 \\ +0.48 & +0.55 & -0.69 \end{bmatrix} \begin{bmatrix} \mathbf{Va} \\ \mathbf{Ar} \\ \mathbf{Dm} \end{bmatrix}$$

$$\begin{bmatrix} \mathbf{Va} \\ \mathbf{Ar} \\ \mathbf{Dm} \end{bmatrix} = \mathbf{U} \mathbf{R}_{-\pi/4} \begin{bmatrix} \mathbf{Pw} \\ \mathbf{Dg} \\ \mathbf{St} \end{bmatrix} \simeq \begin{bmatrix} +0.53 & -0.70 & +0.48 \\ +0.45 & +0.71 & +0.55 \\ +0.72 & +0.07 & -0.69 \end{bmatrix} \begin{bmatrix} \mathbf{Pw} \\ \mathbf{Dg} \\ \mathbf{St} \end{bmatrix}$$

Neutral Structure

The PoCverse

Ousiometrics

71 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



dangerous →

Danger **Dg**

← safe

bad dangerous weak	dangerous dangerous	aggressive dangerous powerful
weak weak	neutral neutral	powerful powerful
gentle safe weak	safe safe	good safe powerful

← weak

Power **Pw**

powerful →

Structured

The PoCSverse
Ousiometrics
72 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Danger Dg	dangerous →	corrupted structured dangerous weak	authoritarian structured dangerous	tyrannical structured dangerous powerful
		frozen structured weak	structured structured	commanding structured powerful
	← safe	routine structured safe weak	canonical structured safe	wise structured safe powerful
		Power Pw		
		← weak		powerful →

Unstructured

The PoCverse
Ousiometrics
73 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



dangerous →

Danger **Dg**

← safe



← weak

Power **Pw**

powerful →

Measuring essential meaning

History
Definitions
Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

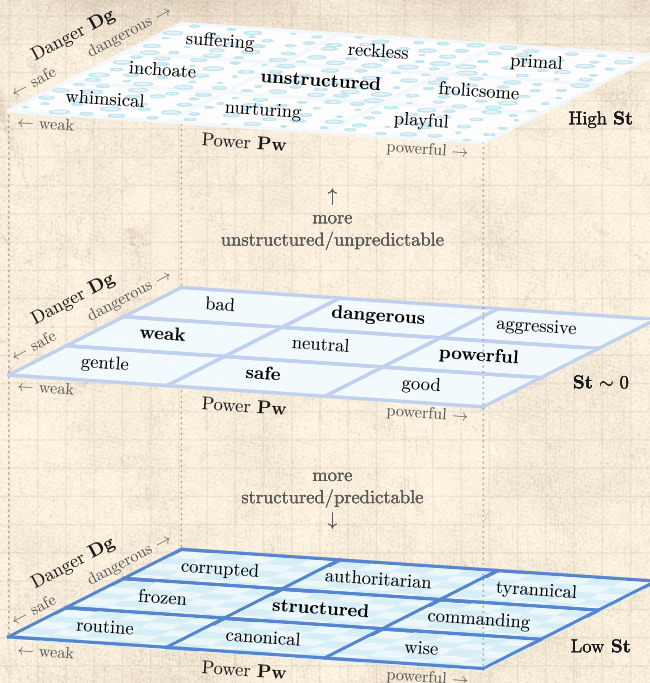
Extremousonyms
Dimension names

Safety bias

Applications

The Ousiometer
Correspondences
Nutshell

References



Measuring essential meaning

History
Definitions
Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

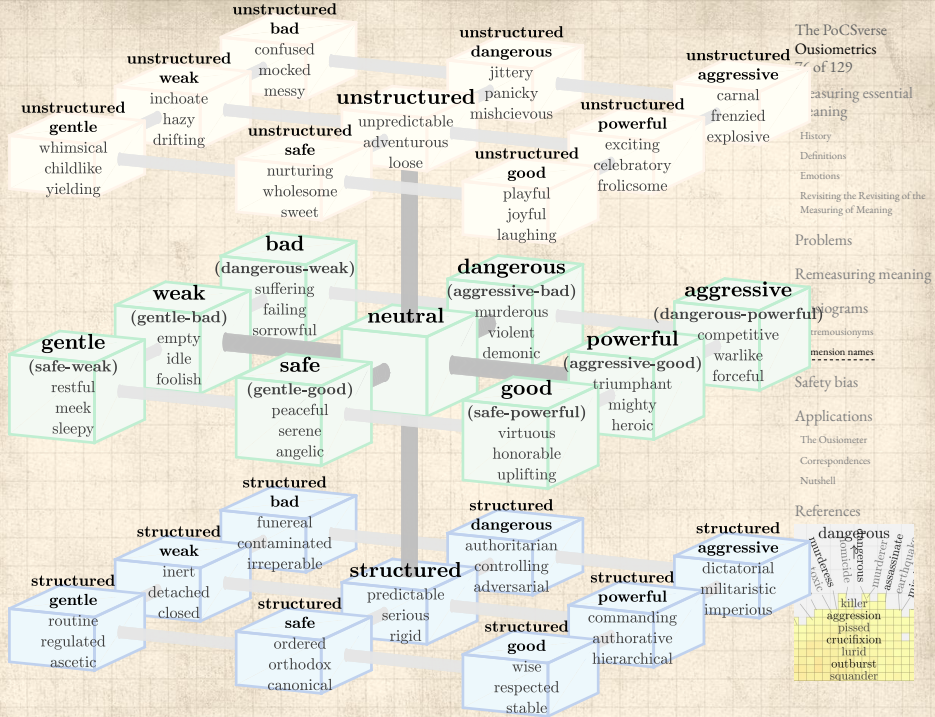
Safety bias

Applications

The Ousiometer
Correspondences
Nutshell

References





Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



safe

(gentle-good)
peaceful
serene
angelic



dangerous

(aggressive-bad)
murderous
violent
demonic

Word	Comp.	Size	Angle	Cos.	Pw	Dg	St
1. calmness	77.1	77.9	7.9	0.99	-0.05	-0.59	0.07
2. tranquil	76.7	78.3	11.6	0.98	-0.09	-0.59	0.08
3. relaxant	73.7	75.5	12.5	0.98	-0.11	-0.56	0.05
4. softness	73.2	74.1	8.6	0.99	-0.08	-0.56	0.02
5. calming	72.7	74.3	12.0	0.98	-0.10	-0.56	0.07
6. relaxed	72.0	73.3	10.8	0.98	-0.10	-0.55	0.03
7. peace	71.8	74.3	14.9	0.97	0.14	-0.55	-0.06
8. serenity	71.5	72.3	8.4	0.99	0.06	-0.55	-0.05
9. comfortable	70.8	71.1	5.3	1.00	0.03	-0.54	0.04
10. peacetime	70.8	72.7	13.3	0.97	0.13	-0.54	-0.01
11. peaceful	69.6	70.7	10.3	0.98	0.05	-0.53	-0.09
12. stressfree	69.1	70.1	9.7	0.99	-0.01	-0.53	-0.09
13. reassurance	68.5	70.1	12.5	0.98	0.08	-0.52	-0.09
14. natural	67.9	68.1	3.6	1.00	-0.02	-0.52	-0.03
15. sky	67.8	70.4	15.6	0.96	0.03	-0.52	0.14
16. harmony	66.7	68.4	13.0	0.97	0.10	-0.51	0.06
17. relaxation	66.4	67.6	10.9	0.98	-0.06	-0.51	0.08
18. tranquility	65.3	65.6	5.4	1.00	-0.05	-0.50	0.00
19. relaxing	64.4	64.5	0.7	1.00	-0.01	-0.49	-0.00
20. teatime	64.4	66.9	15.9	0.96	-0.11	-0.49	0.09

Word	Comp.	Size	Angle	Cos.	Pw	Dg	St
1. homicide	89.0	89.0	179.0	-1.00	-0.01	0.68	0.01
2. murderer	88.5	89.9	169.9	-0.98	0.08	0.68	-0.09
3. abduction	86.5	88.8	166.9	-0.97	0.14	0.66	-0.06
4. murderous	86.3	88.6	166.8	-0.97	0.10	0.66	-0.12
5. suicidebombing	86.2	87.1	171.5	-0.99	0.08	0.66	-0.06
6. killer	86.0	86.1	177.5	-1.00	0.03	0.66	0.01
7. dangerous	85.9	87.6	168.8	-0.98	0.09	0.66	-0.10
8. assassinate	85.9	89.6	163.4	-0.96	0.16	0.66	-0.11
9. terrorist	85.1	87.4	166.8	-0.97	0.10	0.65	-0.12
10. gunfight	85.0	88.0	165.1	-0.97	0.14	0.65	-0.10
11. gunshot	85.0	87.1	167.4	-0.98	0.11	0.65	-0.09
12. terrorism	84.9	87.2	167.0	-0.97	0.13	0.65	-0.07
13. aggressive	84.8	86.2	169.8	-0.98	0.11	0.65	-0.05
14. terrorists	84.5	87.1	165.7	-0.97	0.14	0.65	-0.08
15. tsunami	84.3	86.7	166.4	-0.97	0.12	0.65	-0.10
16. violate	83.9	84.0	176.6	-1.00	0.02	0.64	0.03
17. bloodbath	83.8	84.2	174.2	-0.99	-0.01	0.64	0.06
18. slaughter	83.7	84.3	173.2	-0.99	0.07	0.64	-0.04
19. psychopath	83.5	83.5	179.2	-1.00	0.01	0.64	-0.00
20. hell	83.3	83.6	175.8	-1.00	0.01	0.64	-0.05

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

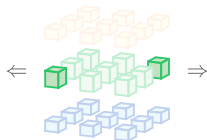
Nutshell

References



gentle

(safe-weak)
restful
meek
sleepy



aggressive

(dangerous-powerful)
competitive
warlike
forceful

Word	Comp.	Size	Angle	Cos.	Pw	Dg	St
1. couch	68.4	68.5	2.8	1.00	-0.37	-0.37	0.03
2. cotton	67.5	68.0	6.6	0.99	-0.32	-0.41	0.01
3. tortoise	66.8	67.9	10.6	0.98	-0.30	-0.43	0.03
4. mellow	65.9	66.4	7.5	0.99	-0.31	-0.40	-0.01
5. pasture	65.5	67.9	15.2	0.97	-0.31	-0.39	0.12
6. pillow	65.1	66.3	11.2	0.98	-0.32	-0.39	0.09
7. lawn	63.1	65.3	15.0	0.97	-0.30	-0.39	0.11
8. quilt	63.0	63.7	8.3	0.99	-0.31	-0.37	0.05
9. chair	62.2	62.5	5.3	1.00	-0.33	-0.34	-0.04
10. sleeping	61.6	64.5	17.3	0.95	-0.23	-0.44	0.00
11. asleep	61.6	61.8	4.8	1.00	-0.31	-0.36	-0.01
12. sofa	61.0	61.0	2.5	1.00	-0.32	-0.34	-0.01
13. sleepy	60.3	60.4	3.8	1.00	-0.31	-0.34	0.02
14. meek	59.7	60.5	9.2	0.99	-0.37	-0.28	0.03
15. subtle	59.5	62.4	17.6	0.95	-0.25	-0.39	0.11
16. minimized	58.9	61.1	15.4	0.96	-0.41	-0.23	-0.02
17. pear	58.9	60.6	13.7	0.97	-0.26	-0.37	0.08
18. napkin	58.5	60.4	14.3	0.97	-0.40	-0.24	-0.01
19. teacup	57.9	58.5	8.3	0.99	-0.27	-0.36	0.02
20. sheep	57.9	60.2	16.0	0.96	-0.33	-0.29	0.12

Word	Comp.	Size	Angle	Cos.	Pw	Dg	St
1. battle	76.8	77.4	172.7	-0.99	0.41	0.42	-0.08
2. warship	73.9	76.9	163.9	-0.96	0.36	0.44	-0.15
3. firepower	72.1	72.3	175.7	-1.00	0.37	0.41	-0.03
4. counterattack	71.8	74.0	166.1	-0.97	0.30	0.48	-0.04
5. bang	70.5	73.4	163.7	-0.96	0.27	0.49	-0.03
6. warrior	69.4	72.2	163.9	-0.96	0.45	0.30	-0.11
7. artillery	68.3	68.9	172.4	-0.99	0.33	0.41	-0.05
8. dominant	67.9	70.1	165.5	-0.97	0.41	0.33	-0.12
9. tornado	67.8	70.9	162.8	-0.96	0.28	0.46	-0.09
10. shelling	67.6	68.5	171.1	-0.99	0.32	0.42	-0.04
11. hurricanes	67.4	69.7	165.4	-0.97	0.29	0.44	-0.08
12. volcanic	67.3	68.0	171.7	-0.99	0.32	0.41	-0.04
13. wild	67.1	68.6	167.9	-0.98	0.29	0.44	-0.03
14. showdown	66.2	68.9	163.8	-0.96	0.26	0.46	0.02
15. revolution	66.1	66.2	176.8	-1.00	0.37	0.35	-0.03
16. gunslinger	66.0	67.8	166.8	-0.97	0.31	0.40	-0.10
17. fighting	65.8	68.1	165.4	-0.97	0.29	0.43	-0.08
18. explode	65.4	68.2	163.8	-0.96	0.27	0.44	-0.08
19. overbearing	65.1	68.2	162.8	-0.96	0.33	0.37	-0.15
20. combat	65.0	67.8	163.3	-0.96	0.31	0.40	-0.14

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



weak

(gentle-bad)
empty
idle
foolish

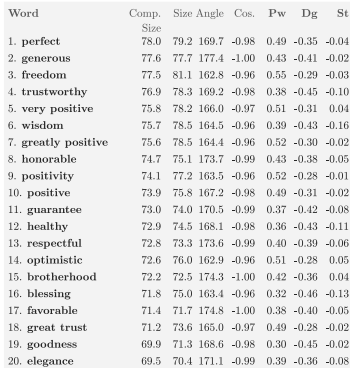


powerful

(aggressive-good)
triumphant
mighty
heroic

Word	Comp. Size	Size	Angle	Cos.	Pw	Dg	St
1. weak	80.0	80.2	3.6	1.00	-0.61	0.03	0.02
2. void	79.7	80.9	9.7	0.99	-0.61	0.02	-0.10
3. empty	79.7	79.8	3.3	1.00	-0.61	-0.01	-0.03
4. penniless	79.4	82.6	15.9	0.96	-0.61	0.17	-0.02
5. idle	78.3	78.9	6.6	0.99	-0.60	-0.01	-0.07
6. sloth	77.6	78.5	9.0	0.99	-0.59	-0.05	-0.08
7. nothingness	77.5	80.4	15.4	0.96	-0.59	-0.09	-0.14
8. sorrow	77.4	80.9	16.9	0.96	-0.59	0.13	-0.13
9. insignificant	75.7	78.4	15.1	0.97	-0.58	0.15	-0.04
10. hopeless	75.7	78.0	13.8	0.97	-0.58	0.14	-0.04
11. tasteless	75.3	76.3	9.6	0.99	-0.58	0.03	-0.09
12. absent	74.7	75.0	4.9	1.00	-0.57	0.03	-0.04
13. hairless	74.3	75.4	9.5	0.99	-0.57	0.07	-0.07
14. sluggish	74.0	75.8	12.3	0.98	-0.57	-0.07	-0.10
15. nought	73.6	76.7	16.2	0.96	-0.56	-0.16	-0.04
16. dull	73.4	75.9	14.6	0.97	-0.56	-0.05	-0.14
17. unhelpful	73.1	75.6	14.8	0.97	-0.56	0.15	-0.02
18. boring	73.0	73.2	4.4	1.00	-0.56	0.01	-0.04
19. feeble	73.0	73.8	8.3	0.99	-0.56	0.08	-0.01
20. bored	72.1	74.3	14.1	0.97	-0.55	0.01	-0.14

Word	Comp. Size	Size	Angle	Cos.	Pw	Dg	St
1. success	99.0	100.0	171.9	-0.99	0.76	-0.05	0.10
2. almighty	95.1	96.1	171.7	-0.99	0.73	-0.04	0.10
3. triumphant	94.8	95.8	171.9	-0.99	0.73	-0.07	0.07
4. awesome	92.9	96.0	165.4	-0.97	0.71	-0.06	0.18
5. victorious	91.2	91.9	172.9	-0.99	0.70	0.01	0.09
6. champion	91.1	91.8	172.9	-0.99	0.70	-0.00	0.09
7. powerful	90.7	90.8	178.1	-1.00	0.69	-0.02	0.02
8. triumph	89.3	91.4	167.7	-0.98	0.68	-0.12	0.09
9. greatness	89.3	92.2	165.6	-0.97	0.68	-0.16	0.07
10. superman	87.8	89.4	169.3	-0.98	0.67	-0.10	0.08
11. winning	87.4	90.0	166.3	-0.97	0.67	-0.16	0.01
12. richness	86.4	87.2	172.3	-0.99	0.66	-0.04	0.08
13. breathtaking	86.4	87.8	169.4	-0.98	0.66	-0.10	0.08
14. winner	85.7	88.2	166.3	-0.97	0.66	-0.10	0.12
15. mighty	85.3	85.6	175.3	-1.00	0.65	-0.01	0.05
16. invincible	85.0	85.7	172.7	-0.99	0.65	-0.00	0.08
17. celebration	84.7	86.8	167.2	-0.98	0.65	-0.08	0.12
18. successful	84.6	87.0	166.5	-0.97	0.65	-0.15	0.04
19. victory	83.9	85.9	167.5	-0.98	0.64	-0.14	0.04
20. succeed	83.9	85.4	169.0	-0.98	0.64	-0.11	0.05



Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



structured safe

(structured-gentle-good)

**ordered
orthodox
canonical**



unstructured dangerous

(unstructured-aggressive-bad)

**jittery
panicky
mischievous**

Word	Comp.	Size	Angle	Cos.	Pw	Dg	St
1. buddhism	54.4	55.1	9.3	0.99	-0.05	-0.27	-0.32
2. bishop	51.5	52.1	8.5	0.99	0.06	-0.28	-0.28
3. pacific	51.2	53.6	17.3	0.95	-0.06	-0.35	-0.20
4. poise	50.4	52.8	17.4	0.95	0.10	-0.32	-0.22
5. conservatory	46.3	48.5	17.4	0.95	0.11	-0.27	-0.23
6. alphabet	45.4	45.4	2.5	1.00	0.01	-0.24	-0.25
7. marble	45.1	45.5	7.7	0.99	0.03	-0.27	-0.22
8. statue	44.7	46.5	16.4	0.96	-0.09	-0.27	-0.22
9. commonly	44.4	46.2	16.2	0.96	-0.05	-0.30	-0.18
10. headline	43.5	44.9	14.4	0.97	0.07	-0.26	-0.21
11. full	42.4	43.7	14.1	0.97	0.08	-0.23	-0.23
12. document	41.7	42.2	8.5	0.99	0.04	-0.24	-0.21
13. sector	41.6	43.2	16.1	0.96	-0.05	-0.28	-0.17
14. documentary	41.2	42.6	14.8	0.97	-0.01	-0.28	-0.16
15. senor	40.6	40.8	5.8	0.99	-0.03	-0.21	-0.23
16. uniform	39.9	40.0	4.8	1.00	0.03	-0.22	-0.21
17. therapeutic	39.2	41.0	17.1	0.96	0.08	-0.24	-0.19
18. habit	39.1	40.9	16.8	0.96	-0.01	-0.28	-0.15
19. storeroom	38.8	39.5	10.3	0.98	-0.04	-0.23	-0.19
20. unitary	38.8	38.9	4.1	1.00	-0.01	-0.20	-0.22

Word	Comp.	Size	Angle	Cos.	Pw	Dg	St
1. nude	65.4	66.9	167.9	-0.98	-0.02	0.28	0.43
2. flustered	63.0	64.4	168.1	-0.98	-0.06	0.40	0.28
3. edgy	61.6	64.2	163.5	-0.96	-0.06	0.42	0.24
4. naked	60.5	61.9	168.0	-0.98	-0.06	0.38	0.27
5. jittery	58.7	60.0	168.1	-0.98	-0.09	0.35	0.29
6. spook	58.7	60.1	167.6	-0.98	-0.03	0.38	0.25
7. madder	58.1	59.9	166.1	-0.97	-0.09	0.36	0.27
8. bonkers	57.2	59.5	164.1	-0.96	-0.09	0.37	0.25
9. undress	56.8	57.0	174.4	-1.00	0.04	0.31	0.30
10. jumpy	55.6	58.2	162.9	-0.96	-0.13	0.31	0.29
11. deranged	53.3	54.1	170.3	-0.99	0.01	0.34	0.24
12. mischief	53.1	53.6	172.4	-0.99	-0.05	0.30	0.27
13. intrigue	51.1	51.9	169.7	-0.98	-0.04	0.32	0.23
14. naughty	49.5	50.0	171.9	-0.99	0.05	0.28	0.26
15. evacuate	47.7	49.1	166.3	-0.97	-0.07	0.30	0.22
16. anal	47.7	49.6	163.8	-0.96	-0.06	0.32	0.20
17. gambling	47.1	48.0	168.4	-0.98	-0.03	0.30	0.21
18. nudity	46.7	48.1	166.1	-0.97	0.08	0.28	0.22
19. eager	46.7	48.1	166.1	-0.97	0.02	0.19	0.31
20. sarcastic	46.4	47.2	169.7	-0.98	-0.06	0.26	0.24

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



structured gentle

(structured-safe-weak)

**routine
regulated
ascetic**



unstructured aggressive

(unstructured-dangerous-powerful)

**carnal
frenzied
explosive**

Word	Comp.	Size	Angle	Cos.	Pw	Dg	St
1. desk	47.4	48.8	13.7	0.97	-0.23	-0.26	-0.14
2. elder	46.0	46.1	3.6	1.00	-0.22	-0.20	-0.19
3. nun	45.7	47.3	15.0	0.97	-0.24	-0.25	-0.13
4. notebook	44.3	44.6	7.2	0.99	-0.23	-0.19	-0.17
5. dune	43.5	44.5	12.1	0.98	-0.24	-0.20	-0.14
6. blueprint	42.8	43.8	12.3	0.98	-0.22	-0.22	-0.13
7. lineal	42.3	43.3	12.2	0.98	-0.17	-0.24	-0.15
8. baseboard	41.5	43.5	17.5	0.95	-0.26	-0.14	-0.15
9. regular	41.2	42.3	13.3	0.97	-0.14	-0.17	-0.24
10. sample	40.3	41.4	13.6	0.97	-0.17	-0.23	-0.13
11. point	40.2	41.1	12.0	0.98	-0.20	-0.21	-0.12
12. wrench	40.2	41.6	15.2	0.97	-0.16	-0.13	-0.24
13. standstill	39.5	39.5	3.8	1.00	-0.17	-0.16	-0.19
14. shingle	39.1	40.9	17.4	0.95	-0.20	-0.22	-0.10
15. neutrality	39.1	39.7	10.3	0.98	-0.20	-0.18	-0.13
16. monk	38.6	39.1	9.6	0.99	-0.20	-0.18	-0.13
17. ancient	38.4	39.2	11.7	0.98	-0.22	-0.14	-0.15
18. monogram	38.2	39.2	12.7	0.98	-0.20	-0.19	-0.12
19. march	38.2	39.4	14.3	0.97	-0.14	-0.23	-0.14
20. zen	38.0	38.9	12.6	0.98	-0.19	-0.20	-0.11

Word	Comp.	Size	Angle	Cos.	Pw	Dg	St
1. sexual	61.7	63.6	165.8	-0.97	0.36	0.26	0.19
2. masturbation	60.4	60.5	176.5	-1.00	0.25	0.29	0.27
3. lust	56.8	58.2	167.6	-0.98	0.21	0.33	0.21
4. striptease	56.6	58.1	167.1	-0.97	0.33	0.22	0.20
5. masturbate	56.0	56.1	177.0	-1.00	0.23	0.26	0.26
6. playboy	54.5	55.7	168.4	-0.98	0.28	0.17	0.27
7. ejaculate	53.7	55.2	166.8	-0.97	0.32	0.20	0.19
8. ejaculation	53.2	53.8	171.2	-0.99	0.28	0.19	0.24
9. horny	52.8	53.9	168.7	-0.98	0.23	0.29	0.18
10. seduction	51.4	53.4	164.3	-0.96	0.28	0.27	0.14
11. entice	50.5	50.7	174.7	-1.00	0.21	0.25	0.21
12. jump	50.1	52.4	163.0	-0.96	0.32	0.17	0.18
13. vagina	48.7	48.8	177.3	-1.00	0.20	0.22	0.23
14. agitated	48.2	50.4	162.8	-0.96	0.15	0.30	0.19
15. stripper	47.0	48.7	165.0	-0.97	0.19	0.15	0.28
16. spirits	46.6	47.0	173.2	-0.99	0.24	0.18	0.20
17. clitoris	46.6	48.0	165.8	-0.97	0.20	0.15	0.27
18. bustling	45.2	45.9	169.8	-0.98	0.18	0.25	0.17
19. impulse	45.1	46.9	164.2	-0.96	0.26	0.22	0.12
20. karate	44.7	46.0	166.3	-0.97	0.26	0.19	0.14

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



**structured
weak**

(structured-gentle-bad)

**inert
detached
closed**



**unstructured
powerful**

(unstructured-aggressive-good)

**exciting
celebratory
frolisome**

Word	Comp.	Size	Angle	Cos.	Pw	Dg	St
1. no surprise	56.0	57.3	12.0	0.98	-0.36	0.04	-0.25
2. lone	55.6	57.9	16.2	0.96	-0.39	0.01	-0.21
3. stone	55.3	56.1	9.7	0.99	-0.25	-0.01	-0.35
4. trunk	52.4	54.3	15.0	0.97	-0.34	-0.07	-0.22
5. closure	51.2	52.2	11.3	0.98	-0.33	-0.00	-0.22
6. lethargic	50.3	52.6	17.3	0.95	-0.35	0.03	-0.19
7. finalized	50.0	52.4	17.2	0.96	-0.19	-0.01	-0.35
8. standby	48.1	50.0	16.1	0.96	-0.33	-0.02	-0.19
9. inactivate	47.8	48.8	11.8	0.98	-0.31	0.00	-0.20
10. olden	46.8	47.9	12.3	0.98	-0.30	-0.04	-0.21
11. unoccupied	46.2	47.3	12.7	0.98	-0.31	-0.00	-0.19
12. baton	45.5	45.7	5.4	1.00	-0.23	-0.02	-0.27
13. fragment	43.7	45.7	17.2	0.96	-0.28	0.08	-0.19
14. abstention	42.9	43.0	3.0	1.00	-0.22	0.00	-0.24
15. distance	41.6	43.6	17.4	0.95	-0.28	0.06	-0.17
16. anaesthesia	40.3	42.0	16.1	0.96	-0.23	-0.09	-0.21
17. celibacy	39.0	39.1	3.8	1.00	-0.20	-0.01	-0.22
18. grate	38.9	40.7	16.8	0.96	-0.26	-0.05	-0.16
19. delete	38.1	39.7	16.2	0.96	-0.27	0.01	-0.15
20. omit	37.7	38.4	11.3	0.98	-0.23	-0.04	-0.18

Word	Comp.	Size	Angle	Cos.	Pw	Dg	St
1. great surprise	81.8	84.9	164.6	-0.96	0.57	-0.01	0.32
2. carnival	75.3	75.7	174.3	-1.00	0.44	-0.04	0.38
3. birthday	75.0	76.6	168.3	-0.98	0.45	-0.10	0.36
4. applause	74.9	77.0	166.8	-0.97	0.48	-0.08	0.33
5. amusing	73.0	75.8	164.2	-0.96	0.48	-0.10	0.31
6. amused	72.9	74.4	168.4	-0.98	0.46	-0.08	0.33
7. party	72.6	73.7	170.3	-0.99	0.42	-0.09	0.37
8. happynewyear	72.2	74.2	166.8	-0.97	0.43	-0.12	0.36
9. excite	72.2	75.6	162.7	-0.95	0.50	0.08	0.28
10. kiss	72.1	75.4	163.0	-0.96	0.48	-0.12	0.30
11. extreme surprise	71.7	75.1	162.5	-0.95	0.50	0.07	0.28
12. fun	70.6	73.9	162.8	-0.96	0.49	-0.06	0.27
13. surprise	69.4	69.7	174.6	-1.00	0.41	-0.01	0.34
14. dancing	69.3	69.9	172.1	-0.99	0.33	-0.03	0.42
15. excitable	69.2	71.7	164.9	-0.97	0.45	0.09	0.30
16. humorist	69.0	72.2	163.0	-0.96	0.44	-0.13	0.30
17. tasty	68.6	71.0	165.0	-0.97	0.40	-0.13	0.34
18. dance	67.8	68.3	173.1	-0.99	0.40	-0.05	0.34
19. ecstacy	67.0	70.3	162.5	-0.95	0.46	0.08	0.26
20. rollercoaster	66.4	69.4	163.3	-0.96	0.46	0.07	0.26

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



**structured
bad**

(structured-dangerous-weak)

**funereal
contaminated
irreparable**



**unstructured
good**

(unstructured-safe-powerful)

**playful
joyful
laughing**

Word	Comp. Size	Size	Angle	Cos.	Pw	Dg	St
1. misrepresented	58.2	60.0	14.2	0.97	-0.24	0.34	-0.19
2. funeral	57.7	59.6	14.6	0.97	-0.35	0.22	-0.20
3. deletion	56.0	57.4	13.0	0.97	-0.24	0.32	-0.18
4. irreparable	55.5	58.2	17.6	0.95	-0.26	0.34	-0.15
5. improbable	53.8	54.5	8.8	0.99	-0.29	0.23	-0.20
6. opposed	53.4	55.3	15.2	0.96	-0.15	0.27	-0.29
7. coldness	52.9	54.1	12.5	0.98	-0.27	0.27	-0.16
8. bruising	52.8	55.3	17.6	0.95	-0.25	0.31	-0.13
9. vile	52.5	55.1	17.6	0.95	-0.15	0.33	-0.22
10. extinct	49.9	52.0	16.3	0.96	-0.26	0.27	-0.13
11. ineligible	48.8	49.6	10.4	0.98	-0.27	0.17	-0.21
12. skeptic	48.3	48.3	1.8	1.00	-0.21	0.22	-0.21
13. darkened	48.3	48.7	7.9	0.99	-0.25	0.22	-0.17
14. pantheon	48.0	50.1	16.7	0.96	-0.14	0.20	-0.29
15. annulment	47.6	48.7	12.1	0.98	-0.27	0.16	-0.20
16. farewell	47.5	49.8	17.4	0.95	-0.12	0.27	-0.24
17. comatose	47.3	48.1	10.8	0.98	-0.26	0.21	-0.16
18. deflect	47.2	48.0	10.2	0.98	-0.20	0.26	-0.17
19. stereotype	46.8	48.9	17.2	0.96	-0.13	0.20	-0.29
20. halt	46.2	48.0	16.0	0.96	-0.28	0.14	-0.19

Word	Comp. Size	Size	Angle	Cos.	Pw	Dg	St
1. smiling	66.1	69.0	163.3	-0.96	0.42	-0.22	0.24
2. romance	66.0	68.0	166.2	-0.97	0.39	-0.22	0.27
3. honeymoon	65.8	66.8	170.2	-0.99	0.34	-0.22	0.31
4. laugh	65.0	66.2	168.7	-0.98	0.37	-0.25	0.25
5. sweetie	64.0	64.8	171.0	-0.99	0.31	-0.32	0.22
6. laughter	62.6	64.3	167.1	-0.97	0.37	-0.22	0.24
7. scrumptious	62.6	63.6	169.4	-0.98	0.35	-0.23	0.26
8. fiancée	62.0	62.6	171.9	-0.99	0.33	-0.24	0.25
9. liking	61.9	63.0	169.0	-0.98	0.34	-0.26	0.22
10. cheery	61.5	62.1	171.7	-0.99	0.29	-0.22	0.31
11. goodies	60.8	61.7	170.1	-0.99	0.23	-0.24	0.33
12. adorable	60.6	61.6	169.9	-0.98	0.21	-0.33	0.26
13. loving	60.1	62.9	163.1	-0.96	0.37	-0.24	0.18
14. travel	60.0	61.6	166.7	-0.97	0.33	-0.18	0.29
15. lovee	59.8	61.6	166.1	-0.97	0.35	-0.26	0.19
16. hearts	59.6	62.2	163.4	-0.96	0.36	-0.25	0.17
17. love-love-love	59.4	59.9	173.0	-0.99	0.30	-0.27	0.22
18. happyheart	59.4	61.0	166.7	-0.97	0.34	-0.27	0.18
19. memories	59.0	60.5	167.2	-0.98	0.23	-0.34	0.21
20. delicious	58.4	60.2	166.0	-0.97	0.35	-0.20	0.22

Word	Comp.	Size	Angle	Cos.	Pw	Dg	St
1. demolish	56.9	58.1	168.1	-0.98	0.02	0.37	-0.24
2. protocol	55.0	56.2	168.2	-0.98	0.05	0.25	-0.35
3. rigidity	49.2	49.4	174.4	-1.00	0.03	0.25	-0.28
4. irreversible	48.4	48.6	175.5	-1.00	-0.02	0.27	-0.25
5. obligation	46.8	47.8	168.5	-0.98	0.07	0.28	-0.23
6. narcissist	46.5	48.3	164.5	-0.96	-0.02	0.32	-0.18
7. litigant	45.4	45.9	172.3	-0.99	0.04	0.26	-0.23
8. jailer	44.6	46.7	162.7	-0.95	0.01	0.32	-0.17
9. antagonist	43.9	45.4	165.2	-0.97	0.07	0.28	-0.20
10. judging	43.5	45.3	163.9	-0.96	0.07	0.28	-0.19
11. carnivorous	42.3	43.7	165.8	-0.97	0.03	0.28	-0.17
12. forensics	42.1	42.2	176.6	-1.00	0.02	0.23	-0.23
13. curfew	41.1	42.9	163.1	-0.96	0.01	0.29	-0.15
14. induce	40.8	42.1	165.5	-0.97	0.06	0.26	-0.19
15. python	40.7	42.7	162.6	-0.95	0.00	0.29	-0.15
16. penal	40.7	41.6	167.9	-0.98	-0.03	0.26	-0.18
17. cardiology	40.6	41.6	168.0	-0.98	-0.05	0.25	-0.19
18. critic	40.1	41.5	165.1	-0.97	0.07	0.25	-0.18
19. smug	40.1	41.6	164.4	-0.96	-0.06	0.26	-0.18
20. revocation	39.8	41.2	164.8	-0.97	0.06	0.26	-0.17

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



unstructured
gentle

(unstructured-safe-weak)

whimsical
childlike
yielding



structured
aggressive

(structured-dangerous-powerful)

dictatorial
militaristic
imperious

Word	Comp.	Size	Angle	Cos.	Pw	Dg	St
1. feather	62.2	64.4	15.3	0.96	-0.31	-0.34	0.17
2. pudding	57.5	60.0	16.9	0.96	-0.21	-0.36	0.19
3. lotion	57.3	59.1	14.0	0.97	-0.23	-0.34	0.19
4. wig	57.3	58.5	11.7	0.98	-0.23	-0.33	0.21
5. plum	57.2	57.9	9.1	0.99	-0.22	-0.31	0.23
6. burrito	56.3	56.8	7.9	0.99	-0.25	-0.29	0.21
7. foam	55.7	58.4	17.5	0.95	-0.24	-0.34	0.15
8. puree	54.6	56.7	15.8	0.96	-0.22	-0.33	0.17
9. bunny	54.5	55.7	11.8	0.98	-0.19	-0.31	0.23
10. foaming	52.9	55.3	16.8	0.96	-0.27	-0.30	0.13
11. platter	52.7	55.2	17.4	0.95	-0.23	-0.32	0.14
12. weave	52.5	54.4	15.1	0.97	-0.30	-0.25	0.15
13. shoes	52.2	53.5	12.3	0.98	-0.18	-0.30	0.21
14. cream	52.0	54.1	16.1	0.96	-0.22	-0.31	0.15
15. crayon	51.4	53.5	16.2	0.96	-0.29	-0.25	0.14
16. butter	50.4	51.4	10.9	0.98	-0.24	-0.26	0.16
17. sleeveless	50.1	51.1	11.4	0.98	-0.25	-0.26	0.16
18. littlethings	49.9	52.2	17.1	0.96	-0.16	-0.31	0.19
19. froth	49.5	50.9	13.1	0.97	-0.27	-0.24	0.15
20. lego	49.1	50.5	13.3	0.97	-0.27	-0.23	0.15

Word	Comp.	Size	Angle	Cos.	Pw	Dg	St
1. boss	65.8	66.4	172.8	-0.99	0.29	0.24	-0.33
2. dictatorial	65.7	68.6	163.1	-0.96	0.23	0.41	-0.23
3. exterminator	65.0	67.4	164.6	-0.96	0.35	0.34	-0.18
4. relentless	63.2	63.5	174.2	-0.99	0.31	0.28	-0.24
5. imperialist	61.4	63.9	164.0	-0.96	0.27	0.37	-0.18
6. army	60.6	63.4	163.1	-0.96	0.37	0.26	-0.18
7. political	60.0	60.8	170.8	-0.99	0.31	0.29	-0.21
8. cop	58.7	60.6	165.4	-0.97	0.29	0.33	-0.17
9. policy	56.9	58.0	168.9	-0.98	0.27	0.30	-0.19
10. courtroom	56.5	57.2	171.2	-0.99	0.30	0.22	-0.23
11. armada	56.5	58.6	164.6	-0.96	0.34	0.25	-0.17
12. military	56.5	57.7	168.1	-0.98	0.32	0.24	-0.19
13. commando	54.0	54.8	170.5	-0.99	0.24	0.29	-0.19
14. imposing	53.4	55.1	165.9	-0.97	0.30	0.25	-0.16
15. demanding	53.2	55.5	163.4	-0.96	0.30	0.26	-0.14
16. regimental	52.2	52.6	172.9	-0.99	0.19	0.26	-0.24
17. manipulate	52.2	54.5	163.4	-0.96	0.17	0.33	-0.20
18. claimant	51.7	53.3	165.9	-0.97	0.18	0.31	-0.20
19. politician	51.6	53.1	166.2	-0.97	0.20	0.18	-0.31
20. courts	51.6	52.5	169.2	-0.98	0.26	0.25	-0.17



Word	Comp.	Size	Angle	Cos.	Pw	Dg	St
1. commissioner	59.0	60.5	167.5	-0.98	0.35	-0.09	-0.29
2. superintendent	57.4	59.6	164.1	-0.96	0.40	0.00	-0.22
3. supervisor	56.8	58.6	165.9	-0.97	0.36	-0.08	-0.25
4. business man	55.9	58.1	164.2	-0.96	0.38	0.06	-0.23
5. directive	54.5	56.4	165.2	-0.97	0.37	-0.04	-0.22
6. producer	54.1	55.6	166.9	-0.97	0.36	0.02	-0.23
7. governmental	52.7	53.3	171.2	-0.99	0.32	0.03	-0.25
8. administrator	52.6	52.8	175.4	-1.00	0.30	-0.02	-0.27
9. magistrate	52.6	54.2	165.9	-0.97	0.36	-0.02	-0.21
10. reformer	52.5	54.2	165.4	-0.97	0.36	0.02	-0.21
11. patriarch	52.4	53.8	167.0	-0.97	0.31	-0.09	-0.26
12. minister	51.6	52.1	171.7	-0.99	0.28	-0.06	-0.28
13. controlling	50.5	50.9	173.6	-0.99	0.25	-0.02	-0.30
14. warrants	50.2	51.2	168.8	-0.98	0.27	-0.08	-0.27
15. colonel	50.2	52.6	162.7	-0.95	0.31	0.11	-0.24
16. officer	49.7	50.4	170.5	-0.99	0.26	-0.06	-0.28
17. congressman	49.2	50.0	169.7	-0.98	0.23	0.04	-0.30
18. juridical	49.1	49.6	171.9	-0.99	0.25	-0.05	-0.28
19. patron	48.7	49.9	167.3	-0.98	0.29	-0.08	-0.24
20. legislator	48.6	50.3	165.1	-0.97	0.31	0.08	-0.22

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



**unstructured
bad**

(unstructured-dangerous-weak)

**confused
mocked
messy**



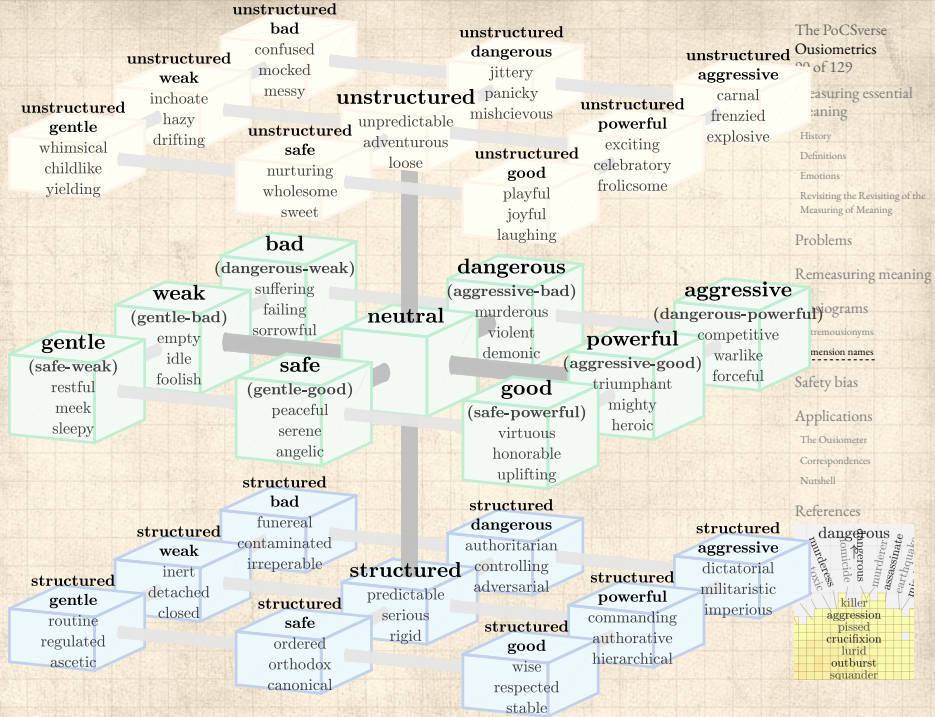
**structured
good**

(structured-safe-powerful)

**wise
respected
stable**

Word	Comp.	Size	Angle	Cos.	Pw	Dg	St
1. slave	71.3	73.6	14.2	0.97	-0.28	0.43	0.24
2. skittish	71.1	74.5	17.3	0.95	-0.26	0.45	0.23
3. vomiting	70.7	73.2	15.2	0.97	-0.29	0.43	0.22
4. lost	62.5	64.1	12.9	0.97	-0.33	0.32	0.19
5. downfall	62.0	63.8	13.3	0.97	-0.28	0.35	0.19
6. stifled	60.1	61.4	12.0	0.98	-0.25	0.34	0.21
7. mocked	60.0	61.8	13.7	0.97	-0.23	0.36	0.21
8. wobbly	59.6	62.4	17.3	0.95	-0.22	0.38	0.19
9. inexperience	58.9	61.3	15.9	0.96	-0.34	0.27	0.16
10. unsettled	58.8	60.7	14.1	0.97	-0.31	0.30	0.17
11. cockroach	58.4	60.9	16.5	0.96	-0.30	0.33	0.15
12. messy	58.3	59.2	9.8	0.99	-0.32	0.25	0.21
13. queasiness	58.2	60.6	16.1	0.96	-0.35	0.24	0.17
14. confused	57.4	59.0	13.3	0.97	-0.30	0.29	0.17
15. twit	57.1	59.6	16.8	0.96	-0.30	0.31	0.15
16. flee	56.2	58.8	17.1	0.96	-0.16	0.34	0.25
17. impotence	56.2	58.9	17.3	0.95	-0.26	0.34	0.15
18. unorganized	56.2	56.8	8.6	0.99	-0.28	0.27	0.20
19. shiver	55.8	58.1	15.9	0.96	-0.18	0.34	0.21
20. shaky	55.4	56.8	12.7	0.98	-0.21	0.32	0.20

Word	Comp.	Size	Angle	Cos.	Pw	Dg	St
1. confidence	84.2	88.3	162.6	-0.95	0.44	-0.47	-0.21
2. reliable	76.6	80.2	162.6	-0.95	0.35	-0.46	-0.20
3. wise	72.7	75.7	163.9	-0.96	0.33	-0.43	-0.20
4. secure	68.9	72.0	163.0	-0.96	0.41	-0.31	-0.19
5. respectable	68.3	71.1	164.0	-0.96	0.38	-0.34	-0.18
6. constitute	68.0	69.7	167.3	-0.98	0.38	-0.31	-0.21
7. stability	67.0	68.4	168.0	-0.98	0.30	-0.37	-0.22
8. autonomy	64.7	65.9	169.2	-0.98	0.35	-0.29	-0.22
9. educator	64.4	66.5	165.4	-0.97	0.32	-0.35	-0.18
10. soundness	63.3	65.0	166.7	-0.97	0.36	-0.27	-0.20
11. sacred	63.2	66.3	162.4	-0.95	0.37	-0.31	-0.16
12. parent	62.8	64.9	165.2	-0.97	0.35	-0.31	-0.18
13. maestro	62.3	64.8	163.9	-0.96	0.34	-0.32	-0.16
14. civilized	62.3	64.7	164.3	-0.96	0.23	-0.38	-0.21
15. propriety	61.8	64.6	163.1	-0.96	0.27	-0.38	-0.17
16. securities	61.5	61.9	173.6	-0.99	0.29	-0.30	-0.23
17. property	60.8	62.4	167.1	-0.97	0.21	-0.35	-0.25
18. father	60.4	62.6	164.8	-0.96	0.31	-0.33	-0.16
19. proprietary	60.3	61.4	168.8	-0.98	0.26	-0.34	-0.21
20. order	59.8	61.1	168.1	-0.98	0.27	-0.33	-0.19



From types to tokens: [17, ?]



Analysis so far is for a lexicon of types: Each word counts once.

The PoCSverse

Ousiometrics

91 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousimeter

Correspondences

Nutshell

References



From types to tokens: [17, ?]



Analysis so far is for a lexicon of types: Each word counts once.



Must consider how words are used in real texts by frequency:
Tokens.

The PoCSverse

Ousiometrics

91 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousimeter

Correspondences

Nutshell

References



From types to tokens: [17, ?]

 Analysis so far is for a lexicon of types: Each word counts once.

 Must consider how words are used in real texts by frequency: Tokens.

 Rebuild ousiograms with usage frequency incorporated.

 A set of distinct corpora:

 English fiction from Google Books (120 years). [11, 16]

 Jane Austen's novels.

 Sherlock Holmes stories.

 New York Times (20 years). [21]

 Wikipedia (2019/03). [22]

 RadioTalk: Transcriptions of talk radio. [3]

 Twitter through Storywrangler. [1]

The PoCVerse

Ousiometrics

91 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

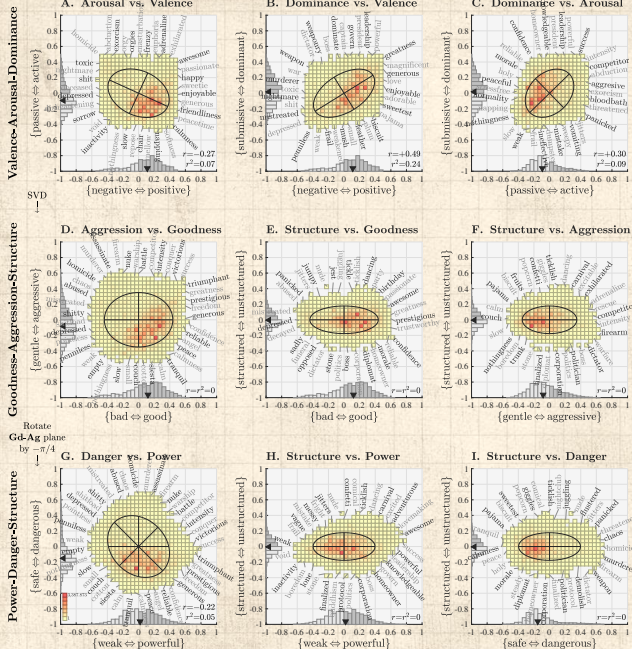
The Ousiometer

Correspondences

Nutshell

References





Measuring essential meaning

- History
- Definitions
- Emotions
- Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

- Extremousynonyms
- Dimension names

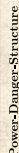
Safety bias

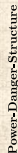
Applications

- The Ousiometer
- Correspondences
- Nutshell

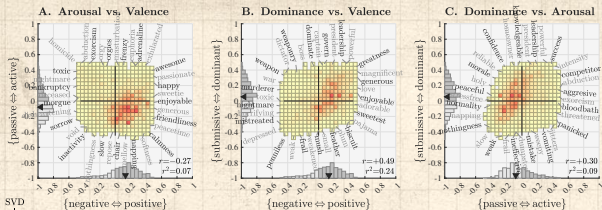
References



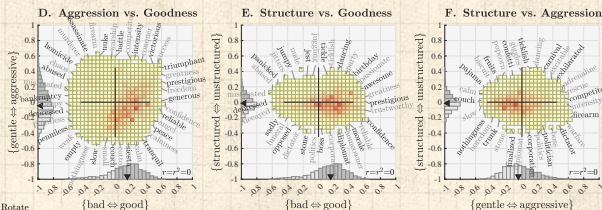




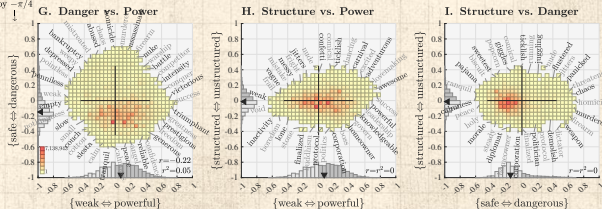
Valence-Arousal-Dominance



Goodness-Aggression-Structure



Power-Danger-Structure



The PoCVerse
 Ousiometrics
 95 of 129

Measuring essential
 meaning

History
 Definitions
 Emotions
 Revisiting the Revisiting of the
 Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
 Dimension names

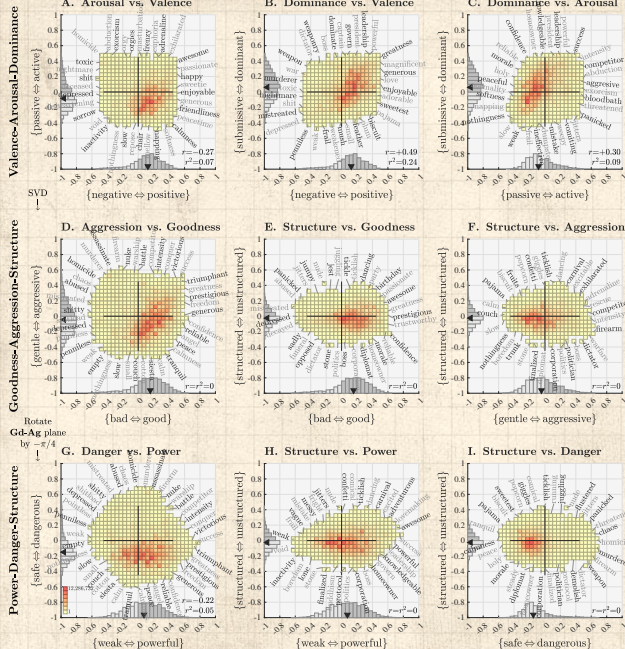
Safety bias

Applications

The Ousiometer
 Correspondences
 Nutshell

References





The PoCVerse
Ousiometrics
96 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

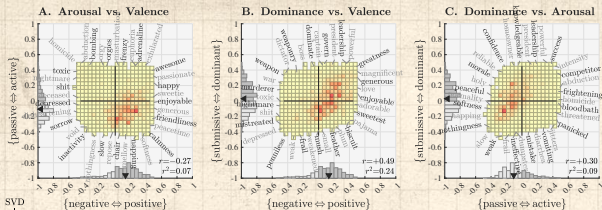
Correspondences

Nutshell

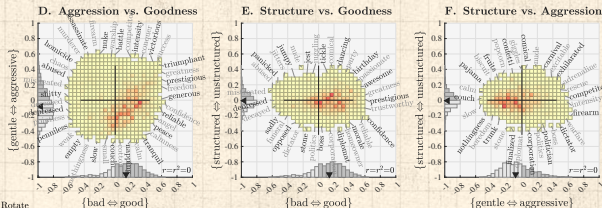
References



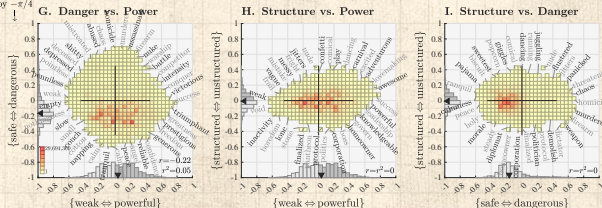
Valence-Arousal-Dominance



Goodness-Aggression-Structure



Power-Danger-Structure



The PoCVerse
 Ousiometrics
 97 of 129

Measuring essential
 meaning

History
 Definitions
 Emotions
 Revisiting the Revisiting of the
 Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
 Dimension names

Safety bias

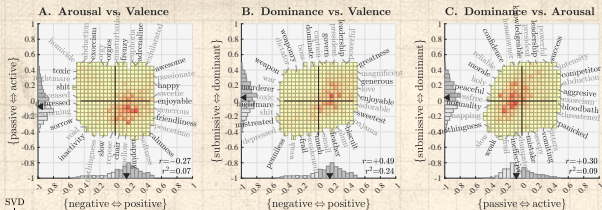
Applications

The Ousiometer
 Correspondences
 Nutshell

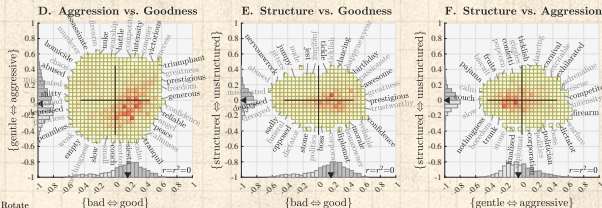
References



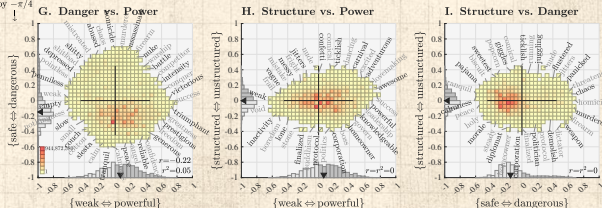
Valence-Arousal-Dominance



Goodness-Aggression-Structure



Power-Danger-Structure



The PoCVerse
 Ousiometrics
 98 of 129

Measuring essential
 meaning

History
 Definitions
 Emotions
 Revisiting the Revisiting of the
 Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
 Dimension names

Safety bias

Applications

The Ousiometer
 Correspondences
 Nutshell

References



Measuring essential meaning

History
Definitions
Emotions
Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

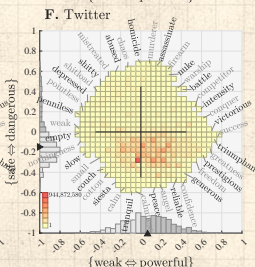
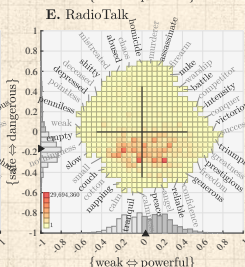
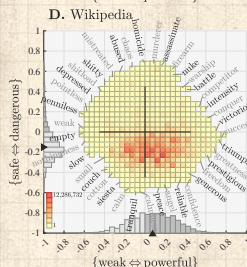
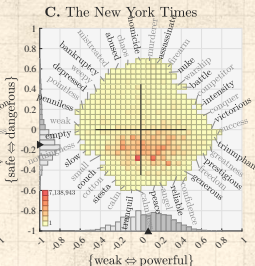
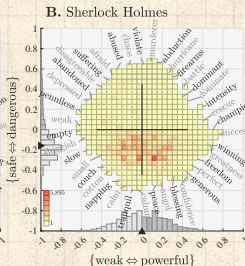
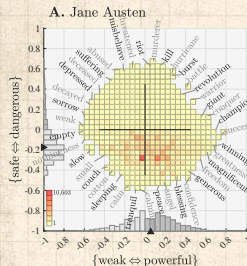
Extremousynonyms
Dimension names

Safety bias

Applications

The Ousiometer
Correspondences
Nutshell

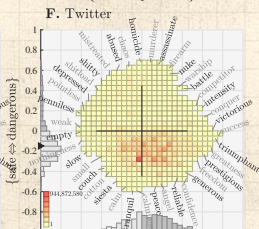
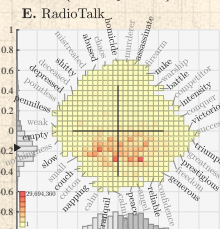
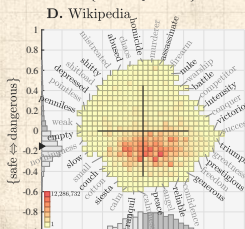
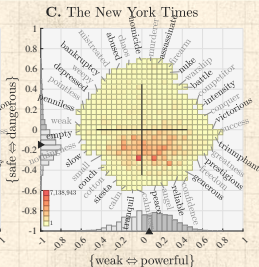
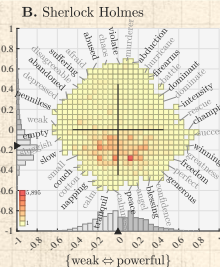
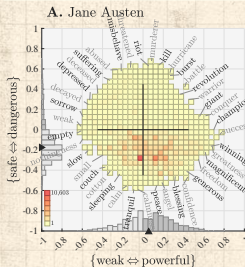
References



A special thing has happened:



The PDS framework emerged only from analyzing a lexicon (types).



The PoCVerse
Ousiometrics
100 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousynoms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



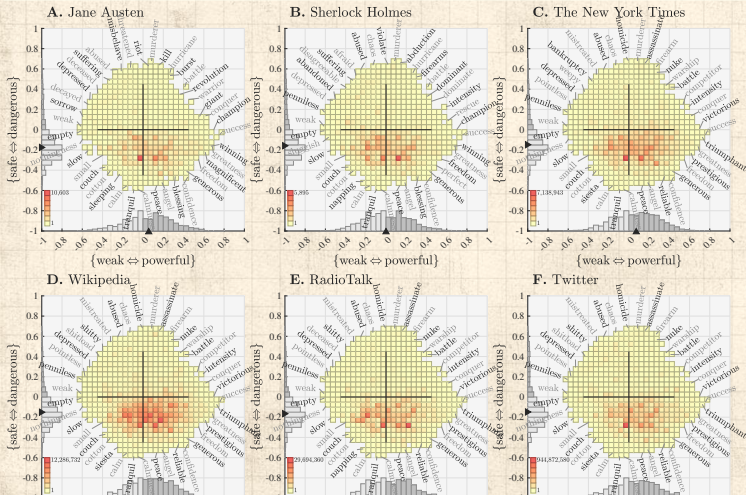
A special thing has happened:



The PDS framework emerged only from analyzing a lexicon (types).



Applying PDS framework to disparate corpora (tokens) reveals a linguistic 'safety bias'.



The PoCVerse
Ousiometrics
100 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousynoms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Outline

Extremousonyms

Dimension names

Applications

The Ousiometer

Nutshell

The PoCSverse

Ousiometrics

101 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Oculometer

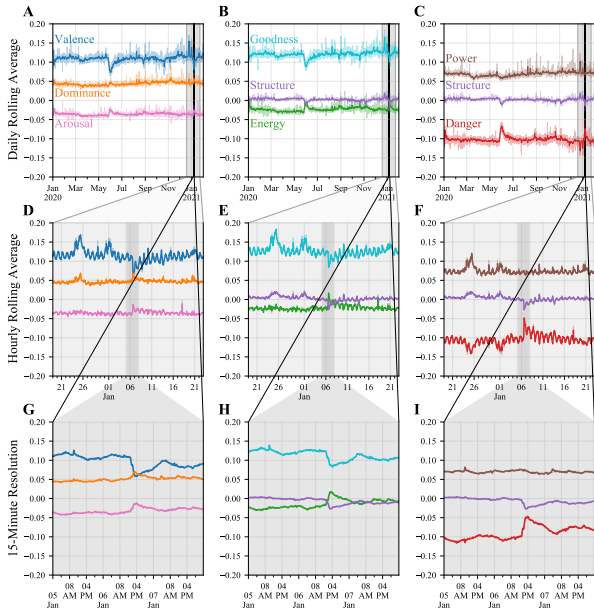
Correspondences

Nutshell

References



Prototype ousiometer—Twitter:



The PoCSverse
Ousiometrics
102 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousimeter

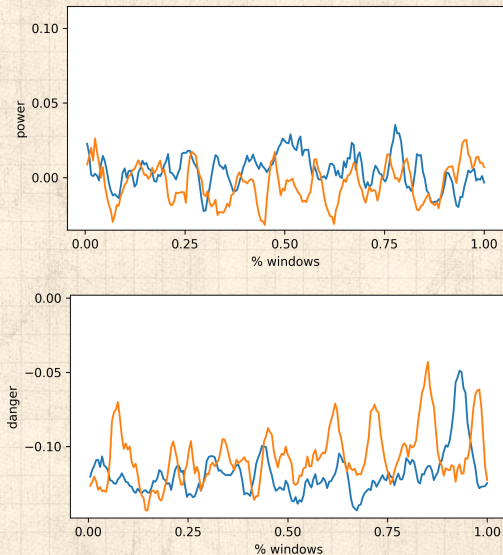
Correspondences

Nutshell

References



Prototype ousiometer—Harry Potter:



Blue: Harry Potter and the Half-Blood Prince
Orange: Harry Potter and the Deathly Hallows

The PoCVerse
Ousiometrics
103 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

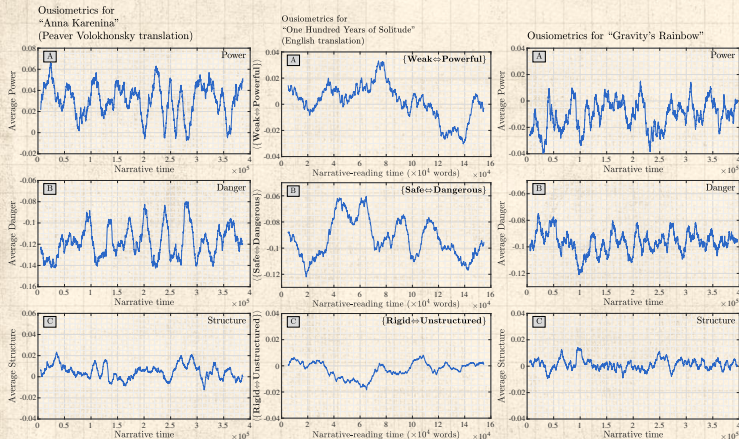
Correspondences

Nutshell

References



Power and Danger time series for books:



The PoCVerse
Ousimetrics
104 of 129

Measuring essential
meaning

History
Definitions
Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousigrams

Extremousonyms
Dimension names

Safety bias

Applications

The Ousimetric
Correspondences
Nutshell

References



Prototype ousiometer—Terry Pratchett's Discworld:

The PoCVerse
Ousiometrics
105 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

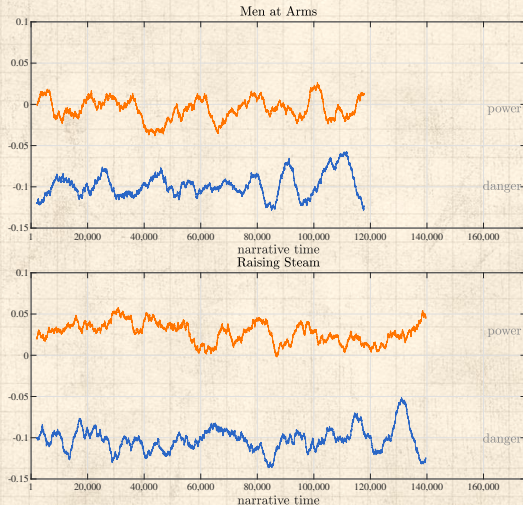
Applications

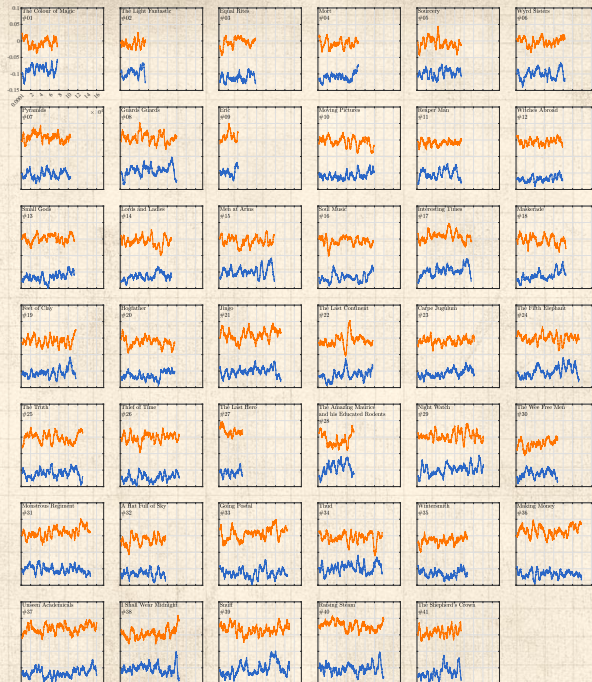
The Ousiometer

Correspondences

Nutshell

References





Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Remeasuring meaning

Extremousonyms

Dimension names

Applications

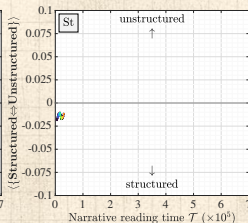
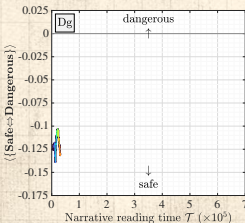
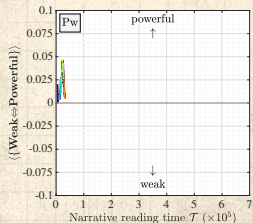
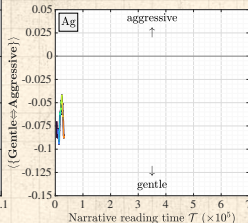
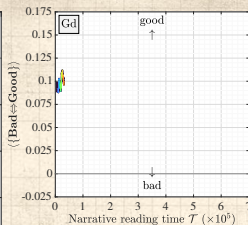
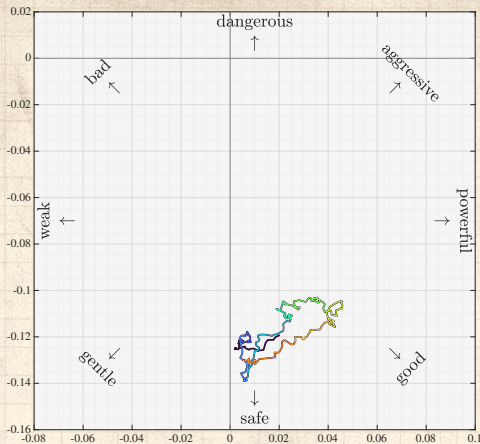
The Ousimeter

Correspondences

Nutshell

dangerous
murderess
murderer
assassinate
earthquake
killer
aggression
pissed
crucifixion
lurid
outburst
squander

"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

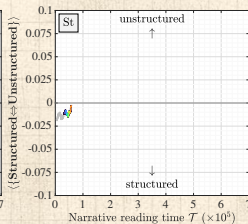
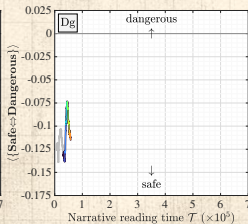
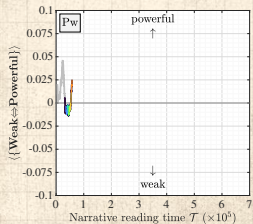
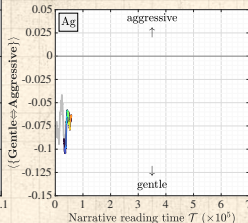
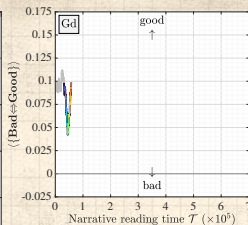
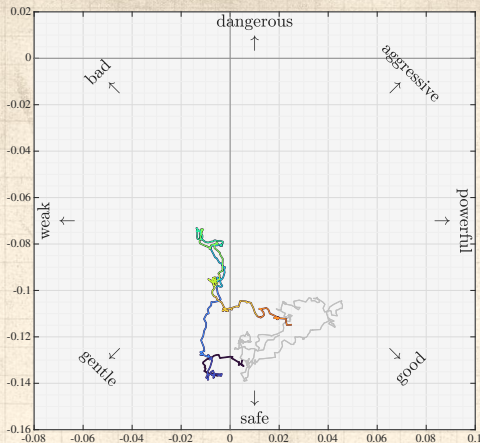
Correspondences

Nutshell

References



"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

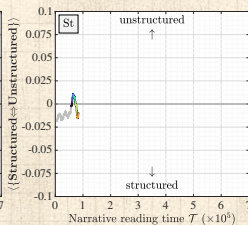
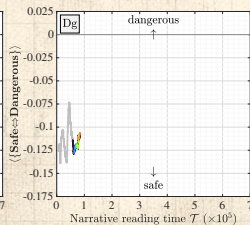
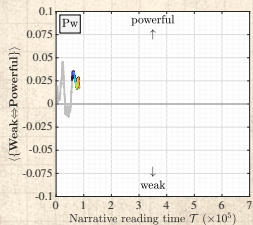
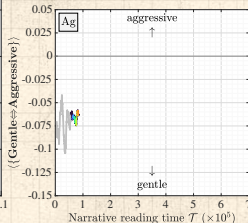
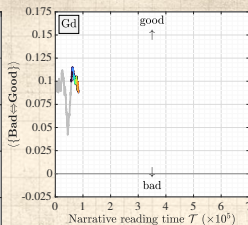
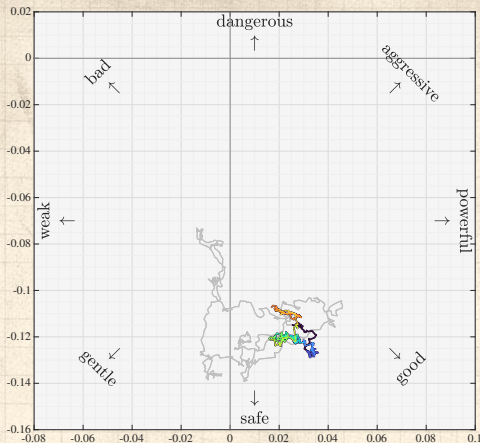
Correspondences

Nutshell

References



"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

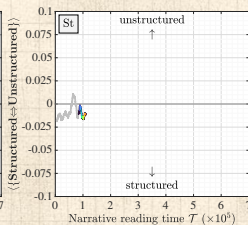
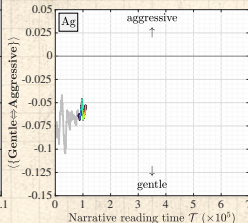
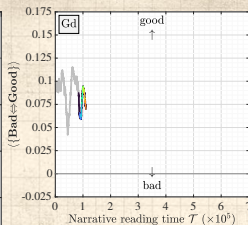
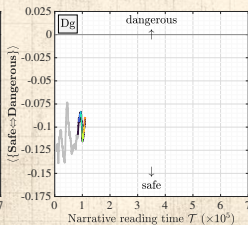
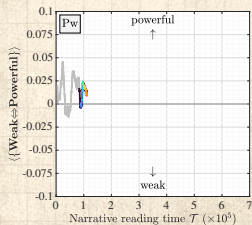
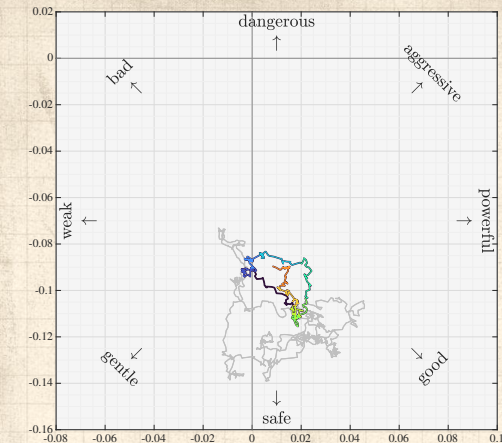
Correspondences

Nutshell

References



"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

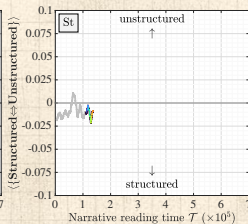
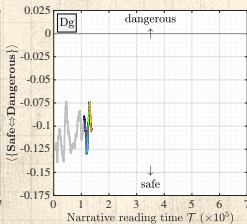
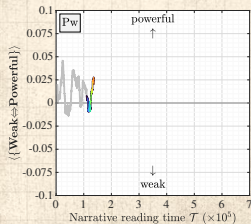
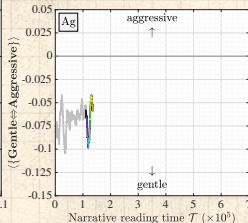
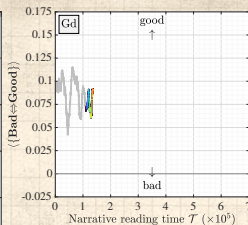
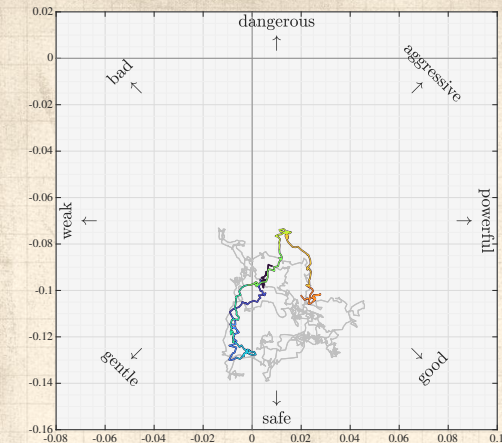
Correspondences

Nutshell

References



"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

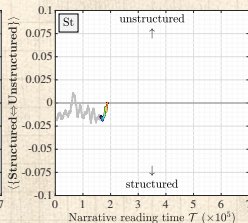
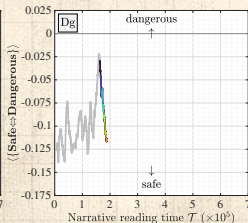
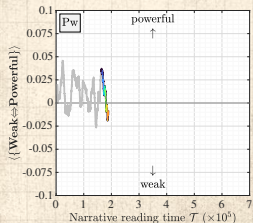
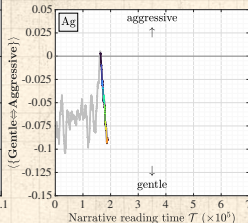
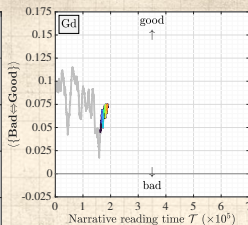
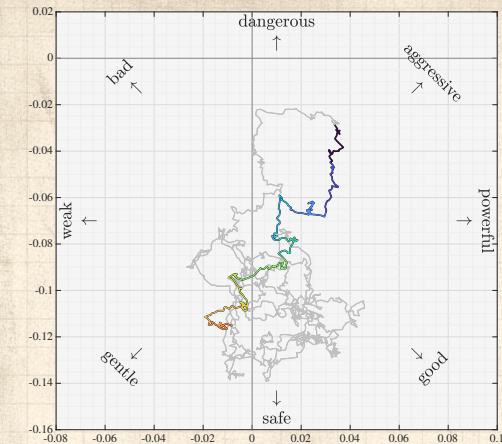
Correspondences

Nutshell

References



"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History
Definitions
Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
Dimension names

Safety bias

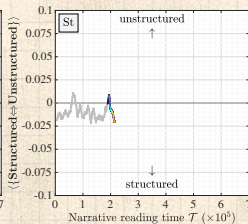
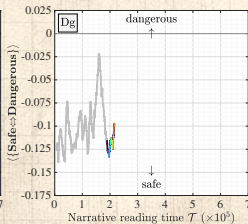
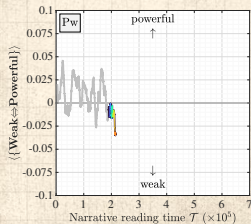
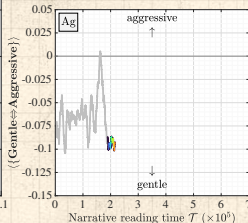
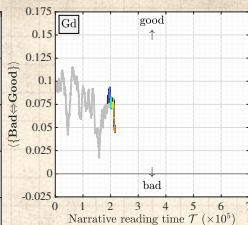
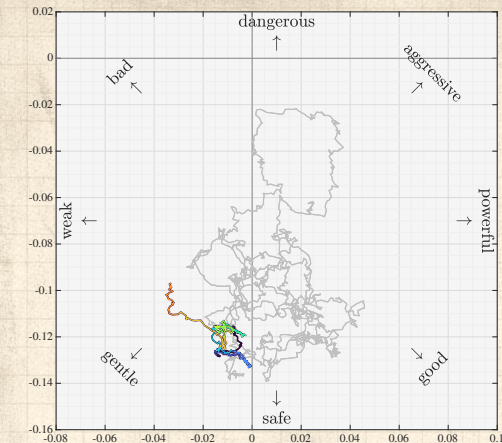
Applications

The Ousiometer
Correspondences
Nutshell

References



"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

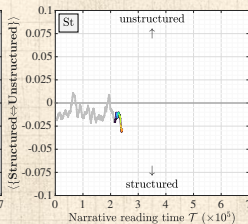
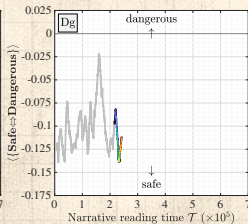
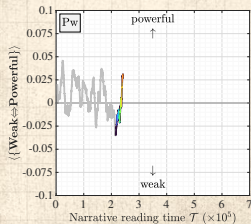
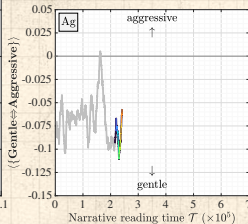
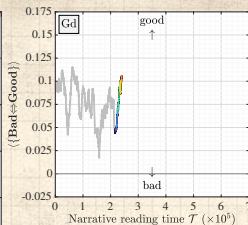
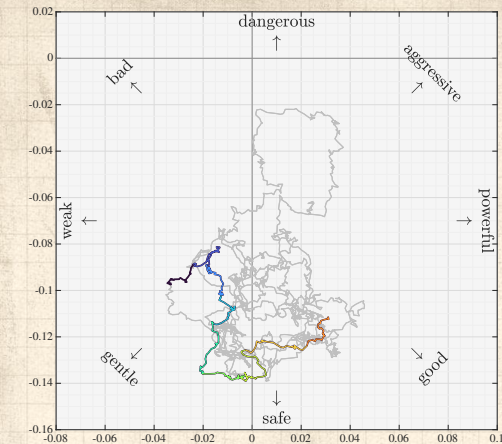
Correspondences

Nutshell

References



"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

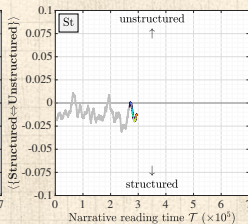
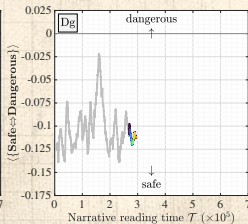
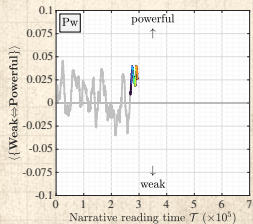
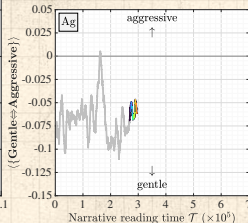
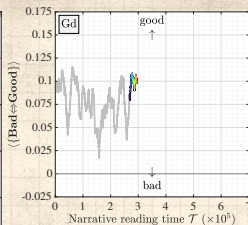
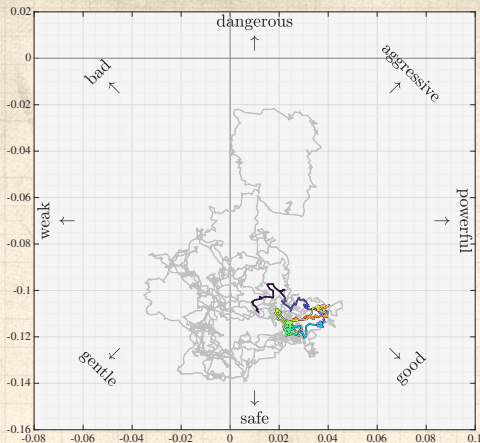
Correspondences

Nutshell

References



"Les Misérables" by Victor Hugo (English translation)



The PoCServe
Ousiometrics
109 of 129

Measuring essential
meaning

History
Definitions
Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
Dimension names

Safety bias

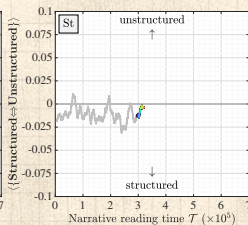
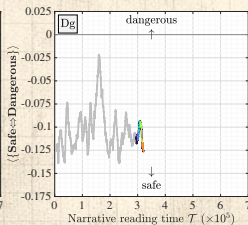
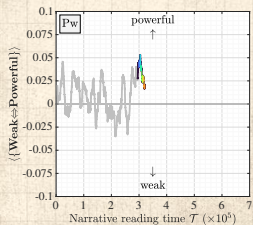
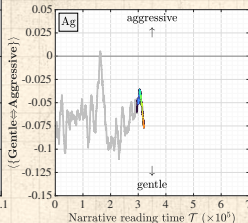
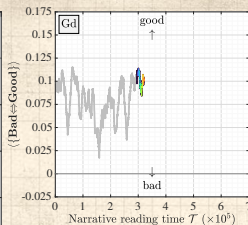
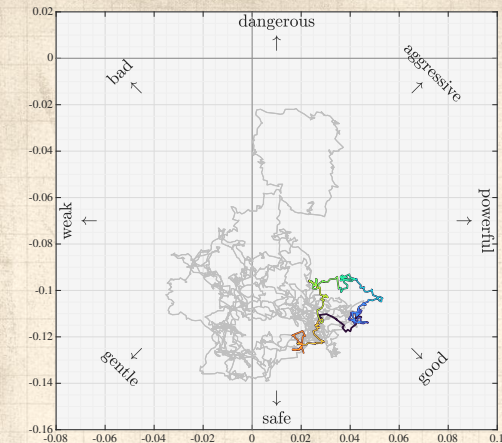
Applications

The Ousiometer
Correspondences
Nutshell

References



"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

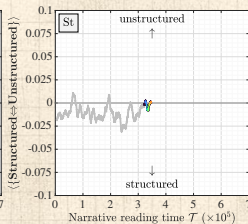
Correspondences

Nutshell

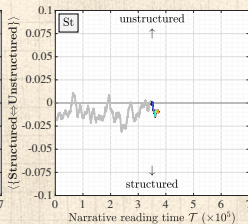
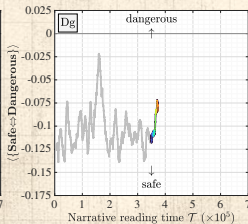
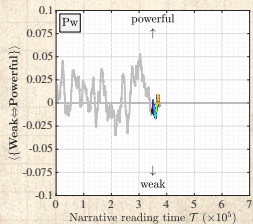
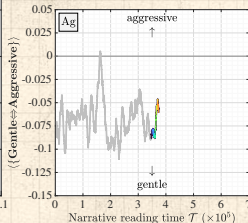
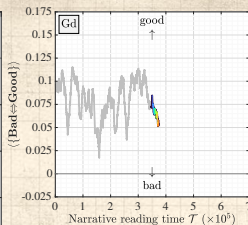
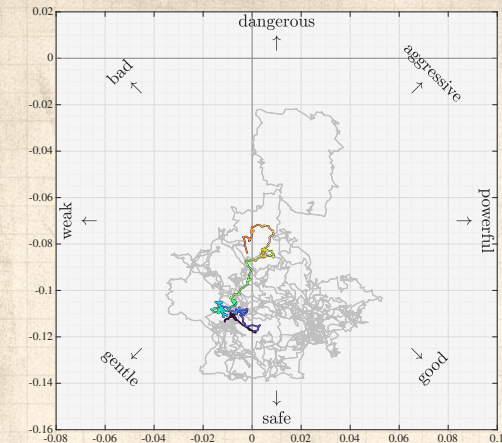
References



dangerous
murderess
toxic
chaos
killer
aggression
pissed
crucifixion
lurid
outburst
squander



"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History
Definitions
Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
Dimension names

Safety bias

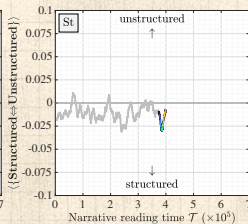
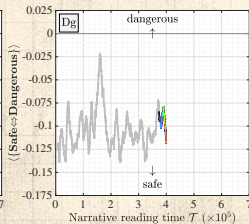
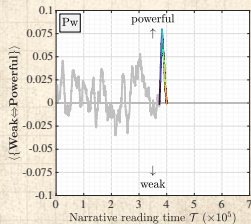
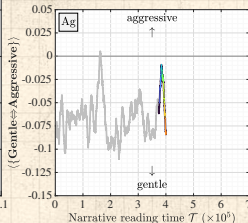
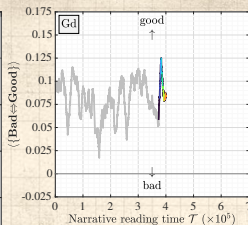
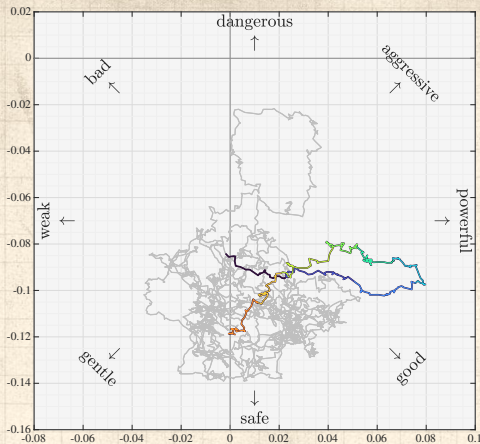
Applications

The Ousiometer
Correspondences
Nutshell

References



"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

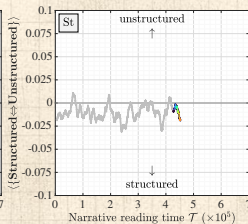
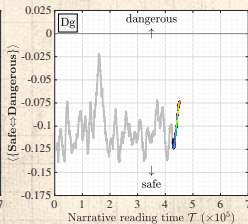
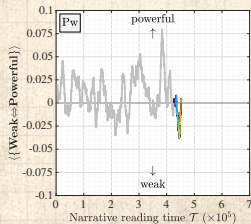
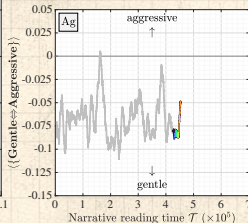
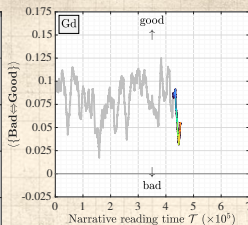
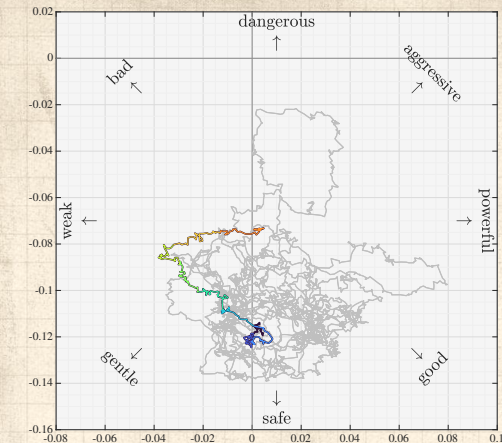
Correspondences

Nutshell

References



"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

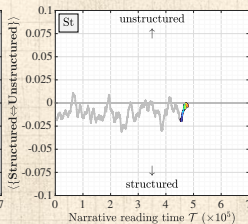
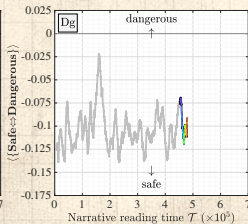
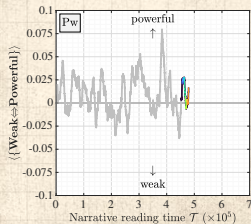
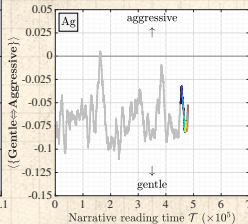
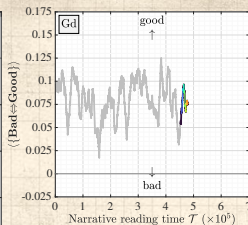
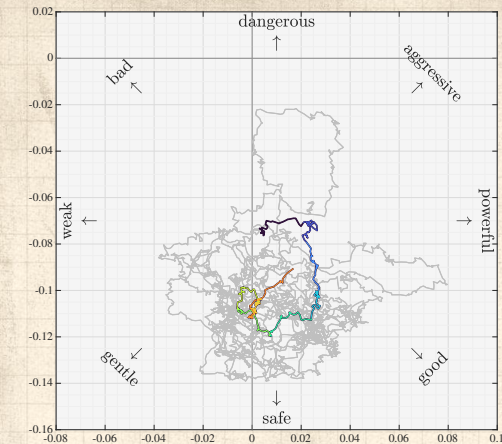
Correspondences

Nutshell

References



"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History
Definitions
Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
Dimension names

Safety bias

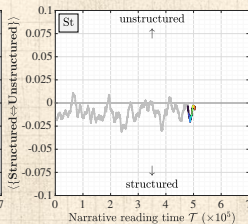
Applications

The Ousiometer
Correspondences
Nutshell

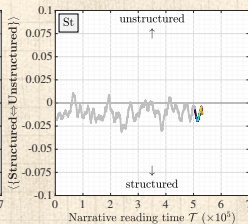
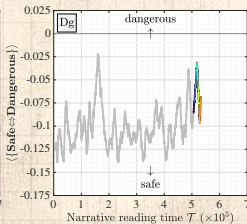
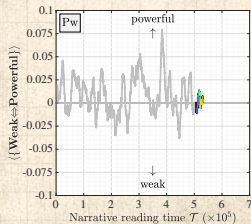
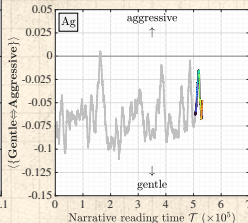
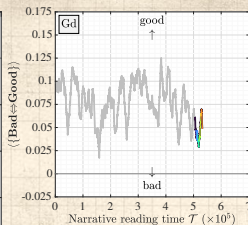
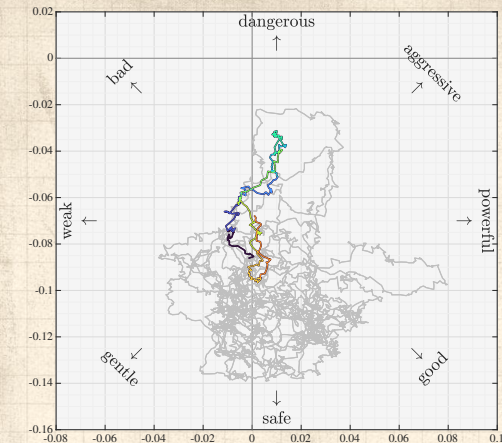
References



dangerous
murderous
murderer
assassinate
earthquake
killer
aggression
pissed
crucifixion
lurid
outburst
squander



"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

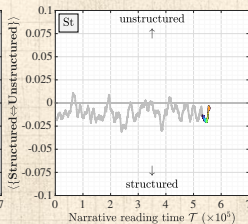
Correspondences

Nutshell

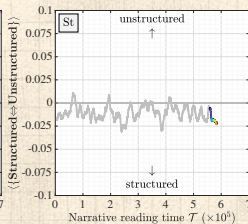
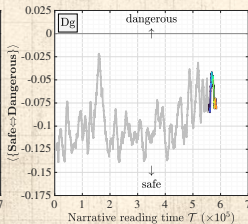
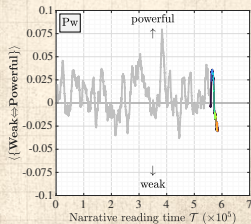
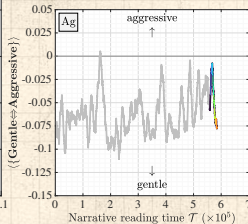
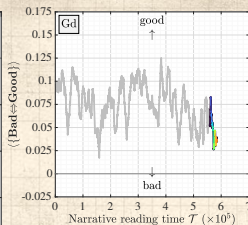
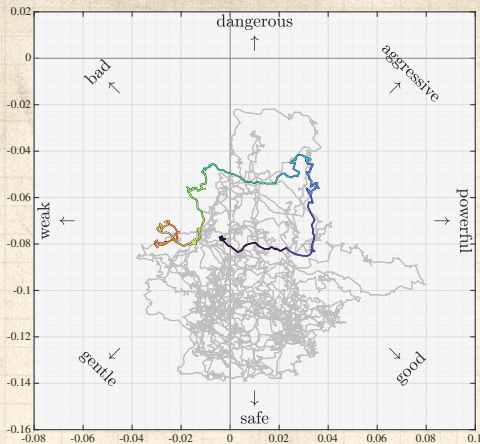
References



dangerous
murderous
murderer
assassinate
earthquake
killer
aggression
pissed
crucifixion
lurid
outburst
squander



"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

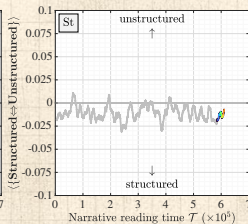
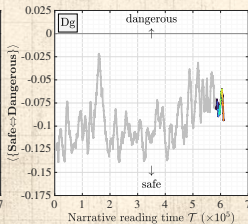
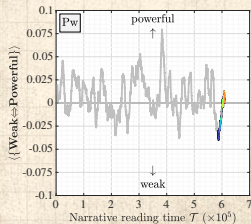
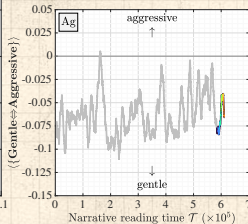
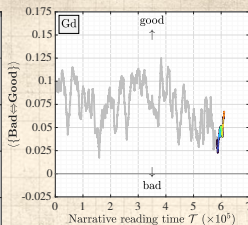
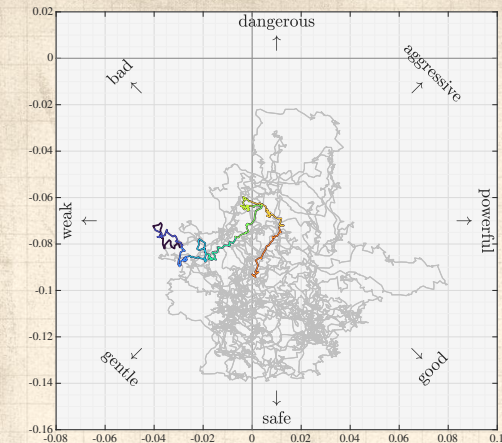
Correspondences

Nutshell

References



"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

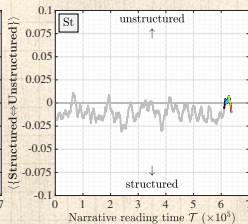
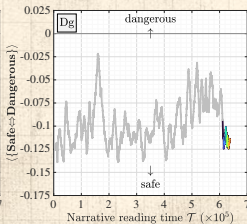
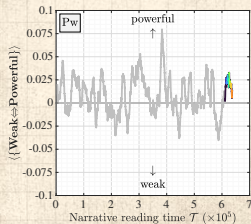
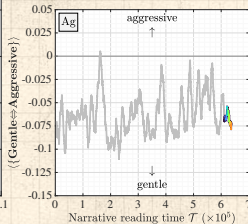
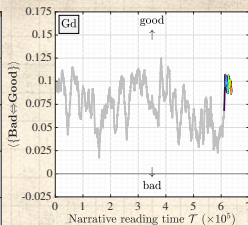
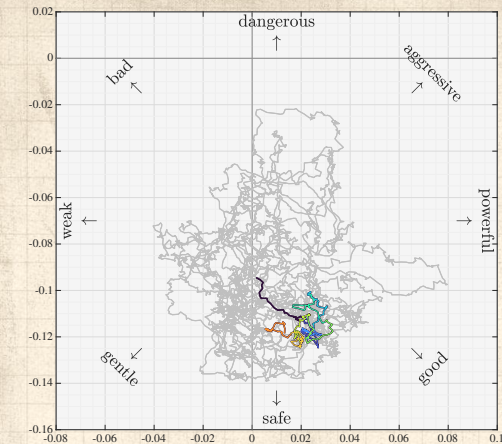
Correspondences

Nutshell

References



"Les Misérables" by Victor Hugo (English translation)



The PoCServe
Ousiometrics
109 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

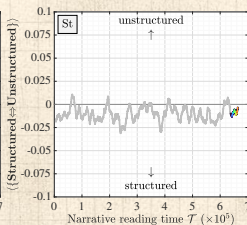
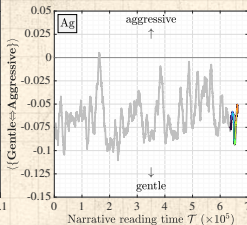
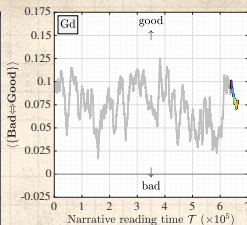
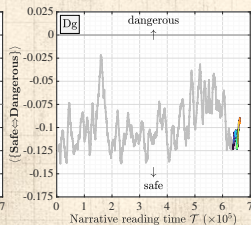
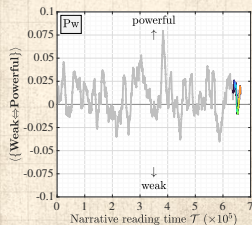
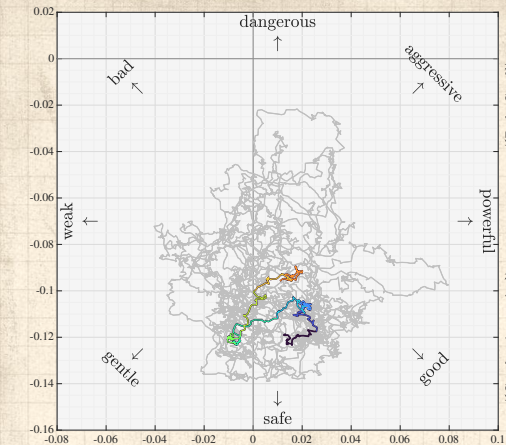
Correspondences

Nutshell

References



"Les Misérables" by Victor Hugo (English translation)



The PoCVerse
Ousiometrics
109 of 129

Measuring essential
meaning

History
Definitions
Emotions
Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms
Dimension names

Safety bias

Applications

The Ousiometer
Correspondences
Nutshell

References



Outline

Extremousonyms

Dimension names

Applications

Correspondences

The PoCSverse

Ousiometrics

110 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

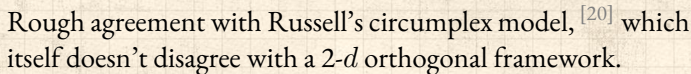
The Ousimeter

Correspondences

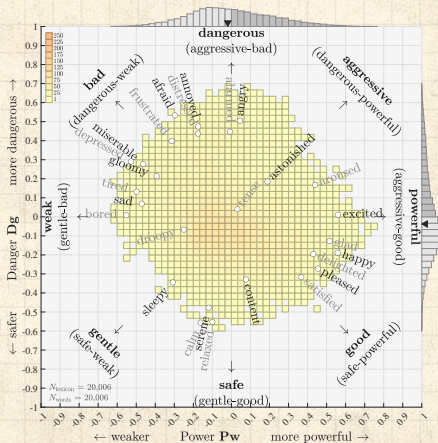
Nutshell

References





B. Russell's affect words in DAPG framework:



Synonyms	Valence	Arousal	Dominance	Goodness	Aggression	Structure	Power	Danger	Structure
happy	0.50	0.24	0.27	0.53	0.26	0.18	0.57	-0.16	0.18
delighted	0.44	0.16	0.18	0.44	0.17	0.17	0.44	-0.18	0.17
excited	0.41	0.43	0.21	0.39	0.40	0.29	0.56	0.04	0.29
astounded	0.01	0.28	0.07	0.00	0.27	0.10	0.18	0.19	0.10
aroused	0.21	0.45	0.17	0.19	0.43	0.23	0.43	0.19	0.23
tense	-0.10	-0.06	0.15	-0.01	0.05	-0.19	0.03	0.04	-0.19
alarmed	-0.31	0.32	-0.01	-0.32	0.31	0.03	-0.03	0.45	0.03
angry	-0.38	0.33	0.10	-0.33	0.39	-0.07	0.02	0.51	-0.07
afraid	-0.49	0.28	-0.26	-0.59	0.17	0.09	-0.32	0.52	0.09
annoyed	-0.40	0.28	-0.16	-0.46	0.21	0.07	-0.19	0.47	0.07
distressed	-0.36	0.27	-0.18	-0.43	0.19	0.10	-0.19	0.43	0.10
frustrated	-0.42	0.15	-0.25	-0.50	0.06	0.05	-0.33	0.38	0.05
miserable	-0.44	-0.04	-0.31	-0.52	-0.13	-0.02	-0.47	0.26	-0.02
sad	-0.28	-0.17	-0.35	-0.38	-0.28	0.02	-0.47	0.05	0.02
gloomy	-0.39	-0.09	-0.21	-0.43	-0.13	-0.09	-0.40	0.20	-0.09
depressed	-0.48	-0.05	-0.36	-0.58	-0.17	-0.01	-0.54	0.27	-0.01
bored	-0.35	-0.33	-0.30	-0.40	-0.38	-0.14	-0.55	-0.02	-0.14
droopy	-0.06	-0.15	-0.20	-0.13	-0.22	0.03	-0.25	-0.08	0.03
tired	-0.38	-0.18	-0.31	-0.45	-0.26	-0.07	-0.50	0.11	-0.07
sleepy	0.10	-0.37	-0.25	0.03	-0.46	0.02	-0.29	-0.36	0.02
calm	0.37	-0.40	-0.22	0.28	-0.51	0.11	-0.14	-0.56	0.11
relaxed	0.36	-0.41	-0.12	0.32	-0.46	0.03	-0.08	-0.56	0.03
satisfied	0.46	0.01	0.18	0.48	0.04	0.10	0.38	-0.30	0.10
at ease	—	—	—	—	—	—	—	—	—
ease	0.30	-0.11	-0.01	0.27	-0.15	0.09	0.10	-0.29	0.09
content	0.26	-0.20	0.06	0.29	-0.18	-0.03	0.09	-0.33	-0.03
serene	0.30	-0.37	-0.13	0.25	-0.42	0.03	-0.10	-0.48	0.03
glad	0.44	0.26	0.24	0.45	0.27	0.19	0.52	-0.10	0.19
pleased	0.44	0.05	0.29	0.51	0.13	0.03	0.47	-0.25	0.03

Ousiometrics: Dangerous and Weak

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremouslyonyms

Dimension names

Safety bias

Applications

The Ousiometer

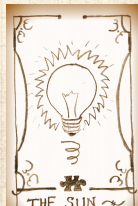
Correspondences

Nutshell

References



Orthogonal frames in political rhetoric.



Outline

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References

The PoCVerse

Ousiometrics

117 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Findings, observations, possibilities:



Power-danger-structure framework emerges in distinct settings, fitting types and tokens.

The PoCSverse

Ousiometrics

118 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousimeter

Correspondences

Nutshell

References



Findings, observations, possibilities:



Power-danger-structure framework emerges in distinct settings, fitting types and tokens.



Safety bias of communication refines Pollyanna Principle of positivity.

The PoCverse

Ousiometrics

118 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



- Power-danger-structure framework emerges in distinct settings, fitting types and tokens.
- Safety bias of communication refines Pollyanna Principle of positivity.
- Full circumplex model is GPADS:
Goodness, Power, Aggression, Danger, Structure.

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ouslometer

Correspondences

Nutshell

References



Findings, observations, possibilities:

- Power-danger-structure framework emerges in distinct settings, fitting types and tokens.
- Safety bias of communication refines Pollyanna Principle of positivity.
- Full circumplex model is GPADS:
Goodness, Power, Aggression, Danger, Structure.
- Happiness/Goodness/Wisdom = Power + Safety
- An essential question of others: “Are you safe?”

The PoCServe
Ousiometrics
118 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Findings, observations, possibilities:

- Power-danger-structure framework emerges in distinct settings, fitting types and tokens.
- Safety bias of communication refines Pollyanna Principle of positivity.
- Full circumplex model is GPADS:
Goodness, Power, Aggression, Danger, Structure.
- Happiness/Goodness/Wisdom = Power + Safety
- An essential question of others: “Are you safe?”
- GPADS circumplex framework: A compass for evolution and survival.

The PoCServe
Ousiometrics
118 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Findings, observations, possibilities:

- Power-danger-structure framework emerges in distinct settings, fitting types and tokens.
- Safety bias of communication refines Pollyanna Principle of positivity.
- Full circumplex model is GPADS:
Goodness, Power, Aggression, Danger, Structure.
- Happiness/Goodness/Wisdom = Power + Safety
- An essential question of others: “Are you safe?”
- GPADS circumplex framework: A compass for evolution and survival.
- Possible: Telegnomics for stories—Measuring character arcs, plots.

The PoCVerse
Ousiometrics
118 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Findings, observations, possibilities:

- Power-danger-structure framework emerges in distinct settings, fitting types and tokens.
- Safety bias of communication refines Pollyanna Principle of positivity.
- Full circumplex model is GPADS:
Goodness, Power, Aggression, Danger, Structure.
- Happiness/Goodness/Wisdom = Power + Safety
- An essential question of others: “Are you safe?”
- GPADS circumplex framework: A compass for evolution and survival.
- Possible: Telegnomics for stories—Measuring character arcs, plots.
- Ousiometer can be improved and refined. Replaces Hedonometer.

The PoCVerse
Ousiometrics
118 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Findings, observations, possibilities:

- Power-danger-structure framework emerges in distinct settings, fitting types and tokens.
- Safety bias of communication refines Pollyanna Principle of positivity.
- Full circumplex model is GPADS:
Goodness, Power, Aggression, Danger, Structure.
- Happiness/Goodness/Wisdom = Power + Safety
- An essential question of others: “Are you safe?”
- GPADS circumplex framework: A compass for evolution and survival.
- Possible: Telegnomics for stories—Measuring character arcs, plots.
- Ousiometer can be improved and refined. Replaces Hedonometer.
- Essential meaning is a complement to information theory which is meaning-free. [23]

The PoCVerse
Ousiometrics
118 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Findings, observations, possibilities:

- Power-danger-structure framework emerges in distinct settings, fitting types and tokens.
- Safety bias of communication refines Pollyanna Principle of positivity.
- Full circumplex model is GPADS:
Goodness, Power, Aggression, Danger, Structure.
- Happiness/Goodness/Wisdom = Power + Safety
- An essential question of others: “Are you safe?”
- GPADS circumplex framework: A compass for evolution and survival.
- Possible: Telegnomics for stories—Measuring character arcs, plots.
- Ousiometer can be improved and refined. Replaces Hedonometer.
- Essential meaning is a complement to information theory which is meaning-free. [23]
- See concluding remarks in version 2 of the arxiv preprint. 

The PoCVerse
Ousiometrics
118 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

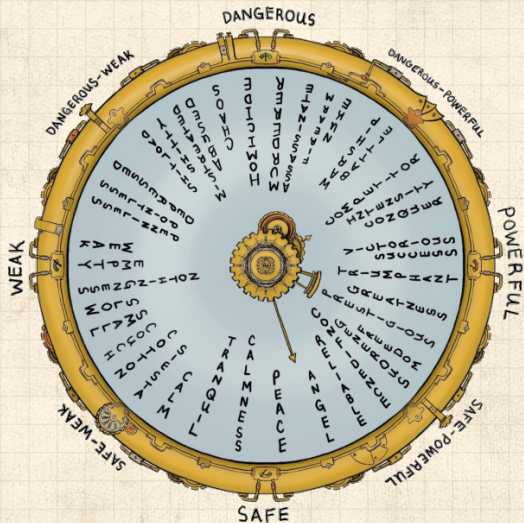
Correspondences

Nutshell

References



The Compass of Meaning:



The PoCVerse
Ousiometrics
119 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



Online appendices: Paper(s), flipbooks, code, ...

<https://storylab.w3.uvm.edu/ousiometrics>

Troy and Abed



Abed's Uncontrollable Christmas, S2E11 of Community

The PoCverse
Ousiometrics
120 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousionyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



References I

- [1] T. Alshaabi, J. L. Adams, M. V. Arnold, J. R. Minot, D. R. Dewhurst, A. J. Reagan, C. M. Danforth, and P. S. Dodds. Storywrangler: A massive exploratorium for sociolinguistic, cultural, socioeconomic, and political timelines using Twitter.

[Science Advances](#), 7(29):eabe6534, 2021. pdf ↗

- [2] I. Bakker, T. Van Der Voordt, P. Vink, and J. De Boon. Pleasure, arousal, dominance: Mehrabian and Russell revisited.

[Current Psychology](#), 33:405–421, 2014. pdf ↗

- [3] D. Beeferman, W. Brannon, and D. Roy. RadioTalk: A large-scale corpus of talk radio transcripts.

[arXiv preprint arXiv:1907.07073](#), 2019. pdf ↗

The PoCVerse

Ousiometrics

121 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



References II

- [4] M. M. Bradley and P. J. Lang.
Affective norms for English words (ANEW): Stimuli,
instruction manual and affective ratings.
Technical report c-1, University of Florida, Gainesville, FL,
1999.
- [5] P. S. Dodds, T. Alshaabi, M. I. Fudolig, J. W. Zimmerman,
J. Lovato, S. Beaulieu, J. R. Minot, M. V. Arnold, A. J.
Reagan, and C. M. Danforth.
Ousiometrics: The essence of meaning aligns with a
power-danger-structure framework instead of
valence-arousal-dominance.
Science Advances, 12(9):eadr4039, 2026.
arXiv version: <https://arxiv.org/abs/2110.06847>.pdf

The PoCVerse

Ousiometrics

122 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



References III

- [6] G. Grand, I. A. Blank, F. Pereira, and E. Fedorenko.
Semantic projection recovers rich human knowledge of
multiple object features from word embeddings.
Nature Human Behaviour, 6(7):975–987, 2022. pdf ↗
- [7] T. J. Gray, C. M. Danforth, and P. S. Dodds.
Hahahahaha, Duuuuude, Yeeessss!: A two-parameter
characterization of stretchable words and the dynamics of
mistypings and misspellings, 2019.
Available online at <https://arxiv.org/abs/1907.03920>. pdf ↗
- [8] D. R. Heise.
Semantic differential profiles for 1,000 most frequent English
words.
Psychological Monographs: General and Applied, 79(8):1,
1965. pdf ↗

The PoCVerse
Ousiometrics
123 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



References IV

- [9] A. Mehrabian and J. A. Russell.
An Approach to Environmental Psychology.
MIT Press, 1974.
- [10] A. Mehrabian and J. A. Russell.
The basic emotional impact of environments.
Perceptual and Motor Skills, 38:283–301, 1974. pdf ↗
- [11] J.-B. Michel, Y. K. Shen, A. P. Aiden, A. Veres, M. K. Gray,
The Google Books Team, J. P. Pickett, D. Hoiberg,
D. Clancy, P. Norvig, J. Orwant, S. Pinker, M. A. Nowak,
and E. A. Lieberman.
Quantitative analysis of culture using millions of digitized
books.
Science Magazine, 331:176–182, 2011. pdf ↗

The PoCVerse

Ousiometrics

124 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



References V

[12] S. M. Mohammad.

Obtaining reliable human ratings of valence, arousal, and dominance for 20,000 English words.

In Proceedings of The Annual Conference of the Association for Computational Linguistics (ACL), pages 174–184.

Association for Computational Linguistics, 2018. pdf ↗

[13] S. M. Mohammad.

Word affect intensities.

In Proceedings of the 11th Edition of the Language Resources and Evaluation Conference (LREC-2018), Miyazaki, Japan, 2018. European Language Resources Association (ELRA). pdf ↗

[14] F. Moretti.

Distant Reading.

Verso, New York, 2013.

The PoCverse

Ousiometrics

125 of 129

Measuring essential meaning

History

Definitions

Emotions

Revisiting the Revisiting of the Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



dangerous
murderess
toxic
chaos
killer
aggression
pissed
crucifixion
lurid
outburst
squander

- [15] C. Osgood, G. Suci, and P. Tannenbaum.
The Measurement of Meaning.
University of Illinois, Urbana, IL, 1957.
- [16] E. A. Pechenick, C. M. Danforth, and P. S. Dodds.
Characterizing the Google Books corpus: Strong limits to
inferences of socio-cultural and linguistic evolution.
PLoS ONE, 10:e0137041, 2015. pdf 
- [17] C. S. S. Peirce.
Prolegomena to an apology for pragmatism.
The Monist, 16(4):492–546, 1906. pdf 

References VIII

[21] E. Sandhaus.

The New York Times Annotated Corpus.

Linguistic Data Consortium, Philadelphia, 2008.

Available online at: <https://doi.org/10.35111/77ba-9x74>.

[22] I. Semenov.

Wikipedia word frequency, 2019.

[https:](https://github.com/IlyaSemenov/wikipedia-word-frequency)

[//github.com/IlyaSemenov/wikipedia-word-frequency](https://github.com/IlyaSemenov/wikipedia-word-frequency),
accessed 2021/04/02.

[23] C. E. Shannon.

A mathematical theory of communication.

[The Bell System Tech. J.](#), 27:379–423,623–656, 1948. pdf ↗

The PoCVerse

Ousiometrics

128 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremousonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References



References IX

[24] L. M. Solomon.

A factorial study of complex auditory stimuli (passive sonar sounds).

Unpublished Doctoral Dissertation, University of Illinois,
1954. pdf 

[25] W. M. Wundt.

Grundriss der Psychologie.
Kröner, 1922.

The PoCVerse

Ousiometrics

129 of 129

Measuring essential
meaning

History

Definitions

Emotions

Revisiting the Revisiting of the
Measuring of Meaning

Problems

Remeasuring meaning

Ousiograms

Extremosonyms

Dimension names

Safety bias

Applications

The Ousiometer

Correspondences

Nutshell

References

