

Archetypometrics: Characters and traits across the multi-storyverse

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Principles of Complex Systems, Vols. 1, 2, 3D, 4 Fouever, V for Vendetta

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The science of stories:



- Stories matter: Homo narrativus
- Stories are fundamental to how people comprehend, explain, and potentially shape their lives, the lives of others, and the world.
- Stories are about survival: Power and danger.

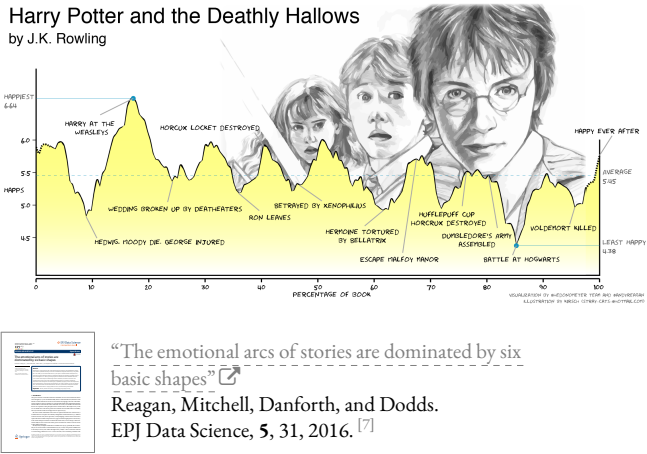
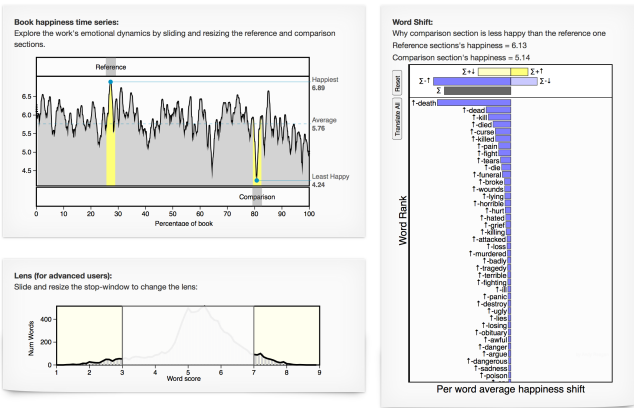
Some questions:

- How do we measure¹ stories at scale?
- What is the space of all stories?
- How does story space vary across time and culture?

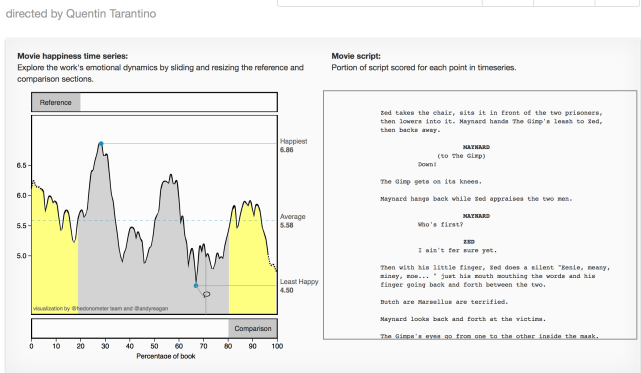
¹accurately, properly, meaningfully, scientifically

Online, interactive Emotional Shapes of Stories for 10,000+ books:

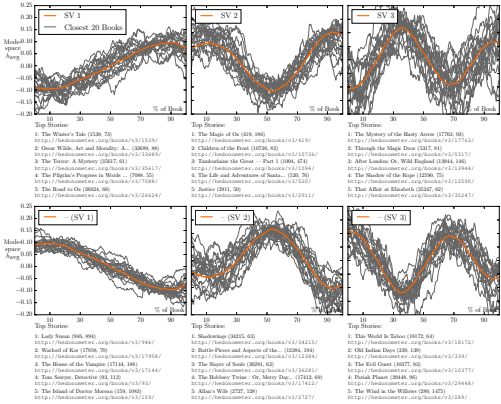
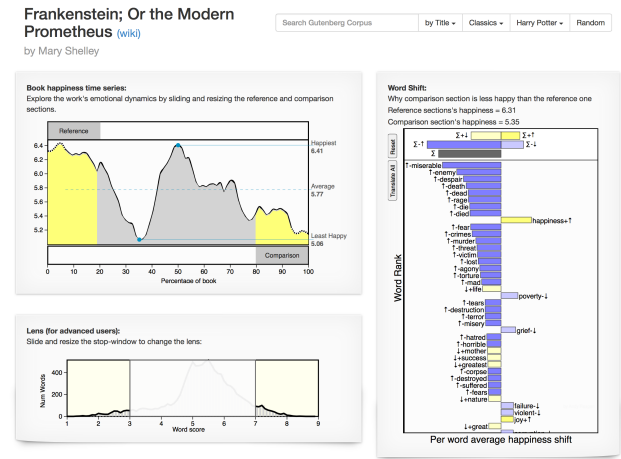
Harry Potter (all books together)
by J.K. Rowling



Online, interactive Emotional Shapes of Stories for 1,000+ movie scripts:
Pulp Fiction



Online, interactive Emotional Shapes of Stories for 10,000+ books:



Six basic shapes: Rags-to-Riches, Man-in-a-hole, Cinderella, Tragedy, Icarus, Oedipus.

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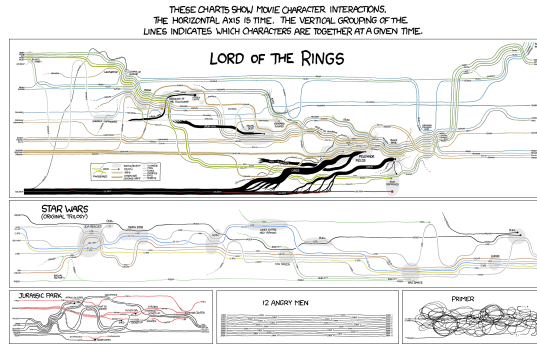
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"So, in writing, there are six basic plots, and their sequels and derivative franchises."

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But: Emotional arcs are not plots.
Plots = Temporal interaction networks of characters with environments, events. [6]



<https://xkcd.com/657/>

Stories make us do all kinds of things:

The Comet Ping Pong Gunman Answers Our Reporter's Questions:



"According to court documents, Mr. Welch said he had come armed to help rescue the children."
"The intel on this wasn't 100 percent," he said.
He said he did not believe in conspiracy theories, but then added that the Sept. 11, 2001, attacks needed to be re-examined. He has listened to Alex Jones, whose radio show traffics in conspiracy theories and who once said that Mrs. Clinton "has personally murdered and chopped up" children. "He's a bit eccentric," Mr. Welch said. "He touches on some issues that are viable but goes off the deep end on some things."

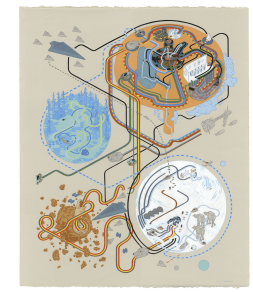
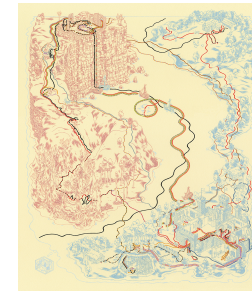
Framing:

- Stories = Characters + Time.
- Implicit:
Interactions, Context, Environment, and Events.
- With more words:
Stories = Characters + Stage + Events
+ Interactions + Time.
- Stories are emergent.
- Equation-like:
Characters = Stories — Time
- And is a general conception of everything:
 - Partial differential equations (fluids)
 - All sports
 - Ecological systems
 - The Universe

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"Plotted: A Literary Atlas" by Andrew DeGraff (2015). [2]



<http://www.andrewdegraff.com/moviemaps/>

The Attack on the United States Capitol



Photo: Evelyn Hockstein for The Washington Post

Washington Post's massive analysis
Red Flags, Bloodshed, Contagion

Senate Chaplain Barry Black:

"These tragedies have reminded us that words matter, and that the power of life and death is in the tongue."

Characters are shortcuts to stories.

Given characters, predict/create possible histories/stories.

Characters¹ Matter because Character² Matters.

¹Fictional

²Real

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How to understand something like this?

In the basement
of a pizzeria,
Hillary Clinton
murders babies

Answer: Character

Because Hillary Clinton is a **Demon**

Book (story) burning (451 °F)



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What’s the space of fictional characters?

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https://www.tomgauld.com

Who is Pratchett the Cat?



The Open-Source Psychometrics Project:

<https://openpsychometrics.org>

Fictional characters most like Pratchett the Cat:

1. Elizabeth Swann/ (Pirates of the Caribbean): 83%

2. Daenerys Targaryen/ (Game of Thrones): 82%

3. Margaery Tyrell/ (Game of Thrones): 82%

4. Francisco d'Anconia/ (Atlas Shrugged): 82%

5. Dr. Hannibal Lecter/ (Hannibal): 82%

6. Audrey Horne/ (Twin Peaks): 81%

7. Princess Anna Karenina/ (Anna Karenina): 81%

8. Danny Ocean/ (Ocean's 11): 81%

9. Ragnar Lothbrok/ (Vikings): 81%

10. Olenna Tyrell/ (Game of Thrones): 80%

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“Heroes, villains and fools, as agents of social control”
Orrin E. Klapp,
American Sociological Review, **19**, 56–62, 1954. [5]

One may begin with the observation that epithets are sanctions indicating social approval or disapproval, and that many of these, especially the strongest, can be rather readily classified into three generic categories. For instance, a daredevil might be called a hare-brained fool, a criminal endangering the lives of others, or a fearless superman. Some indication of the categories of epithet likely to be applied to extreme deviants is perhaps given by the following lists:

Hero	Villain	Fool
underdog	bully	crackpot
chump	bar	tattle
lug	cheat	simpson
liar	thief	clown
stunt operator	truster	claspate
Robin Hood	two-stirer	slowhand
father-of-bird	bad singer	butterfinger
country	rust	cut
preposter	gadler	ye-man
emancipator	big-time	scolder
be-man	dictator	Mutt
case law	bluebird	Happy Hoopla
Slide Bin	Fu Manchu	Simon Legree
Lane Ranger	Supremes	Sul Stick

Statistical 'Which Character' Personality Quiz

This is an interactive personality quiz that will match you to fictional characters on similarity of description.

Background

When the creator of this website would tell people that he published persons people would usually say how if he meant that he worked as himself and on their "Yits personality quizzes. And he would have to explain that he did not and had never been that type of test. These quizzes are very fun, as evidenced by their extreme popular meaningful, two people who get the same result on a typical example of these tests much more in common than two randomly paired individuals. So for the longest ten one character match personality quiz, but I guess it was inevitable because here is more scientific, but still only "Which Character Are You?" test.

This test was created by getting more than 3 million volunteers to des different adjective based scales. This created a database of descriptive ranges are compared against these profiles and the closest match at if this quiz works and was developed can be found [here](#). There is also a the bases of self-report, and a [glossary for coaches](#).

Test Instructions

The test is made up of pairs of adjectives with a slider between them. For each pair dragging the slider to where you fall on the spectrum between them. This test is select how many questions you want to do using the version option. The media recommended version is 185 seconds (~3 minutes).

Participation

This interactive program is provided for entertainment and informative psychological advice or a screening tool of any kind and comes without particular purpose.

At the end of the survey you will be asked for consent to include your agree your responses may be used and shared per the [website privacy policy](#)

Begin assessment

Use the slider to indicate where you fall on this spectrum:

juvenile (50%)

mature (50%)

frugal (23%)

lavish (77%)

social (81%)

reclusive (19%)

adventurous (76%)

stick-in-the-mud (24%)

haunted (100%)

blissful (0%)

orderly (23%)

chaotic (77%)

Fictional characters least like Pratchett the Cat:

1991. George Michael Bluth/ (Arrested Development): 21%

1992. Morty Smith/ (Rick and Morty): 21%

1993. Louis Tully/ (Ghostbusters): 21%

1994. Lenny/ (After Life): 21%

1995. Eric Forman/ (That 70's Show): 20%

1996. Milhouse Van Houten/ (The Simpsons): 19%

1997. Alan Harper/ (Two and a Half Men): 19%

1998. Pete Hornberger/ (30 Rock): 19%

1999. Chip Dove/ (Jennifer's Body): 17%

2000. Stuart Bloom/ (The Big Bang Theory): 16%

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“Zeroing in on heroes: A prototype analysis of hero features”
Kinsella, Ritchie, and Igou,
Journal of Personality and Social Psychology, **108**, 114, 2015. [4]

Note: Uses LIWC to evaluation positivity and negativity of words. It's not good people, it's not good.

Table 1 Features of Heroes, Sample Exemplars, Ratings in Study 2, and Frequency Generated in Study 1					
Features	Exemplars	n	M	SD	Frequencies
Control	Buoyant, valor	364	7.06	1.29	63
Naive	Fair, neutral	364	6.94	1.20	38
Moral integrity	Compassion, pity	363	6.90	1.29	34
Compassion	Protects, defends weak	352	6.68	1.45	15
Conviction	Dedication, loyal to cause	363	6.48	1.54	26
Honest	Trustful, honest	364	6.44	1.66	32
Altruistic	Acts for greater good	354	6.44	1.66	29
Self-sacrifice	Sacrifices	364	6.43	1.69	14
Suffering	Pain and self-interest	354	6.38	1.55	61
Determined	Poised, hardworking	364	6.16	1.76	16
Stress	Likewise, more	363	6.07	1.80	12
Impression	Admired by others, inspiring	353	6.06	1.69	26
Hipdip	Helping others, help	354	6.05	1.64	20
Periphrast	Buoyant, initiative	363	5.98	1.73	25
Proactive	Leadership, strength	364	5.95	1.84	22
Strong	Leadership, strength	364	5.91	1.91	9
Compassionate	Compassion, empathy	354	5.83	1.84	22
Kind-spirited	Willing to risk	354	5.72	1.84	8
Altruistic	Helps, wishes, unique	363	5.67	2.00	40
Humble	Not arrogant, modest	353	5.40	1.95	11
Practical	Practical, able to act	364	5.35	2.20	8
Caring	Compassion, care	352	5.22	1.92	25
Powerful	Power, powerful	354	5.08	2.07	8
Intelligent	Quick-minded, clever	351	4.95	1.92	16
Charming	Nice, great, above, and beyond	364	4.93	1.92	6
Persuasive	Nice, amiable, respectful	364	4.82	2.01	8

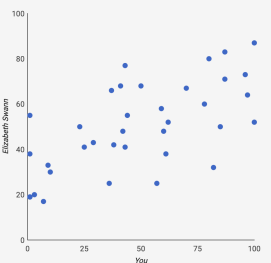
Note. Features are listed in order of Study 2 centrality ratings, using a scale from 1 (not at all related to heroes) to 9 (extremely related to heroes). Features rated above the median were classified as central, and those below the median as peripheral. Frequencies refer to the number of instances that participants in Study 1 described an identical exemplar, a semantically related exemplar, or a semantically related exemplar for each of the features (i.e., global features) of heroes.

The best match between the self assessment you provided and the profile of a fictional character as rated by other people who have taken this survey is the character Elizabeth Swann (Pirates of the Caribbean).



83% match

Your traits versus their traits are graphed below (click on points for labels).



Some fictional characters most like the Deliverator:

1. Ava/ (Ex Machina): 89%

2. Dolores Abernathy/ (Westworld): 87%

3. Dom Cobb/ (Inception): 86%

4. Maeve Millay/ (Westworld): 84%

5. Patrick Jane/ (The Mentalist): 84%

6. Wyldstyle/ (The Lego Movie): 84%

7. Daisy 'Skye' Johnson/ (Agents of S.H.I.E.L.D.): 84%

8. Black Widow/ (Marvel Cinematic Universe): 83%

9. Elizabeth Swann/ (Pirates of the Caribbean): 83%

10. Jason Bourne/ (The Bourne Identity): 83%

11. Mystique/ (X-Men): 83%

12. Juliana Crain/ (The Man in the High Castle): 83%

13. Arya Stark/ (Game of Thrones): 82%

14. Gamora/ (Marvel Cinematic Universe): 82%

15. Sherlock Holmes/ (Elementary): 82%

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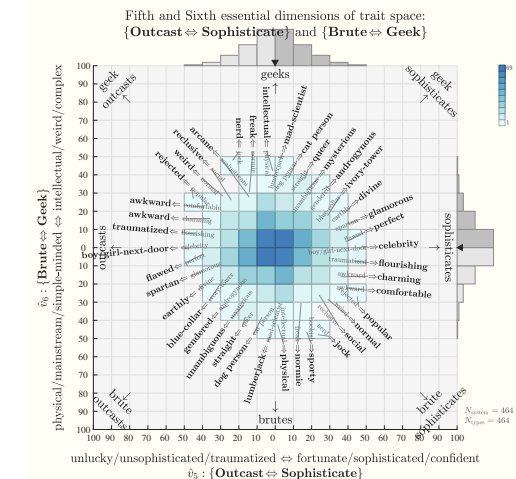
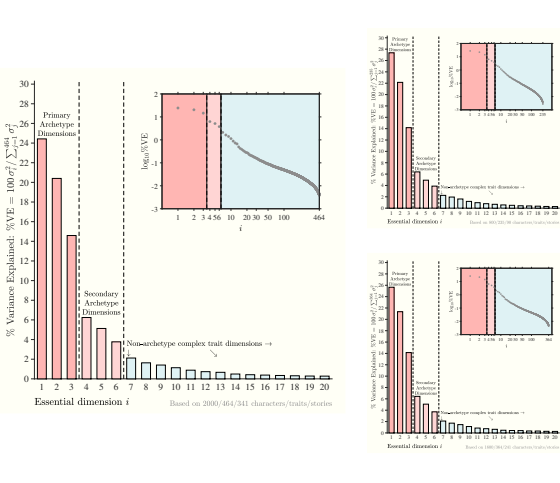
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Main data set:

- $N_{\text{chars}} = 2000$ characters
- $N_{\text{traits}} = 464$ traits (as semantic differentials)
- $N_{\text{stories}} = 341$ stories of Western literature, film, television

Analysis covers three fixed data sets from an expanding study:

- $N_{\text{chars}}/N_{\text{traits}}/N_{\text{stories}} = 800/235/90$
- $N_{\text{chars}}/N_{\text{traits}}/N_{\text{stories}} = 1600/365/241$
- $N_{\text{chars}}/N_{\text{traits}}/N_{\text{stories}} = 2000/464/341$



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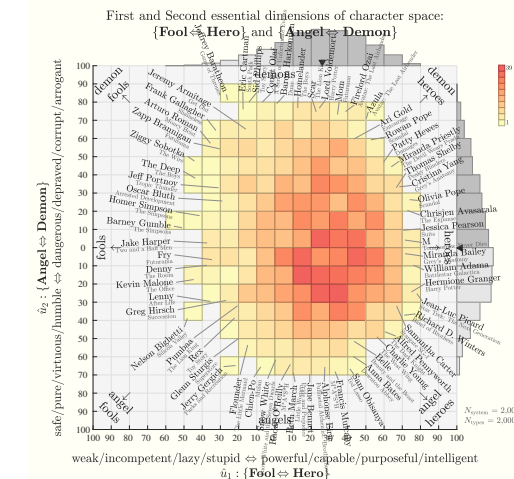
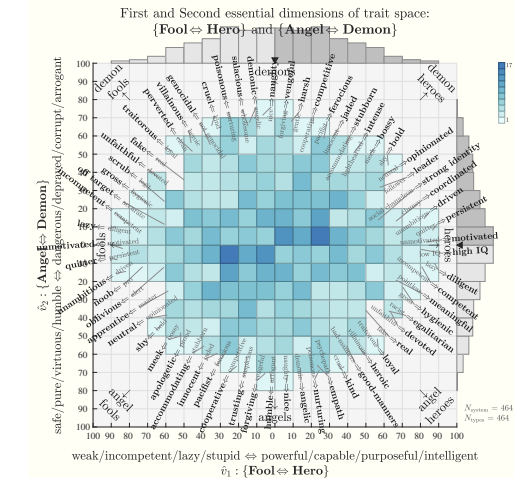
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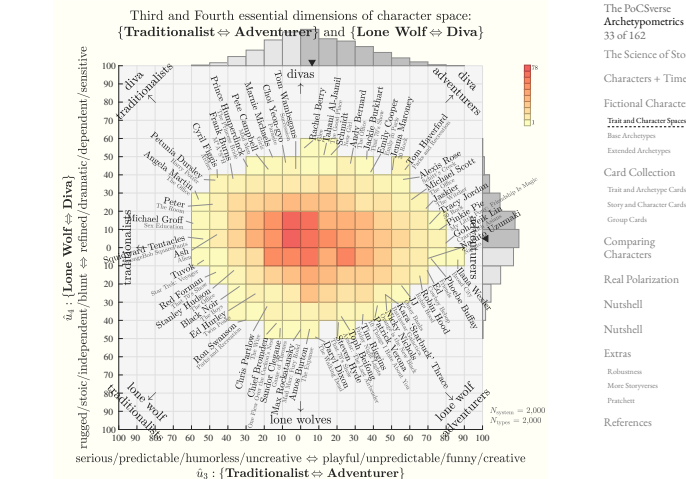
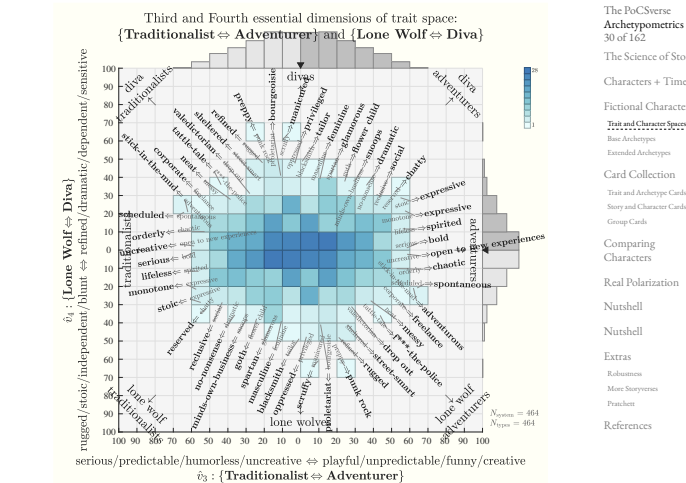
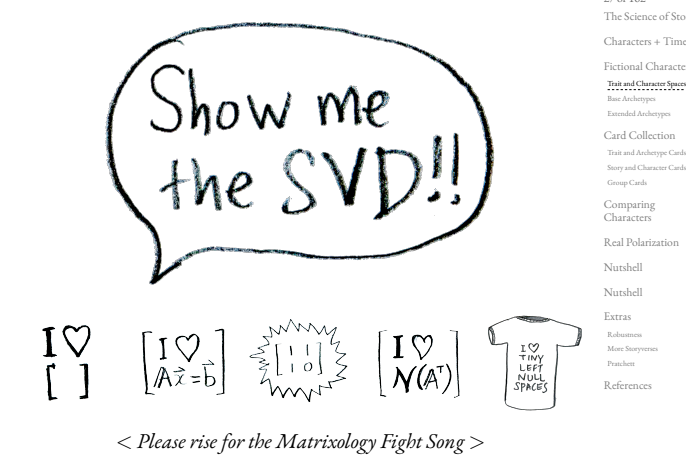
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Most extreme characters by character size:

Rank	Character	Storyverse	Size	First	Second	Third	Fourth	R^2_{Guth}
1.	Joffrey Baratheon/ Game of Thrones/	100.0	Fool/ (-1, 26.1/6.8%)	Divas/ (+4, 29.4/8.6%)	Demon/ (+2, 81.2/65.9%)			7.6
2.	Ilsa Wexler/ Broad City/	99.4	— (+14, 11.4/1.3%)	Demon/ (+2, 27.5/7.7%)	Adventurer/ (+3, 86.4/75.6%)			9.8
3.	Trickfoot Owl/ Avatar: The Last Airbender/	98.7	Traditionalist/ (-3, 30.8/9.7%)	Hero/ (+1, 38.8/15.4%)	Demon/ (+2, 74.8/57.4%)			7.2
4.	Logan Roy/ Succession/	98.2	Traditionalist/ (-3, 24.1/6.0%)	Hero/ (+1, 49.5/25.4%)	Demon/ (+2, 70.3/51.2%)			12.3
5.	Nurse Ratched/ One Flew Over the Cuckoo's Nest/	97.0	Hero/ (+1, 42.8/19.4%)	Demon/ (+2, 51.5/28.2%)	Traditionalist/ (-3, 55.6/32.8%)			46.9
6.	Tracy Jordan/ 30 Rock/	96.3	Fool/ (-1, 17.9/3.5%)	Demon/ (+2, 44.0/20.9%)	Adventurer/ (+3, 70.8/54.1%)			18.3
7.	Sid Phillips/ Toy Story/	95.6	Fool/ (-1, 14.3/2.2%)	Outcast/ (-5, 34.1/12.7%)	Demon/ (+2, 80.0/70.0%)			6.2
8.	Dolores Umbridge/ Harry Potter/	95.3	Traditionalist/ (-3, 36.1/14.4%)	Divas/ (+4, 36.9/15.0%)	Demon/ (+2, 65.8/47.7%)			11.2
9.	Azula/ Avatar: The Last Airbender/	95.2	— (+9, 13.4/2.0%)	Hero/ (+1, 50.2/27.8%)	Demon/ (+2, 70.9/55.4%)			8.1
10.	Tyvek/ Star Trek: Voyager/	94.7	Angel/ (-2, 17.7/3.3%)	Traditionalist/ (-3, 53.2/31.5%)	Hero/ (+1, 63.6/45.1%)			21.4
11.	Eric Cartman/ South Park/	94.4	— (+7, 19.7/4.3%)	Adventurer/ (+3, 28.9/9.4%)	Demon/ (+2, 76.0/64.8%)			6.9
12.	Malory Archer/ Archer/	94.4	Divas/ (+4, 23.4/6.1%)	Hero/ (+1, 41.8/19.6%)	Demon/ (+2, 64.0/55.7%)			11.5
13.	Gollum/ Lord of the Rings/	94.4	Fool/ (-1, 18.7/3.9%)	Outcast/ (-5, 50.3/28.4%)	Demon/ (+2, 61.8/42.9%)			17.9
14.	Jenna Maroney/ 30 Rock/	94.0	Divas/ (+4, 42.6/20.5%)	Adventurer/ (+3, 50.4/28.8%)	Demon/ (+2, 54.9/34.1%)			41.2
15.	Ron Swanson/ Parks and Recreation/	93.8	Traditionalist/ (-3, 30.1/10.3%)	Lone Wolf/ (-4, 39.8/18.0%)	Hero/ (+1, 55.5/35.0%)			8.1
16.	Man in Black/ Westworld/	93.4	— (+10, 15.2/2.7%)	Hero/ (+1, 43.8/22.0%)	Demon/ (+2, 71.2/58.1%)			17.7
17.	Sterling Archer/ Archer/	93.4	— (+11, 14.9/2.6%)	Adventurer/ (+3, 50.8/29.6%)	Demon/ (+2, 63.5/46.2%)			29.2
18.	Mr. Burns/ The Simpsons/	93.2	Hero/ (+1, 21.5/3.3%)	Traditionalist/ (-3, 38.3/13.0%)	Demon/ (+2, 72.2/59.9%)			7.5
19.	Lucille Bluth/ Arrested Development/	92.9	Hero/ (+1, 24.1/6.8%)	Divas/ (+4, 29.3/10.0%)	Demon/ (+2, 73.5/62.7%)			6.3
20.	Lord Voldemort/ Harry Potter/	92.6	— (-8, 22.7/6.0%)	Hero/ (+1, 24.4/6.9%)	Demon/ (+2, 76.7/68.5%)			9.9
21.	Darlene Snell/ Ozark/	92.6	— (-8, 26.7/8.3%)	Outcast/ (-5, 30.1/10.5%)	Demon/ (+2, 72.6/61.5%)			5.8
22.	Red Forman/ That 70's Show/	92.6	Demon/ (+2, 38.2/17.1%)	Hero/ (+1, 44.4/23.0%)	Traditionalist/ (-3, 46.5/25.3%)			4.6
23.	The Joker/ The Dark Knight/	92.5	Geek/ (+6, 27.9/9.1%)	Adventurer/ (+3, 45.5/24.1%)	Demon/ (+2, 60.8/43.3%)			13.7
24.	Frank Gallagher/ Shameless/	92.5	Fool/ (-1, 32.5/12.3%)	Adventurer/ (+3, 32.8/12.6%)	Demon/ (+2, 64.4/48.3%)			11.1
25.	Dr. Gregory House/ House, M.D./	92.0	Geek/ (+6, 22.1/5.8%)	Hero/ (+1, 37.4/16.5%)	Demon/ (+2, 65.5/50.6%)			10.8



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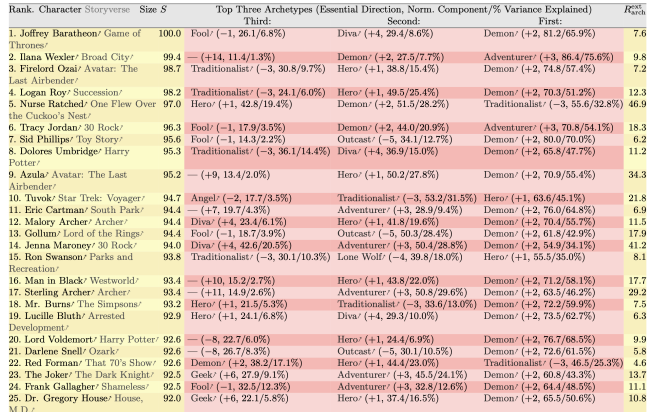
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Essential Character Dimension 1, $\hat{u}_1$
Major archetype dimension: {Fool $\leftrightarrow$ Hero}
{weak/incompetent/lazy/stupid $\leftrightarrow$ powerful/capable/purposeful/intelligent}

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- Extended archetypes:
- Allowing for mixtures of up to three archetypes, the possibilities are:

12 single archetypes

60 dual archetypes

160 triple archetypes

Adventurer-Demon/ (unpredictable-dangerous) = Chaos Agent.

Traditionalist-Demon-Hero/ (predictable-dangerous-powerful) = Tyrant

As before, all essential dimensions from 7 up/ are complex traits.
- | Most archetypal characters: | | | | | | |
|-----------------------------|---|----------|----------------|-----------------------------------|-------------------|------|
| Rank by R_{arch} | Character Story | Size S | Rank Archetype | % var. exp.: (β_1, β_2) | R_{arch} | |
| 1. | Raquel Munillo/ Money Heist/ | 55.8 | 1673 | Hero/ | (77.2, 1.4) | 56.4 |
| 2. | Tywin Lannister/ Game of Thrones/ | 90.0 | 49 | Traditionalist-Hero-Demon/ | (85.9, 1.5) | 56.4 |
| 3. | Jesper Fahey/ Shadow and Bone/ | 81.3 | 264 | Adventurer/ | (80.6, 1.5) | 55.2 |
| 4. | Charlie Young/ The West Wing/ | 81.4 | 257 | Angel-Hero/ | (83.4, 1.7) | 49.7 |
| 5. | Nurse Ratched/ One Flew over the Cuckoo's Nest/ | 87.0 | 5 | Hero-Demon-Traditionalist/ | (79.5, 1.7) | 46.9 |
| 6. | Cho Sang-woo/ Squid Game/ | 75.2 | 554 | Demon-Hero-Traditionalist/ | (75.7, 1.6) | 46.7 |
| 7. | Obi-Wan Kenobi/ Star Wars: Revenge of the Sith/ | 76.2 | 505 | Angel-Hero/ | (80.2, 1.8) | 45.8 |
| 8. | Elmor Dashwood/ Sense and Sensibility/ | 78.1 | 415 | Traditionalist-Angel-Hero/ | (80.8, 1.9) | 41.5 |
| 9. | Jenna Maroney/ 30 Rock/ | 94.0 | 14 | Divs-Adventurer-Demon/ | (82.6, 2.0) | 41.2 |
| 10. | Will Byers/ Stranger Things/ | 64.1 | 1229 | Geek-Outcast-Angel/ | (76.1, 2.0) | 38.9 |
| 11. | Doc/ Baby Driver/ | 74.7 | 593 | Traditionalist-Demon-Hero/ | (82.7, 2.1) | 38.7 |
| 12. | Patty Hewes/ Damages/ | 86.0 | 124 | Demon-Hero/ | (77.3, 2.1) | 37.7 |
| 13. | Kate Beckett/ Castle/ | 77.1 | 465 | Hero/ | (84.0, 2.3) | 36.8 |
| 14. | Bender/ Futurama/ | 90.5 | 43 | Adventurer-Demon/ | (78.5, 2.1) | 36.7 |
| 15. | Annie Porter/ Speed/ | 60.9 | 1412 | Hero-Angel-Adventurer/ | (73.1, 2.1) | 35.3 |
| 16. | Regina Mills/ Once Upon a Time/ | 77.8 | 425 | Demon-Hero/ | (77.8, 2.2) | 35.0 |
| 17. | Alexander Conklin/ The Bourne Identity/ | 74.4 | 614 | Hero-Traditionalist-Demon/ | (80.0, 2.3) | 34.9 |
| 18. | Kathryn Janeway/ Star Trek: Voyager/ | 80.9 | 285 | Hero/ | (76.2, 2.2) | 34.8 |
| 19. | Azulay/ Avatar: The Last Airbender/ | 95.2 | 9 | Hero-Demon/ | (80.9, 2.4) | 34.3 |
| 20. | Marmee March/ Little Women/ | 73.1 | 688 | Hero-Angel/ | (81.4, 2.4) | 33.7 |
| 21. | Amy March/ Little Women/ | 51.0 | 1860 | Adventurer-Diva-Hero/ | (72.5, 2.2) | 33.5 |
| 22. | Agent Smith/ The Matrix/ | 85.6 | 140 | Traditionalist-Hero-Demon/ | (79.6, 2.4) | 33.1 |
| 23. | Rogelio De La Vega/ Jane the Virgin/ | 75.9 | 520 | Diva-Adventurer/ | (74.2, 2.2) | 33.1 |
| 24. | Olaf/ Frozen/ | 89.8 | 55 | Angel-Adventurer/ | (77.1, 2.3) | 33.0 |
| 25. | Hwang Jun-ho/ Squid Game/ | 64.6 | 1196 | Hero/ | (72.3, 2.3) | 32.1 |
- | Archetype Class (#Characters) | #Strong Archetypes | #Moderate Archetypes | Paragon Max (Size S, Rank) R_{arch} |
|---|--------------------|----------------------|--|
| C. Triple major archetype classes (21-70) | | | |
| 21. Geek-Angel-Heroes/ (13) | 5 (38.5%) | 6 (46.2%) | Ariadne/ Inception/ (59.7, 1469) 16.5 |
| 22. Outcast-Adventurer-Heroes/ (10) | 5 (50.0%) | 3 (30.0%) | Charlie Kelly/ It's Always Sunny in Philadelphia/ (85.9, 127) 21.4 |
| 23. Diva-Adventurer-Angels/ (13) | 5 (38.5%) | 7 (53.8%) | Jeon Day/ New Girl/ (82.5, 228) 17.6 |
| 24. Diva-Traditionalist-Demons/ (18) | 5 (27.8%) | 8 (44.4%) | Samuel Norton/ The Shawshank Redemption/ (85.7, 138) 15.1 |
| 25. Outcast-Diva-Angels/ (24) | 5 (20.8%) | 13 (54.2%) | Peter/ The Land Before Time/ (67.5, 1038) 14.9 |
| 26. Brute-Outcast-Demons/ (12) | 5 (41.7%) | 6 (50.0%) | Nick Sabotta/ The Wire/ (56.2, 1658) 23.2 |
| 27. Adventurer-Demon-Fools/ (12) | 4 (33.3%) | 6 (50.0%) | Myrtle Wilson/ The Great Gatsby/ (67.7, 1017) 12.1 |
| 28. Lone Wolf-Demon-Heroes/ (31) | 4 (12.9%) | 24 (77.4%) | Rosa Diaz/ Brooklyn Nine-Nine/ (81.8, 245) 29.3 |
| 29. Geek-Adventurer-Heroes/ (16) | 4 (25.0%) | 5 (31.2%) | Ambrose Spellman/ Chilling Adventures of Sabrina/ (64.1, 1227) 17.0 |
| 30. Lone Wolf-Adventurer-Demons/ (14) | 4 (28.6%) | 8 (57.1%) | Carl Gallagher/ Shameless/ (65.1, 1167) 16.0 |
| 31. Outcast-Traditionalist-Angels/ (13) | 4 (30.8%) | 8 (61.5%) | Evann/ Superbad/ (66.9, 1076) 13.0 |
| 32. Brute-Adventurer-Demons/ (11) | 4 (36.4%) | 4 (36.4%) | Ruff/ West Side Story/ (65.1, 1169) 23.0 |
| 33. Brute-Lone Wolf-Heroes/ (11) | 4 (36.4%) | 5 (45.5%) | Rip Wheeler/ Yellowstone/ (84.9, 157) 14.6 |
| 34. Brute-Outcast-Angels/ (9) | 4 (44.4%) | 4 (44.4%) | Sancho Panza/ Don Quixote/ (60.0, 1451) 23.0 |
| 35. Sophisticate-Angel-Heroes/ (4) | 3 (75.0%) | 1 (25.0%) | Princess Celestia/ My Little Pony: Friendship Is Magic/ (84.6, 166) 23.9 |
| 36. Outcast-Traditionalist-Demons/ (7) | 3 (42.9%) | 2 (28.6%) | Stannis Baratheon/ Game of Thrones/ (69.0, 938) 19.3 |
| 37. Brute-Adventurer-Angels/ (9) | 3 (33.3%) | 5 (55.6%) | Sam Evans/ Glee/ (63.6, 1250) 17.5 |
| 38. Outcast-Lone Wolf-Heroes/ (14) | 4 (28.6%) | 7 (50.0%) | Fern/ Normal Heart/ (65.0, 1172) 13.8 |
| 39. Geek-Outcast-Heroes/ (12) | 3 (25.0%) | 5 (41.7%) | Viktor/ Arcane/ (71.0, 816) 18.1 |
| 40. Geek-Outcast-Angels/ (7) | 3 (42.9%) | 4 (57.1%) | Will Byers/ Stranger Things/ (64.1, 1229) 38.9 |
| 41. Lone Wolf-Adventurer-Heroes/ (11) | 2 (18.2%) | 9 (81.8%) | Hakoda/ Avatar: The Last Airbender/ (68.9, 940) 16.8 |
| 42. Outcast-Demon-Heroes/ (11) | 2 (18.2%) | 8 (72.7%) | Dennis Nedry/ Jurassic Park/ (78.9, 381) 16.1 |
| 43. Outcast-Angel-Fools/ (8) | 2 (25.0%) | 6 (75.0%) | Alfredo Linguini/ Ratatouille/ (65.6, 1141) 16.3 |
| 44. Lone Wolf-Traditionalist-Heroes/ (5) | 2 (40.0%) | 2 (40.0%) | Mike Ehrmantraut/ Breaking Bad/ (80.5, 296) 19.0 |
| 45. Outcast-Adventurer-Heroes/ (17) | 2 (11.8%) | 12 (70.6%) | John Connor/ Terminator 2: Judgement Day/ (53.7, 1777) 10.3 |
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- Realized archetypes:

A character's archetype ratio R_{arch} is the ratio of the variance explained by their first and second dimensions.

For each of the 232 extended archetypes, transform coordinates to determine R_{arch} .

A character is a major archetype if $R_{\text{arch}} \geq 10$.

A character is a minor archetype if $5 \leq R_{\text{arch}} < 10$.

A character is a weak archetype if $R_{\text{arch}} < 5$.

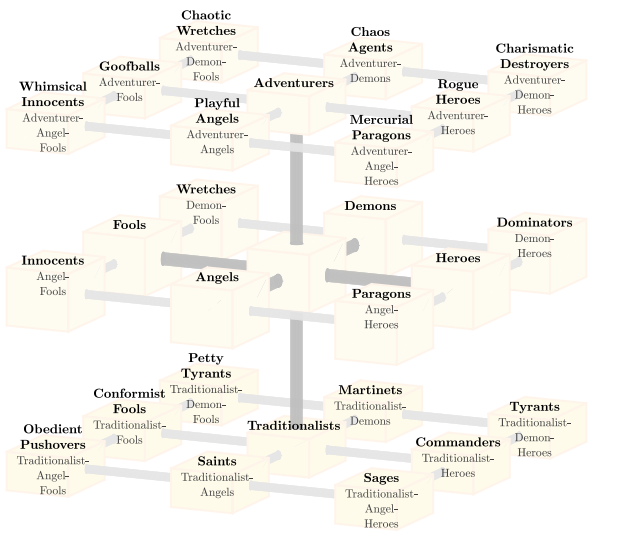
Archetype Class (#Characters)	#Major Archetypes	#Minor Archetypes	Paragon Max (Size S, Rank) R_{arch}
A. Single major archetype classes			
1. Heroes/ (191)	75 (39.3%)	110 (57.6%)	Raquel Munillo/ Money Heist/ (55.8, 1673) 56.4
2. Adventurers/ (64)	30 (46.9%)	30 (46.9%)	Jesper Fahey/ Shadow and Bone/ (81.3, 264) 55.2
3. Demons/ (45)	12 (26.7%)	33 (73.3%)	George Bluth, Sr./ Arrested Development/ (77.2, 47) 22.5
4. Angels/ (27)	5 (18.5%)	21 (77.8%)	Beth March/ Little Women/ (79.5, 34) 16.5
5. Divas/ (4)	1 (25.0%)	3 (75.0%)	Marnie Michaels/ Girls/ (64.2, 1222) 10.3
B. Dual major archetype classes			
1. Angel-Heroes/ (114)	60 (52.6%)	50 (43.9%)	Charlie Young/ The West Wing/ (81.4, 257) 49.7
2. Demon-Heroes/ (93)	51 (54.8%)	40 (43.0%)	Patty Hewes/ Damages/ (86.0, 124) 37.7
3. Adventurer-Heroes/ (51)	25 (49.0%)	22 (43.1%)	Sabrina Spellman/ Chilling Adventures of Sabrina/ (70.2, 877) 28.9
4. Adventurer-Demons/ (33)	22 (66.7%)	10 (30.3%)	Bender/ Futurama/ (90.5, 43) 36.7
5. Traditionalist-Heroes/ (43)	20 (46.5%)	23 (53.5%)	Cobra Bubbles/ Lilo & Stitch/ (75.8, 523) 28.1
6. Adventurer-Angels/ (34)	18 (52.9%)	16 (47.1%)	Olaf/ Frozen/ (89.8, 55) 33.0
7. Diva-Adventurers/ (20)	11 (55.0%)	5 (25.0%)	Rogelio De La Vega/ Jane the Virgin/ (75.9, 520) 33.1
8. Outcast-Angels/ (16)	8 (50.0%)	6 (37.5%)	The Tin Man/ The Wizard of Oz/ (49.8, 1890) 31.6
9. Lone Wolf-Heroes/ (22)	7 (31.8%)	14 (63.6%)	Nathaniel 'Hawkeye' Poe/ The Last of the Mohicans/ (79.1, 369) 16.7
10. Diva-Demons/ (20)	7 (35.0%)	10 (50.0%)	King George III/ Hamilton/ (85.0, 155) 31.9
11. Diva-Heroes/ (18)	5 (27.8%)	11 (61.1%)	Tahani Al-Jamil/ The Good Place/ (72.2, 749) 20.9
12. Outcast-Adventurers/ (6)	4 (66.7%)	2 (33.3%)	Sam Witwicky/ Transformers/ (48.1, 1924) 20.1
13. Adventurer-Fools/ (7)	3 (42.9%)	4 (57.1%)	Luke Dunphy/ Modern Family/ (64.8, 1185) 14.2
14. Outcast-Demons/ (7)	2 (28.6%)	4 (57.1%)	Gollum/ Lord of the Rings/ (94.4, 13) 17.9
15. Brute-Adventurers/ (9)	2 (22.2%)	6 (66.7%)	Emmett Cullen/ Twilight/ (57.6, 1576) 14.9
16. Outcast-Heroes/ (2)	1 (50.0%)	0 (0.0%)	Guy Montag/ Fahrenheit 451/ (52.1, 1832) 14.7
17. Outcast-Fools/ (3)	1 (33.3%)	2 (66.7%)	Mike Melnikov/ Vesp/ (66.3, 1101) 17.1
18. Geek-Heroes/ (9)	1 (11.1%)	7 (77.8%)	Awk/ Ex Machina/ (74.8, 582) 12.2
19. Brute-Heroes/ (10)	1 (10.0%)	8 (80.0%)	Hank Schrader/ Breaking Bad/ (64.5, 1198) 11.1
20. Diva-Angels/ (8)	1 (12.5%)	7 (87.5%)	Becca/ Superbad/ (44.2, 1965) 10.9

46. Geek-Adventurer-Angels/ (3)	2 (66.7%)	1 (33.3%)	Luna Lovegood/ Harry Potter/ (86.0, 123) 17.4
47. Brute-Traditionalist-Demons/ (5)	2 (40.0%)	3 (60.0%)	Byron Hadley/ The Shawshank Redemption/ (83.6, 191) 11.3
48. Outcast-Diva-Demons/ (5)	2 (40.0%)	2 (40.0%)	Louis L'Amour/ Suits/ (66.6, 1091) 16.8
49. Brute-Diva-Demons/ (5)	2 (40.0%)	2 (40.0%)	Topper/ Outer Banks/ (73.5, 665) 11.8
50. Outcast-Diva-Adventurers/ (11)	2 (18.2%)	2 (18.2%)	Kath/ After Life/ (53.3, 1791) 12.0
51. Geek-Outcast-Adventurers/ (3)	2 (66.7%)	0 (0.0%)	Lily Iglehart/ Sex Education/ (67.5, 1034) 16.3
52. Geek-Outcast-Traditionalists/ (6)	2 (33.3%)	3 (50.0%)	Peter Doppler/ Dark/ (55.5, 1690) 13.5
53. Brute-Outcast-Traditionalists/ (4)	2 (50.0%)	2 (50.0%)	Luther Hargreaves/ The Umbrella Academy/ (60.6, 1425) 13.4
54. Diva-Demon-Fools/ (4)	1 (33.3%)	2 (66.7%)	James Taggart/ Atlas Shrugged/ (69.2, 931) 26.8
55. Outcast-Demon-Heroes/ (15)	1 (6.7%)	6 (40.0%)	Diego Hargreaves/ The Umbrella Academy/ (64.1, 1230) 12.0
56. Diva-Adventurer-Fools/ (7)	1 (14.3%)	5 (71.4%)	June George/ Men of War/ (64.1, 837) 13.0
57. Outcast-Traditionalist-Heroes/ (11)	1 (9.1%)	7 (63.6%)	Merlin/ Finding Never/ (68.3, 971) 12.3
58. Geek-Traditionalist-Heroes/ (6)	1 (16.7%)	4 (66.7%)	Brandon Stark/ Game of Thrones/ (64.4, 1210) 11.2
59. Lone Wolf-Adventurer-Angels/ (2)	1 (50.0%)	1 (50.0%)	Helsinki/ Sex Education/ (59.4, 1485) 10.3
60. Geek-Outcast-Demons/ (5)	1 (20.0%)	3 (60.0%)	The Joker/ The Dark Knight/ (92.5, 23) 13.7
61. Sophisticate-Diva-Heroes/ (3)	1 (33.3%)	1 (33.3%)	C-Note Franklin/ Prison Break/ (43.2, 1976) 11.0
62. Outcast-Diva-Fools/ (4)	1 (25.0%)	2 (50.0%)	Buster Bluth/ Arrested Development/ (79.6, 334) 13.0
63. Brute-Outcast-Heroes/ (12)	1 (8.3%)	10 (83.3%)	Eric O'Bannon/ Bloodline/ (72.6, 723) 10.7
64. Outcast-Lone Wolf-Demons/ (8)	1 (12.5%)	5 (62.5%)	Gains Baltar/ Battlestar Galactica/ (85.1, 152) 14.4
65. Geek-Diva-Demons/ (2)	1 (50.0%)	1 (50.0%)	Oswald Cobblepot/ Gotham/ (69.2, 932) 11.6
66. Geek-Outcast-Demons/ (5)	1 (20.0%)	2 (40.0%)	Kenny McCormick/ South Park/ (54.1, 1760) 13.1
67. Outcast-Lone Wolf-Adventurers/ (1)	1 (100.0%)	0 (0.0%)	Charlie Strong/ Peaky Blinders/ (54.1, 1758) 12.1
68. Outcast-Lone Wolf-Traditionalists/ (2)	1 (50.0%)	1 (50.0%)	Jules Leandre/ The Cabin in the Woods/ (67.2, 1052) 15.0
69. Brute-Diva-Adventurers/ (4)	2 (50.0%)	2 (50.0%)	Connie Springer/ Attack on Titan/ (58.2, 1541) 16.3

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Finer scale is too fine: Demon by Demon-Fool is not sensible.

C. Triple major archetype classes (1-20)			
1. Adventurer-Angel-Heroes/ (74)	37 (50.0%)	28 (37.8%)	Annie Porter/ Speed/ (60.9, 1412) 35.3
2. Adventurer-Demon-Heroes/ (67)	27 (40.3%)	35 (52.2%)	Damon Salvatore/ The Vampire Diaries/ (77.9, 422) 24.1
3. Traditionalist-Demon-Heroes/ (50)	24 (48.0%)	22 (44.0%)	Tywin Lannister/ Game of Thrones/ (90.0, 49) 56.4
4. Diva-Angel-Heroes/ (49)	20 (40.8%)	25 (51.0%)	Dr. Allison Cameron/ House, M.D./ (55.8, 1676) 30.9
5. Diva-Demon-Heroes/ (34)	15 (44.1%)	14 (41.2%)	Emily Charlton/ The Devil Wears Prada/ (62.8, 1304) 20.5
6. Outcast-Angel-Heroes/ (34)	14 (41.2%)	14 (41.2%)	Homer/ The OA/ (51.8, 1842) 24.1
7. Brute-Angel-Heroes/ (24)	12 (50.0%)	9 (37.5%)	Clinton Jones/ White Collar/ (65.8, 1131) 17.4
8. Lone Wolf-Adventurer-Heroes/ (21)	10 (47.6%)	9 (42.9%)	Connor MacMurray/ The Boardwalk Saints/ (64.8, 1178) 29.8
9. Brute-Adventurer-Heroes/ (18)	10 (55.6%)	7 (38.9%)	Steven Hiller/ Independence Day/ (71.7, 779) 20.4
10. Diva-Adventurer-Demons/ (27)	10 (37.0%)	14 (51.9%)	Jenna Maroney/ 30 Rock/ (94.0, 14) 41.2
11. Outcast-Adventurer-Demons/ (27)	9 (33.3%)	14 (51.9%)	Debbie Gallagher/ Shameless/ (63.0, 1291) 21.9
12. Outcast-Adventurer-Angels/ (28)	9 (32.1%)	13 (46.4%)	Husky Royce/ LOST/ (72.9, 692) 16.8
13. Geek-Demon-Heroes/ (22)	8 (36.4%)	11 (50.0%)	Amy Elliott/ Dune/ Gone Girl/ (79.6, 341) 29.3
14. Diva-Traditionalist-Heroes/ (21)	8 (38.1%)	8 (38.1%)	Claire/ Fleabag/ (73.9, 643) 20.8
15. Brute-Traditionalist-Heroes/ (15)	8 (53.3%)	5 (33.3%)	Ashley Stubbs/ Westworld/ (65.2, 1157) 18.0
16. Traditionalist-Angel-Heroes/ (28)	7 (25.0%)	12 (42.9%)	Elmor Dashwood/ Sense and Sensibility/ (78.1, 415) 41.5
17. Outcast-Diva-Traditionalists/ (19)	7 (36.8%)	5 (26.3%)	Cyril Figgie/ Archer/ (80.5, 294) 20.6
18. Diva-Adventurer-Heroes/ (25)	6 (24.0%)	13 (52.0%)	Amy March/ Little Women/ (51.0, 1860) 33.5
19. Sophisticate-Adventurer-Heroes/ (14)	6 (42.9%)	7 (50.0%)	Coco Parok/ New Girl/ (60.5, 1429) 12.0
20. Brute-Demon-Heroes/ (10)	5 (50.0%)	3 (30.0%)	Sgt. Sean Dignam/ The Departed/ (70.5, 846) 20.3



An online exploratorium of 33,000+ interconnected cards

Index cards:

Stories/

Traits/

Archetypes/

Essential Traits/

Option to switch cards between scaled data sets where available.

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Trait and Archetype Cards

Story and Character Cards

Group Cards

Comparing Characters

Real Polarization

Nutshell

Nutshell

Extras

Robustness

More Storylines

Practical

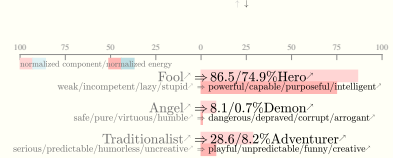
References

all stories all traits all archetypes

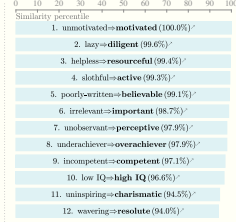
quitter => persistent

Relative trait strength 100%, 1/464

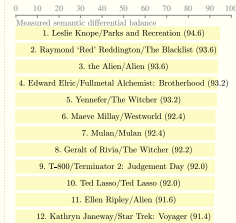
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Most similar traits:



Characters with highest measurements:



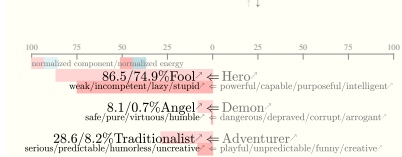
Based on 3000/464/341 characters/traits/stories=>switch to 800/255/90 or 1600/364/241

all stories all traits all archetypes

persistent => quitter

Relative trait strength 100%, 1/464

↓



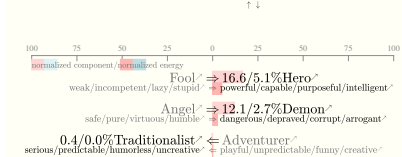
Based on 3000/464/341 characters/traits/stories=>switch to 800/255/90 or 1600/364/241

all stories all traits all archetypes

lumberjack => mad-scientist

Relative trait strength 74%, 146/464

↓



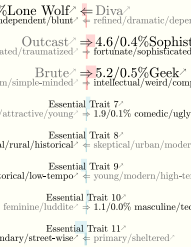
Based on 3000/464/341 characters/traits/stories=>switch to 800/255/90 or 1600/364/241

all stories all traits all archetypes

angelic => demonic

Relative trait strength 73%, 167/464

↓



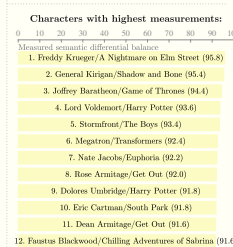
Based on 3000/464/341 characters/traits/stories=>switch to 800/255/90 or 1600/364/241

all stories all traits all archetypes

angelic => demonic

Relative trait strength 73%, 167/464

↓



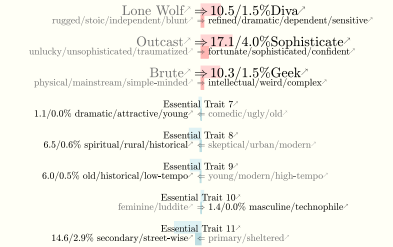
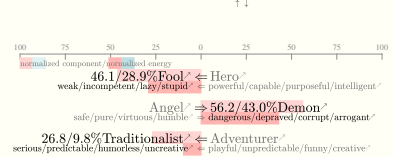
Based on 3000/464/341 characters/traits/stories=>switch to 800/255/90 or 1600/364/241

all stories all traits all archetypes

heroic => villainous

Relative trait strength 86%, 21/464

↓



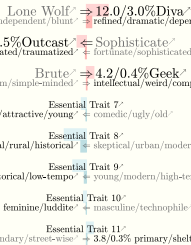
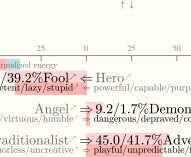
Based on 3000/464/341 characters/traits/stories=>switch to 800/255/90 or 1600/364/241

all stories all traits all archetypes

rational => whimsical

Relative trait strength 70%, 227/464

↓



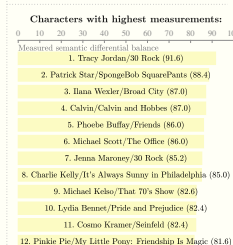
Based on 3000/464/341 characters/traits/stories=>switch to 800/255/90 or 1600/364/241

all stories all traits all archetypes

rational => whimsical

Relative trait strength 70%, 227/464

↓



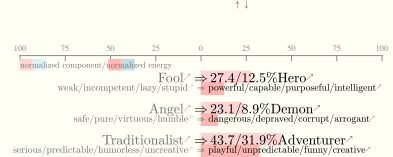
Based on 3000/464/341 characters/traits/stories=>switch to 800/255/90 or 1600/364/241

all stories all traits all archetypes

tattle-tale => ***-the-police

Relative trait strength 77%, 94/464

↓



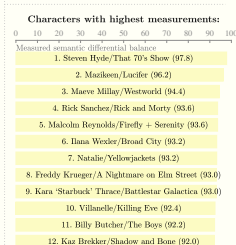
Based on 3000/464/341 characters/traits/stories=>switch to 800/255/90 or 1600/364/241

all stories all traits all archetypes

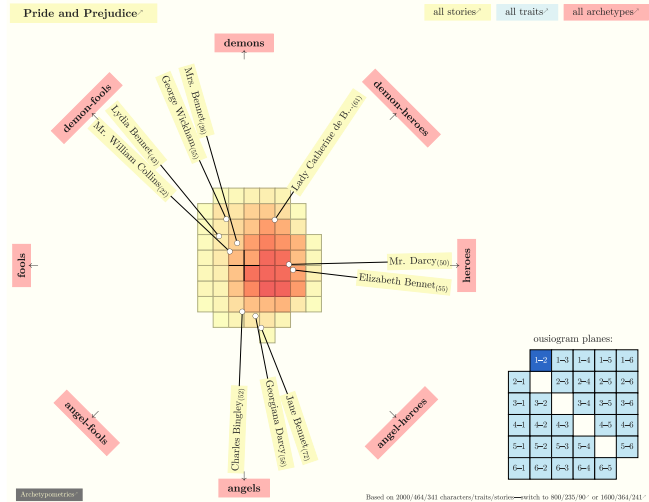
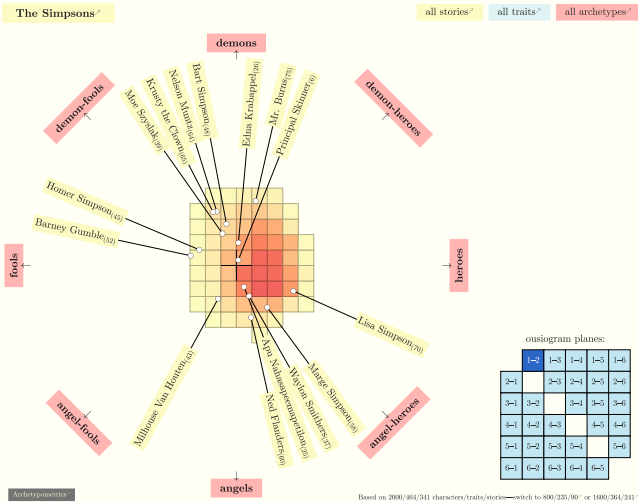
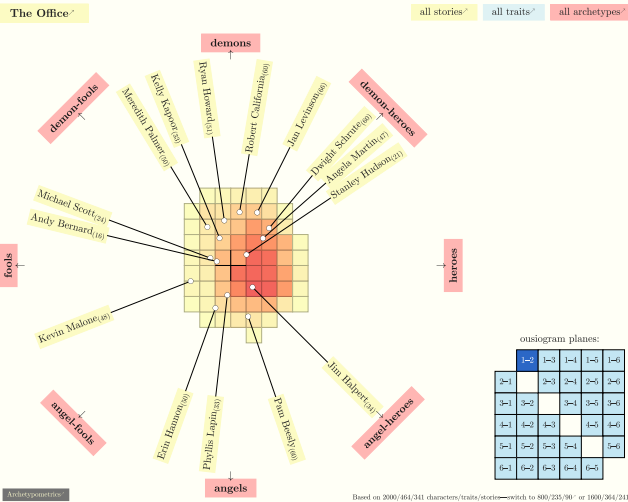
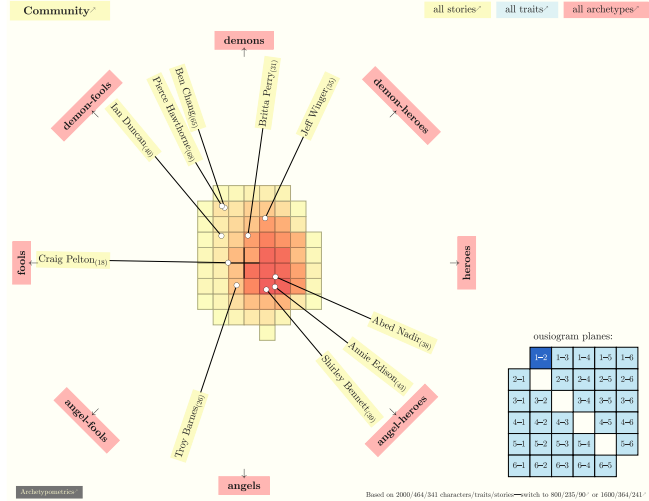
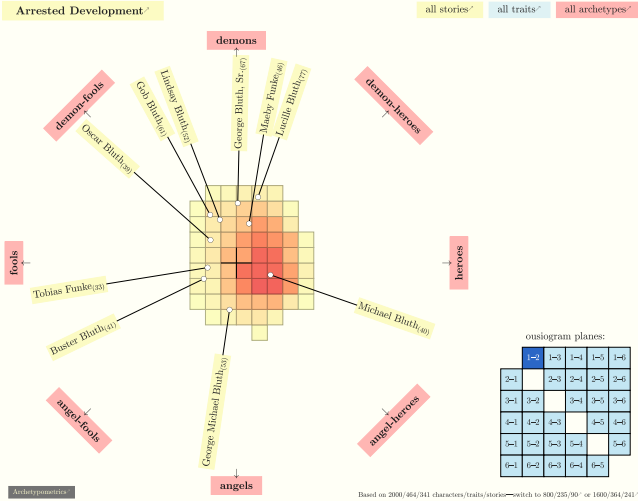
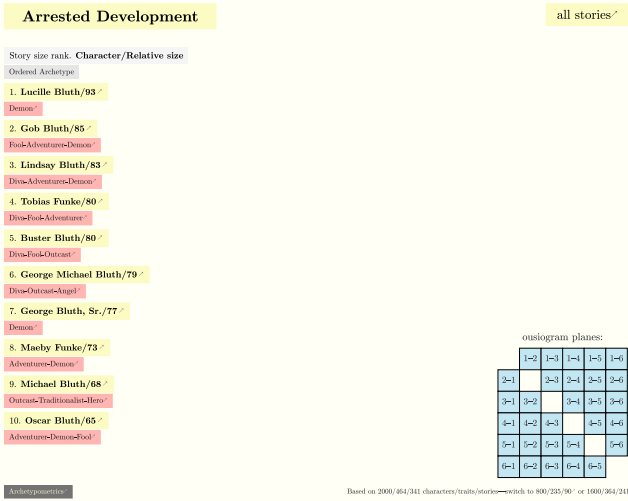
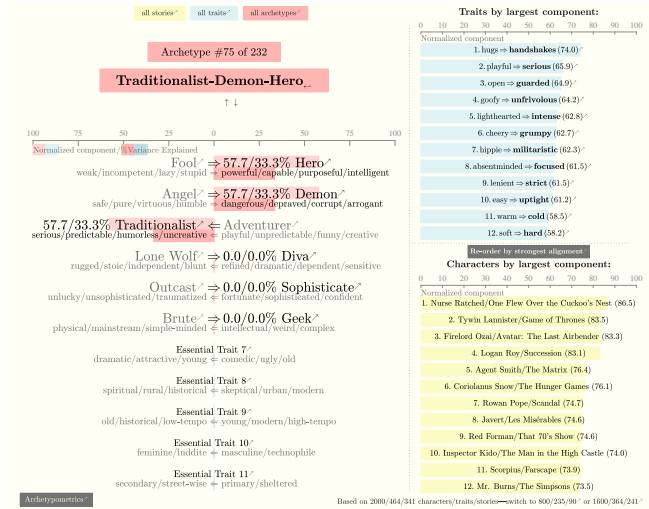
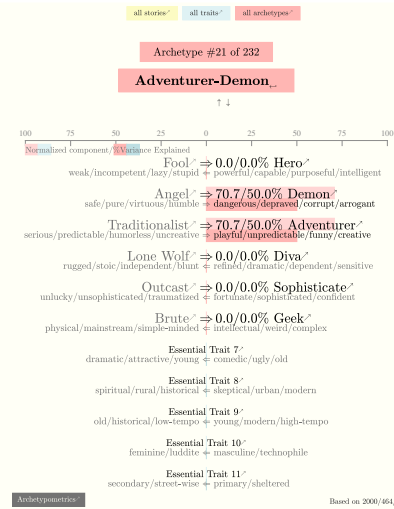
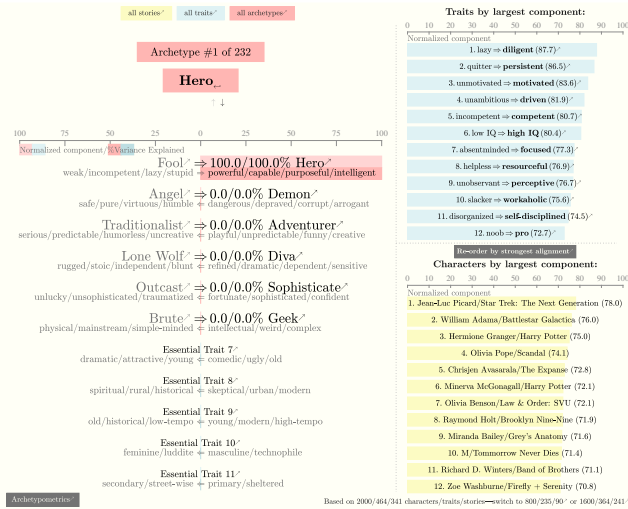
tattle-tale => ***-the-police

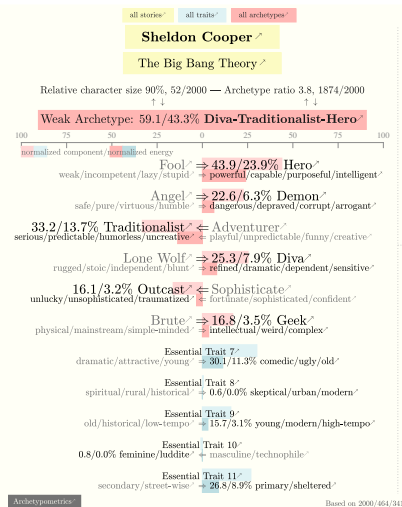
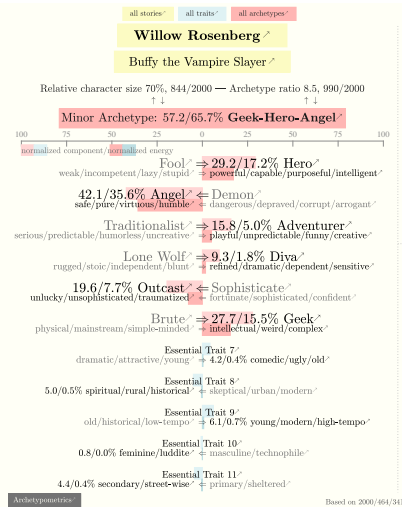
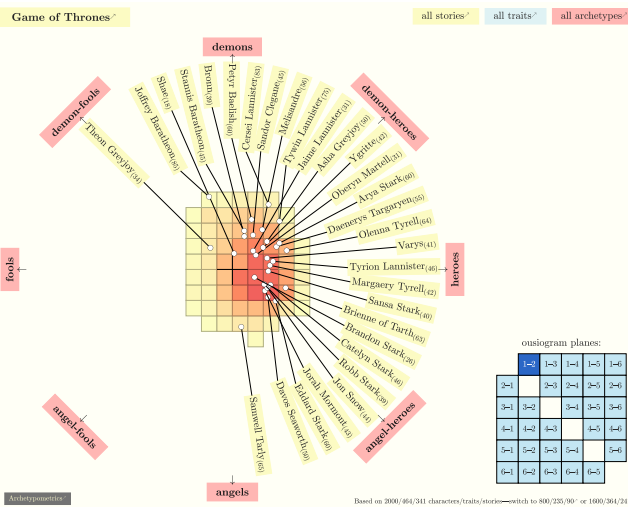
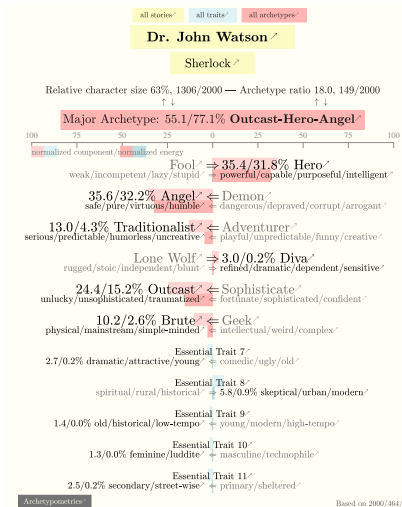
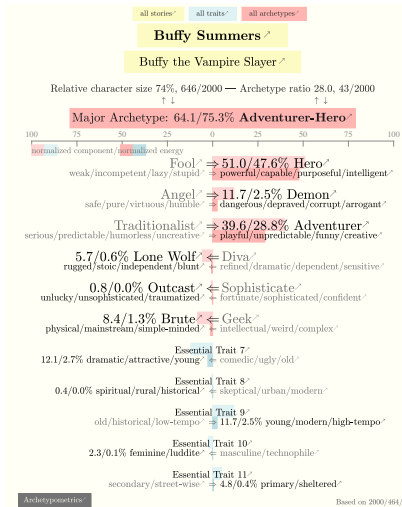
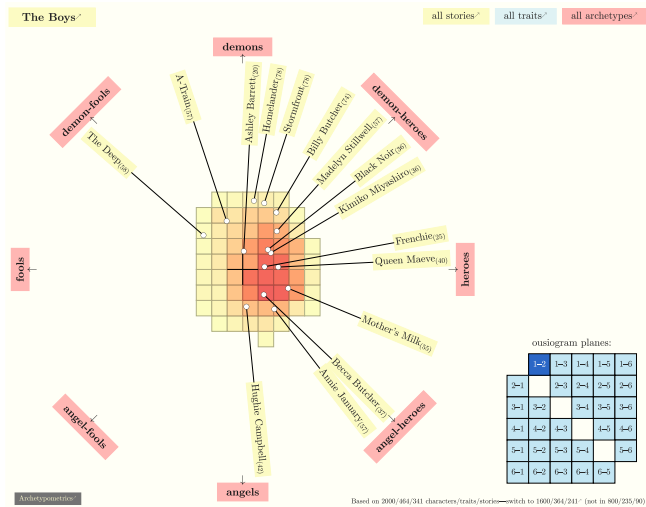
Relative trait strength 77%, 94/464

↓

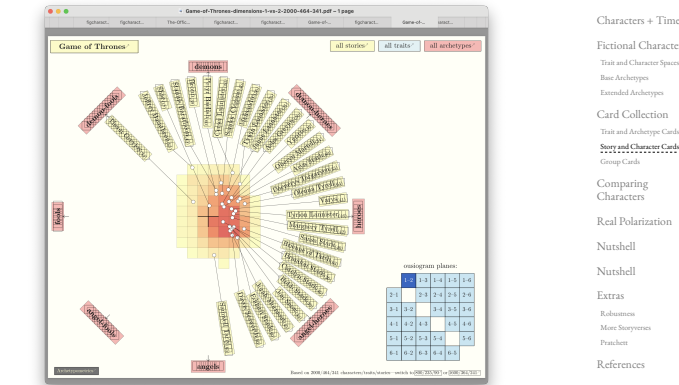


Based on 3000/464/341 characters/traits/stories=>switch to 800/255/90 or 1600/364/241

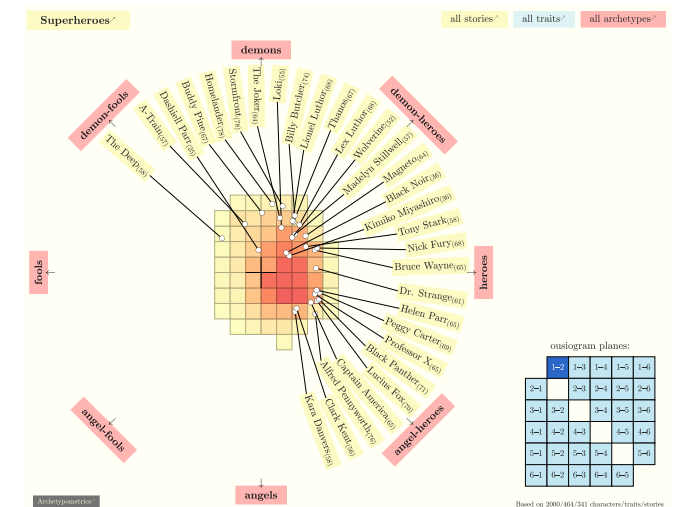
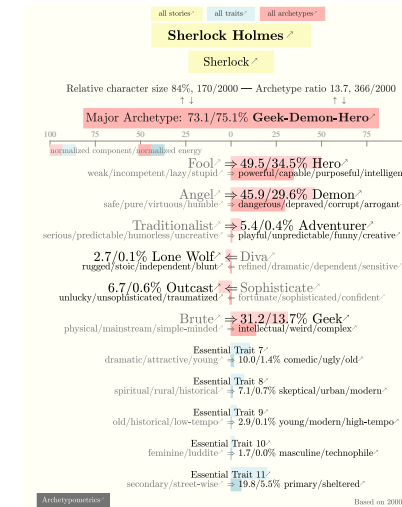


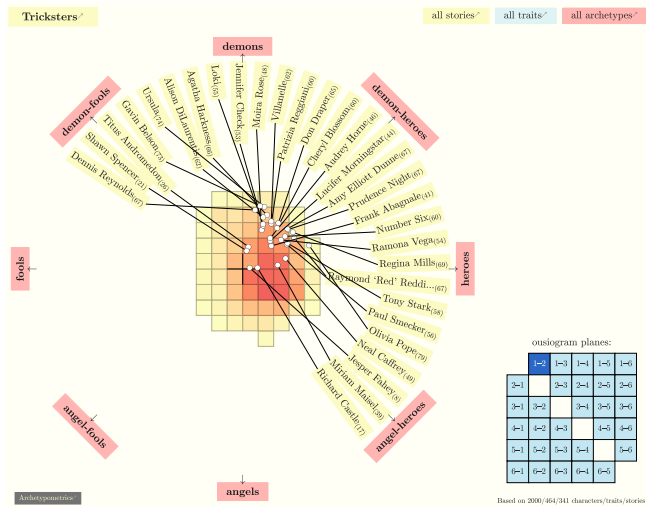
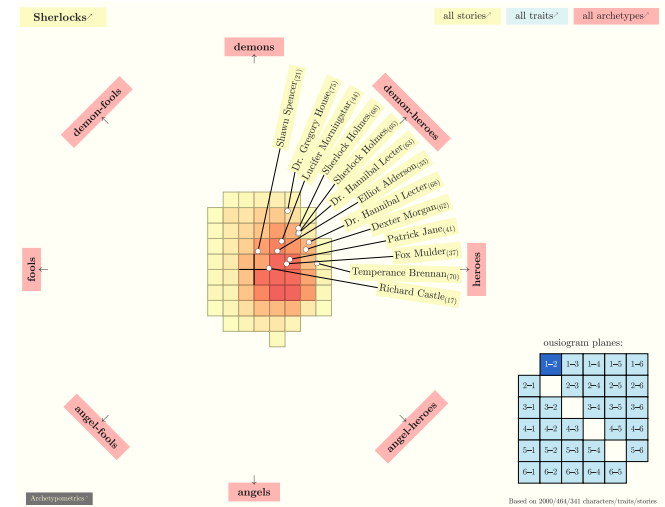
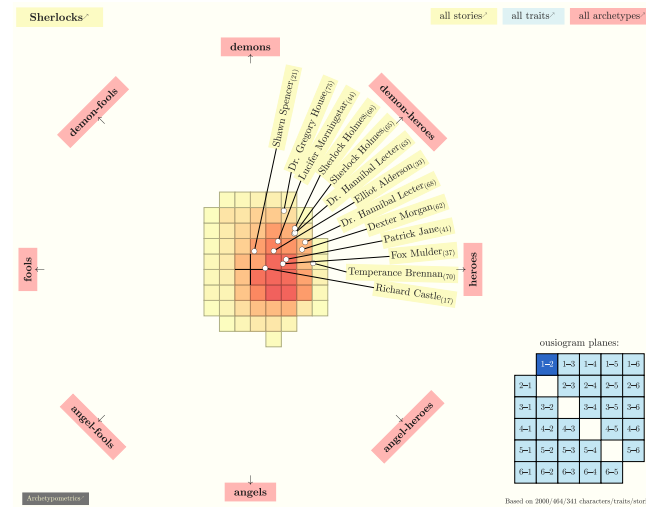
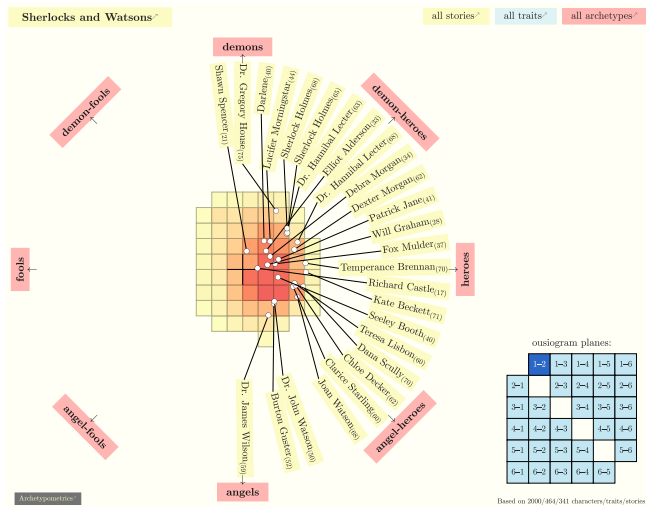


Creating off-axis link boxes:1



Let's just pretend that this is a totally okay thing to do.





How close are any pair of characters?

The inner product as a measure of similarity:²

$$\langle \vec{x}_i, \vec{x}_j \rangle$$

The vector $\vec{x}_i$ represents character i in trait space.

$x_{i,j}$ is the average human-rated score for character i on trait j .

$-1/2 < x_{i,j} < +1/2$

To compare across pairs, normalize $\vec{x}_i$ so that the most similar or most dissimilar pair of characters

For normalized vectors:

$$\langle \vec{x}_i, \vec{x}_j \rangle$$

Next: How to explode an inner product ...

²The mapper is not the map—don't name fundamental scientific things after people

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Real Polarization

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Nutshell

Extras

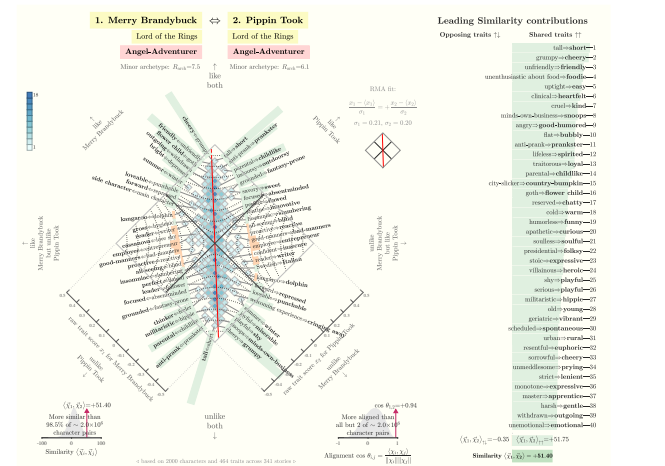
Robustness

More Storytypes

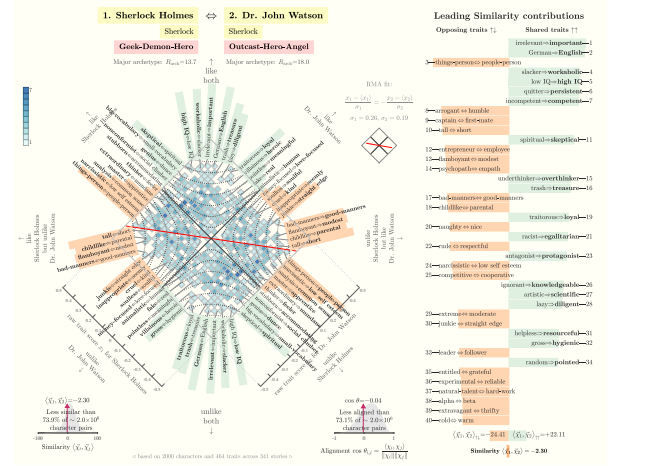
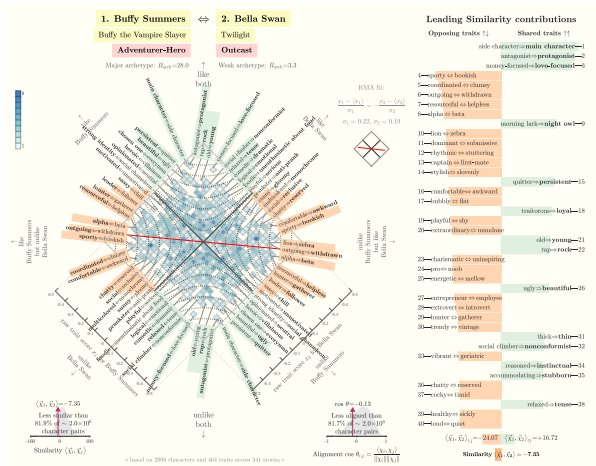
Practical

References

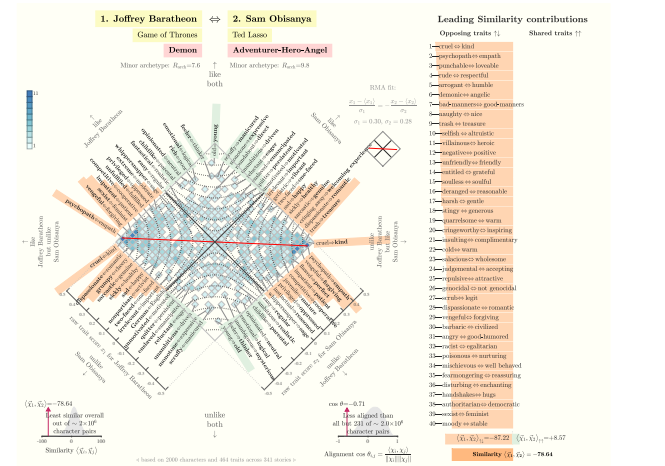
Very similar characters:



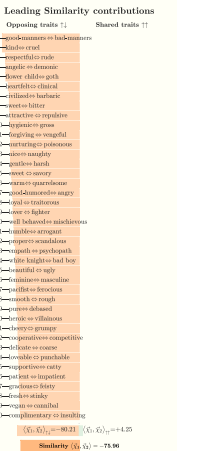
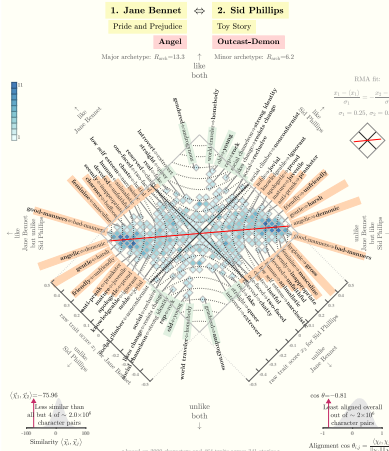
Buffy and Willow:



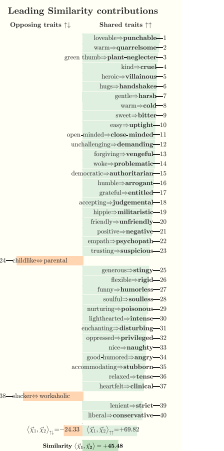
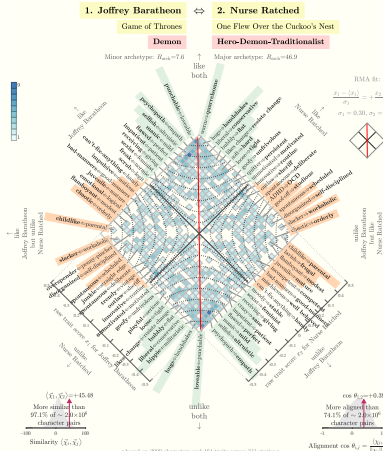
The two characters furthest apart:



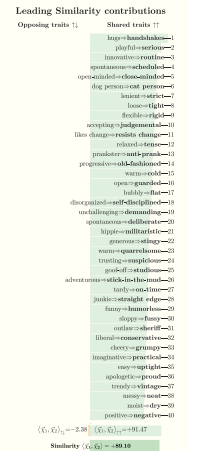
The most anti-correlated characters:



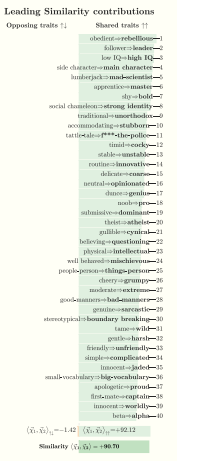
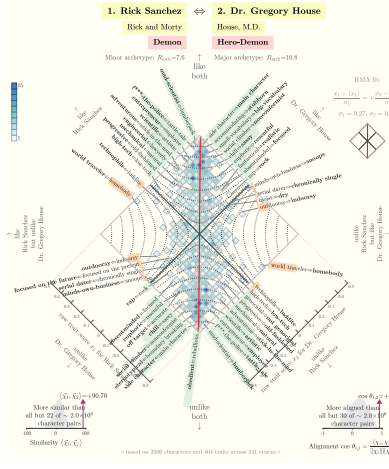
Two different demons:



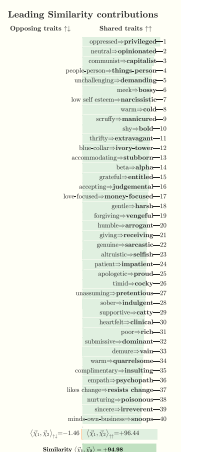
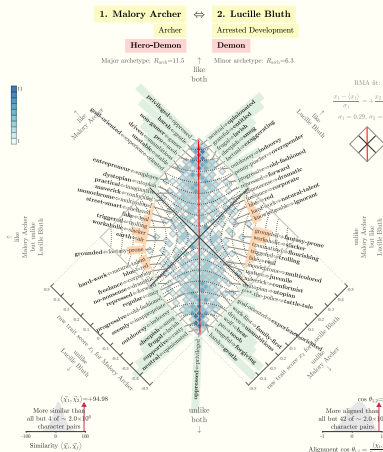
Two similar demons:



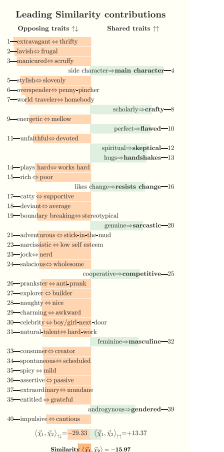
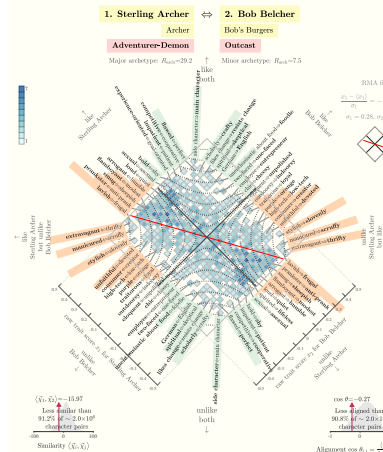
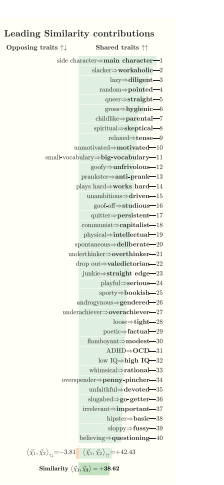
Two similar demons:



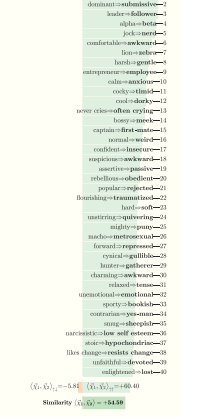
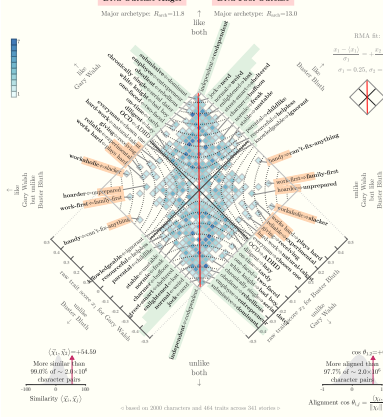
Jessica Walter :
Two very similar characters, same actor



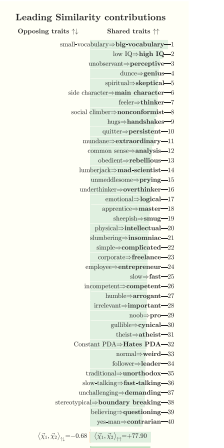
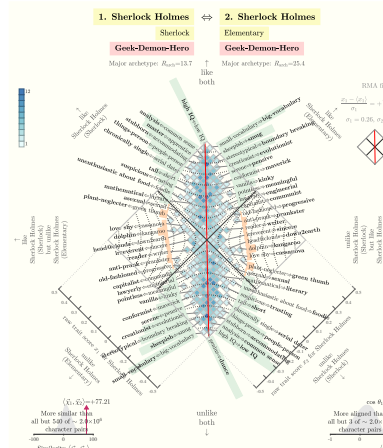
H. Jon Benjamin 🎬:
Two very different characters, same actor

[illegible]

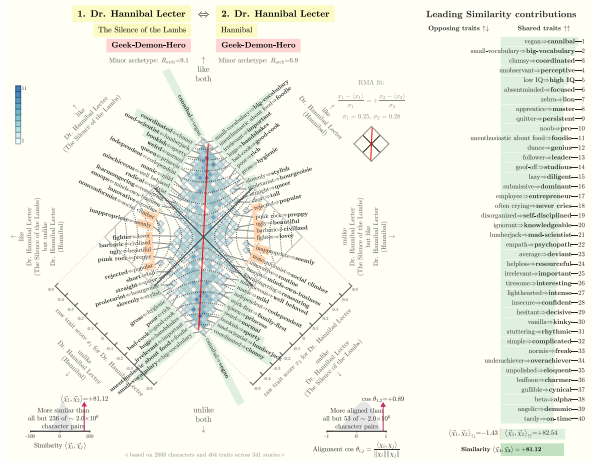
1. Gary Walsh	$\Leftrightarrow$	2. Buster Bluth
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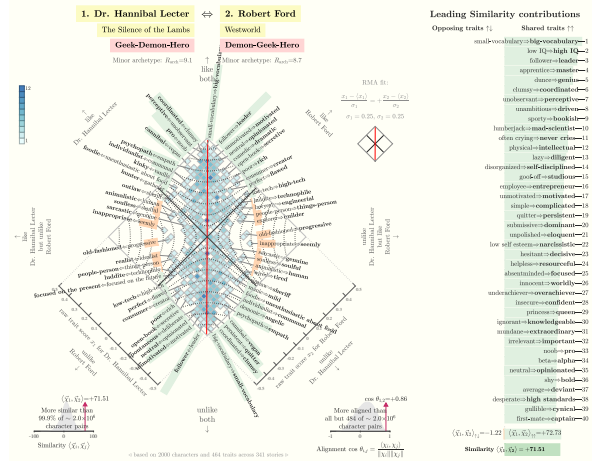
The same character realized in different tellings:



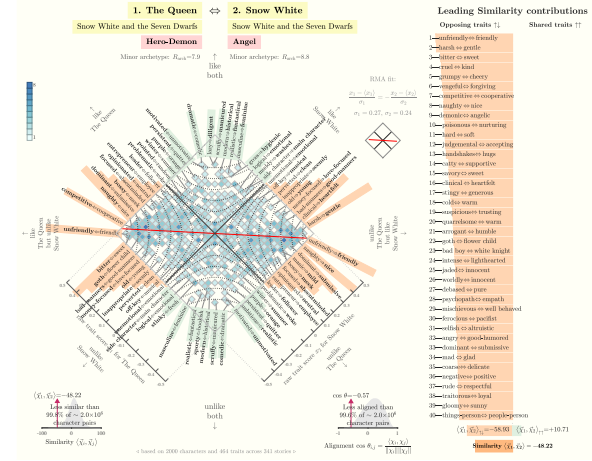
The same character realized in different tellings:



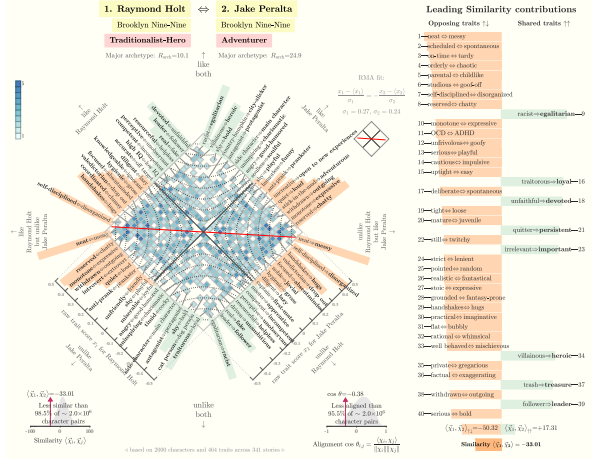
Sir Anthony Hopkins:



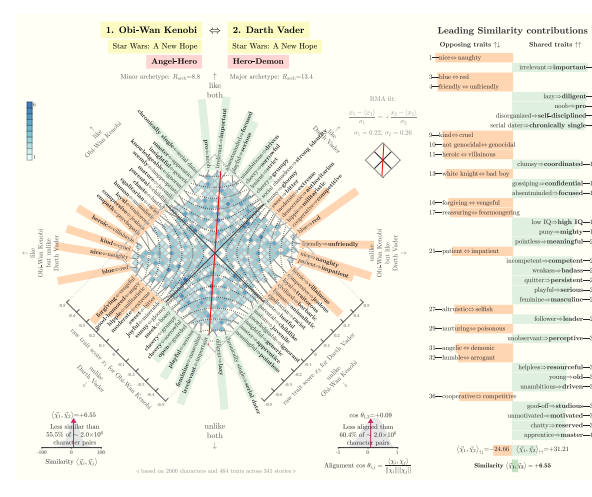
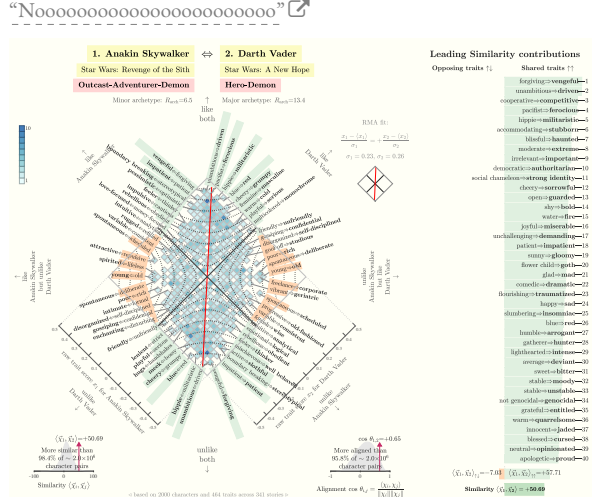
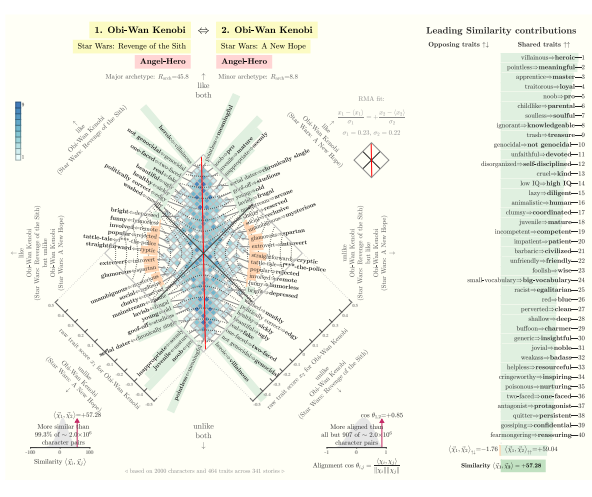
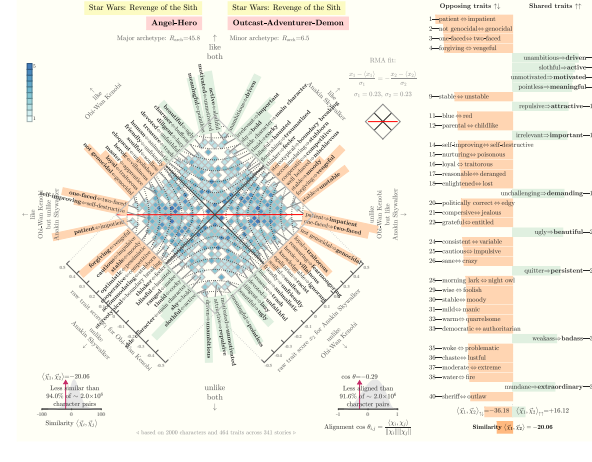
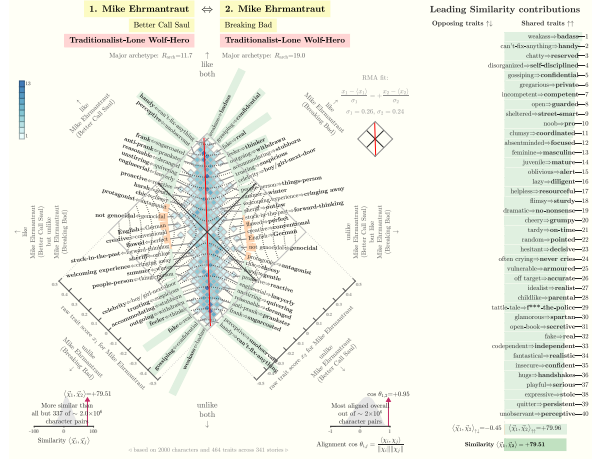
Chalk and cheese main characters:

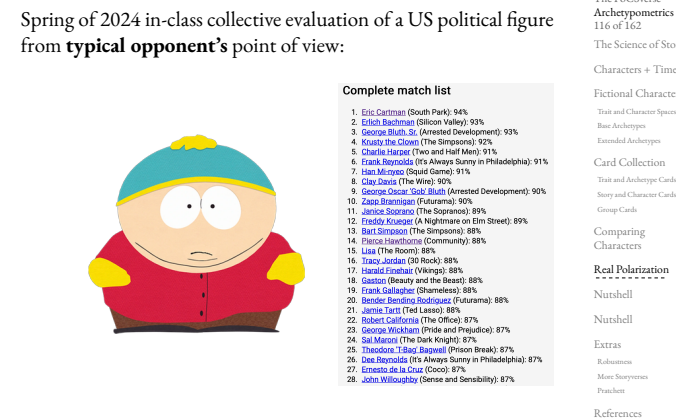
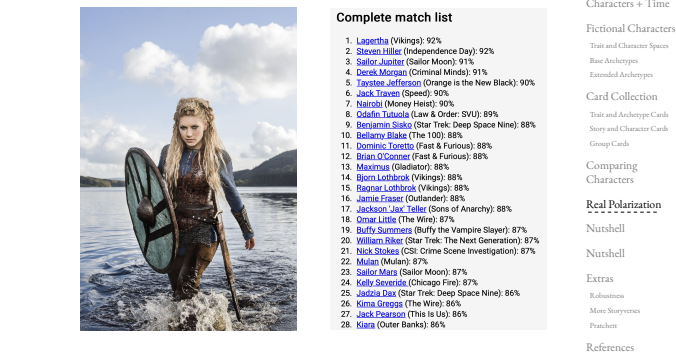
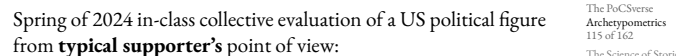
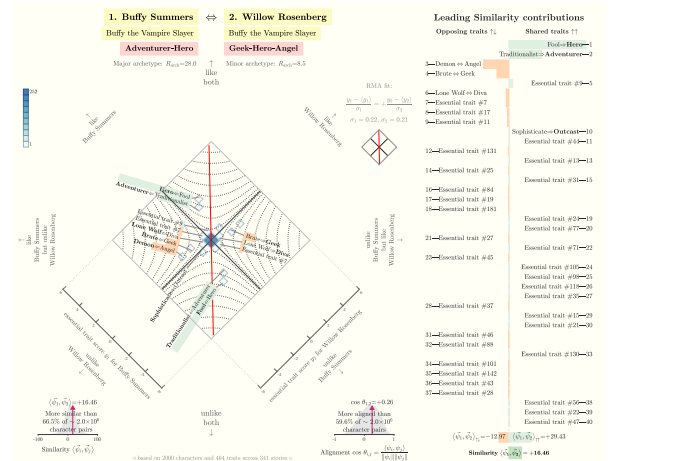


Chalk and cheese main characters:

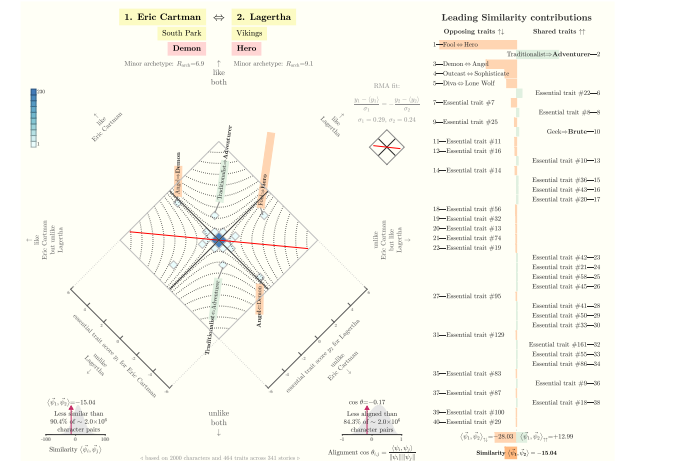
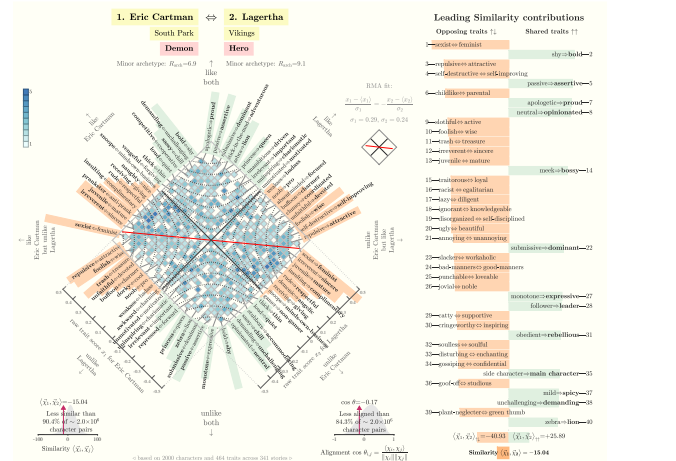


Minor character evolution:

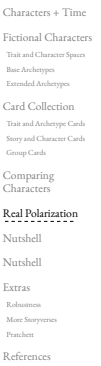




1. Eric Cartman/, (South-Park/): 94%
2. Erlich Bachman (Silicon Valley): 93%
3. George Bluth, Sr. (Arrested Development): 93%
4. Krusty the Clown (The Simpsons): 92%
5. Charlie Harper (Two and a Half Men): 91%
6. Frank Reynolds (It's Always Sunny in Philadelphia): 91%
7. Han Mi-nyeo (Squid Game): 91%
8. Clay Davis (The Wire): 90%
9. George Oscar 'Gob' Bluth (Arrested Development): 90%
10. Zapp Brannigan (Futurama): 90%
11. Janice Soprano (The Sopranos): 89%
12. Freddy Krueger (A Nightmare on Elm Street): 89%
13. Bart Simpson (The Simpsons): 88%
14. Pierce Hawthorne (Community): 88%
15. Lisa (The Room): 88%
16. Tracy Jordan (30 Rock): 88%
17. Harald Finehair (Vikings): 88%
18. Gaston (Beauty and the Beast): 88%
19. Frank Gallagher (Shameless): 88%
20. Bender Bending Rodriguez (Futurama): 88%



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References

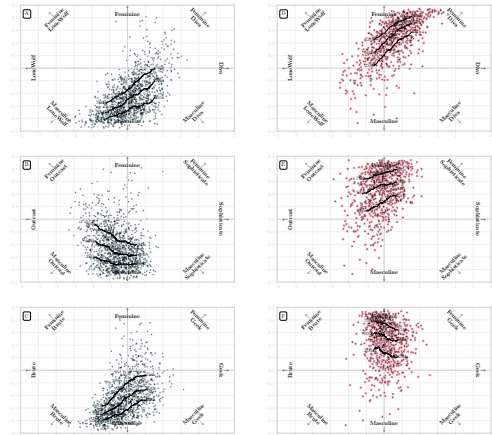
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The Science of Stories



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Archetypes and the {masculine/ ⇌ feminine/} trait:



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Nutshelling 1/2

Ousiometrics:

- Power-Danger-structure framework emerges in distinct settings, fitting types and tokens.
- Safety bias of communication refines Pollyanna Principle of positivity.
- DAPGS Circumplex Model interpolates with Goodness-Aggression-Structure framework.
- Happiness/Goodness = Power + Safety.
- Power-danger framework underlies survival/evolution/life.
- Never measure VAD, GAS, PDS: Use many semantic differentials.

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Nutshell:

- Three primary archetype dimensions: {Fool/ ⇌ Hero/}, {Angel/ ⇌ Demon/}, and {Traditionalist/ ⇌ Adventurer/}
- Three secondary archetype dimensions: {Lone Wolf/ ⇌ Diva/}, {Outcast/ ⇌ Sophisticate/}, and {Brute/ ⇌ Geek/}
- Ousiometric alignment: Three primary archetype dimensions ~ Three essential dimensions of meaning
- Five Factor Model traits are entailed by the six dimensions of archetype space.
- Extended archetype framework meaningfully covers character space.
- Robustness: General structure of archetypes is preserved under expansion of data set
- Development of a new allotaxonomic instrument for comparing any pair of systems with non-skewed weights across compositional categorical elements.
- Paper (600+ pages with appendices) and exploratorium will be openly available soon.

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Ahead, some possibilities of many:

- Clustering of stories based on character space (comedy, drama, ...).
- Exploration of how individual traits and characters are realized (e.g., {straight/ ⇌ queer/}, {neurotypical/ ⇌ autistic/}).
- Study evolution of characters in stories.
- Plots: Accurately extract temporal networks of characters in large corpora of stories.
- Development of analytic tools for story analysis and creation.
- Overthrow Myers-Briggs.

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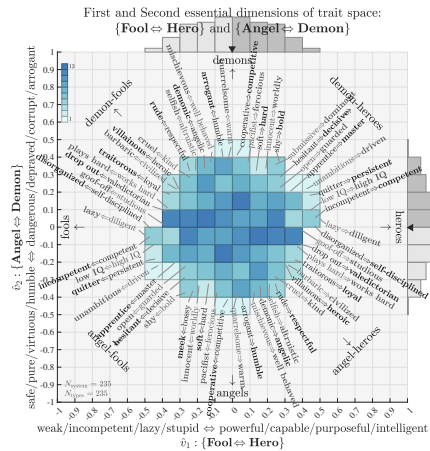
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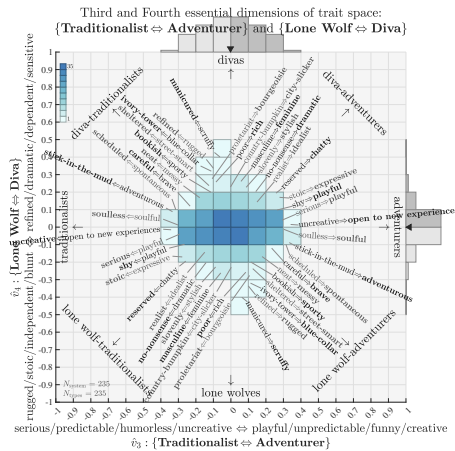
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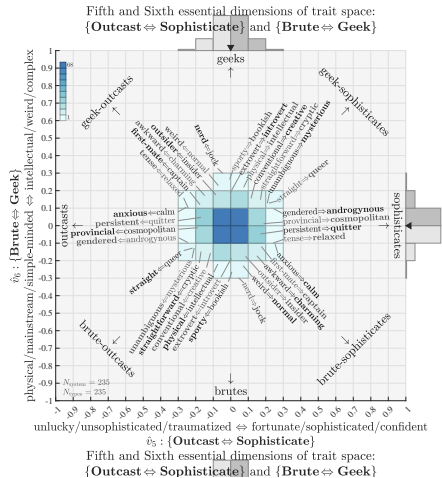
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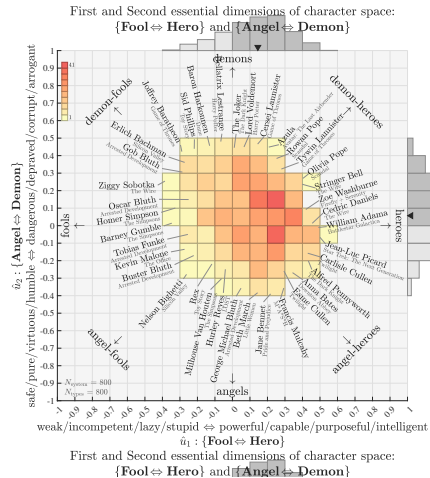
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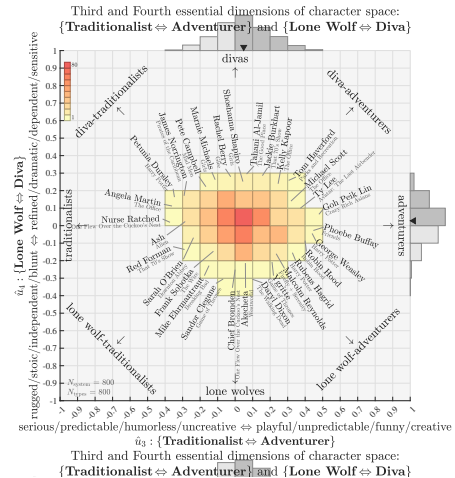
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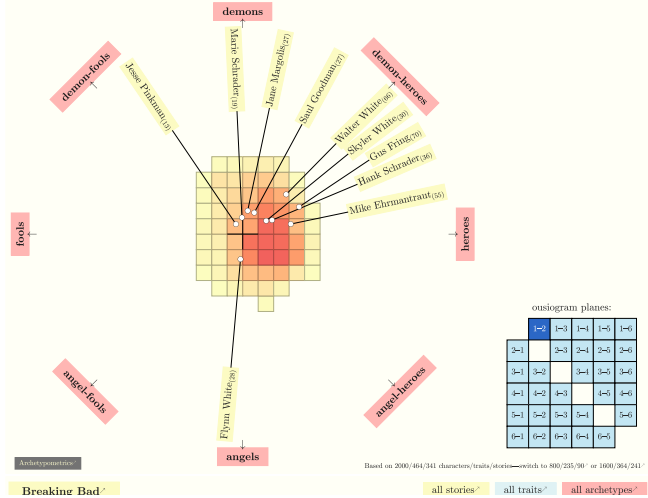
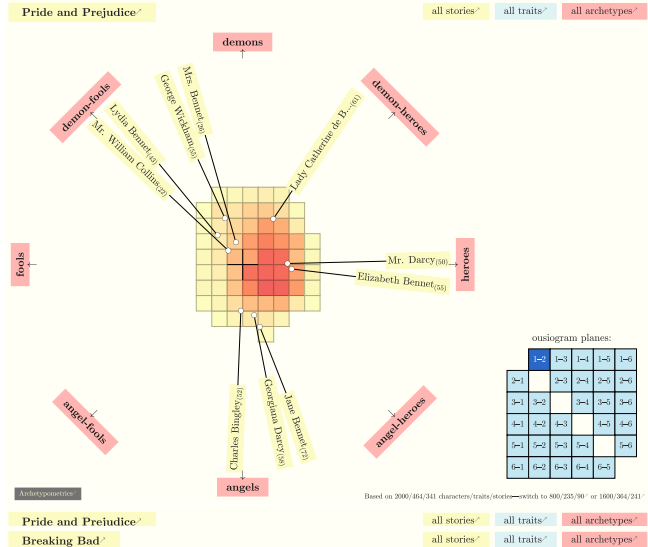
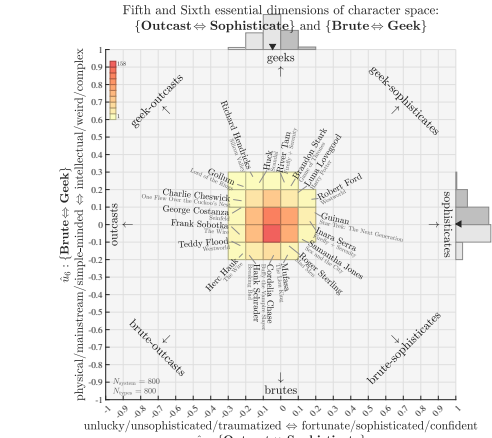
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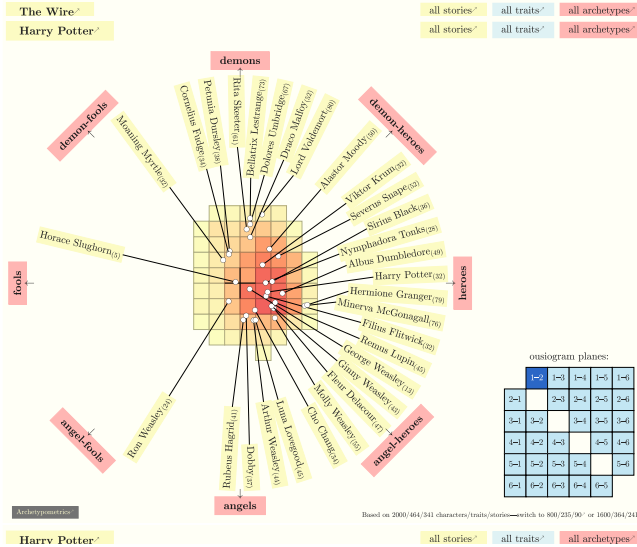
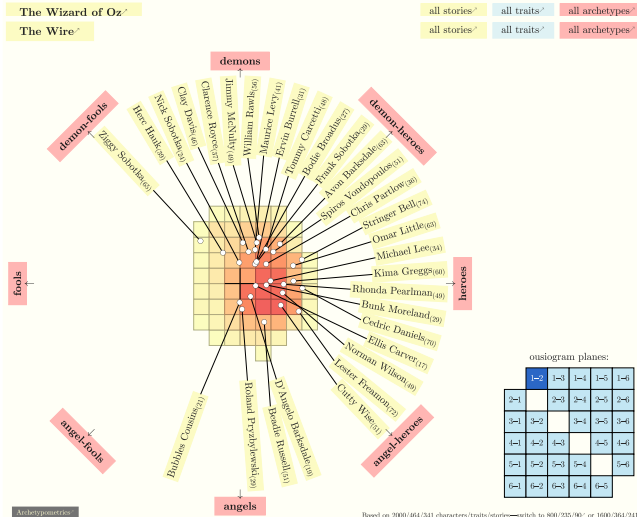
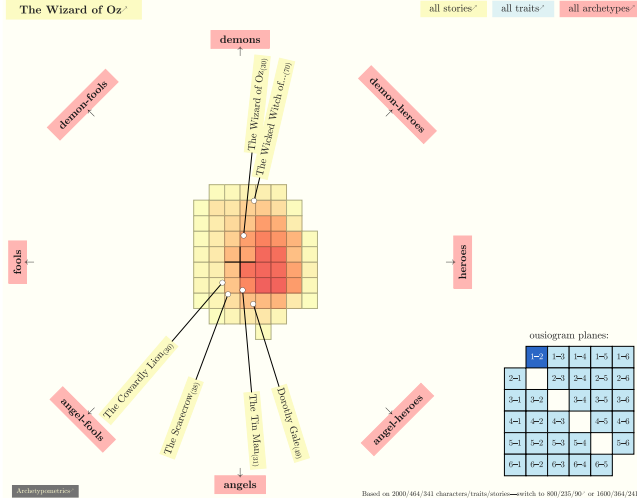
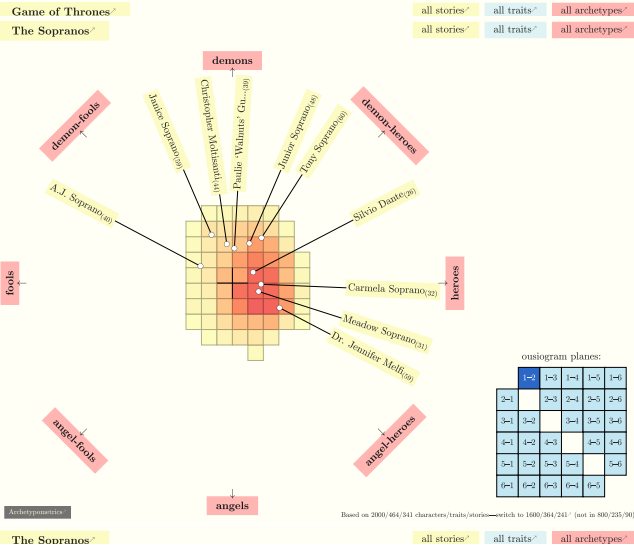
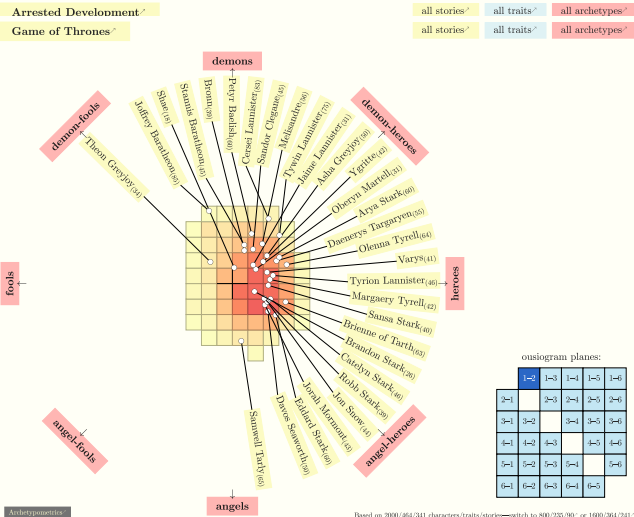
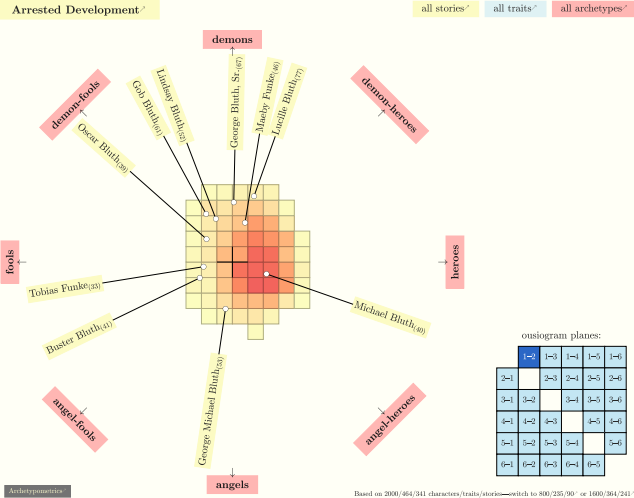
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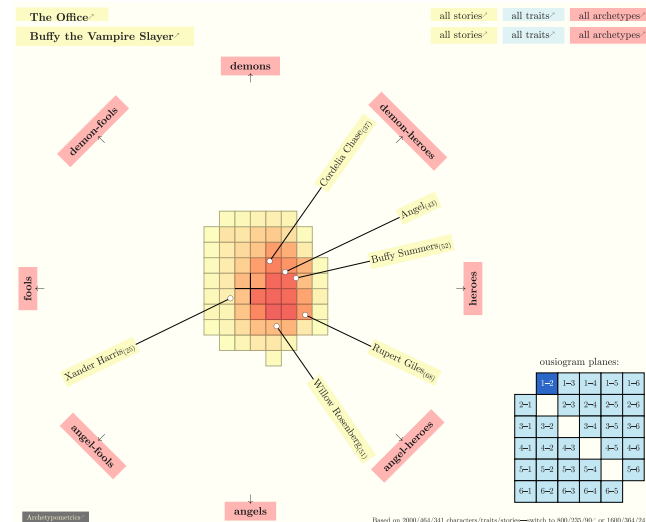
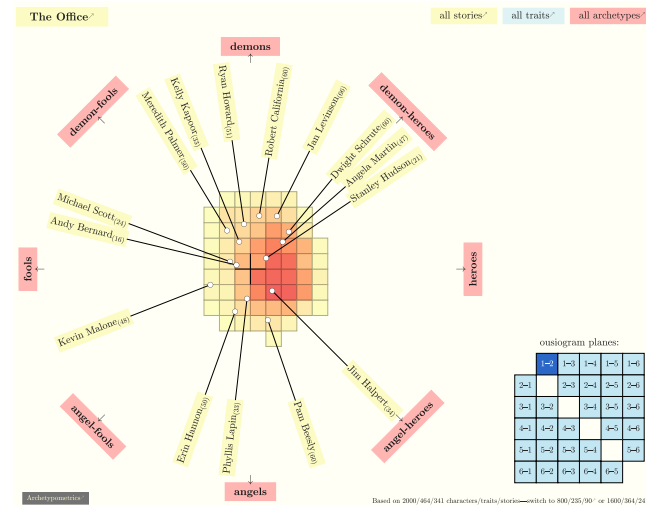
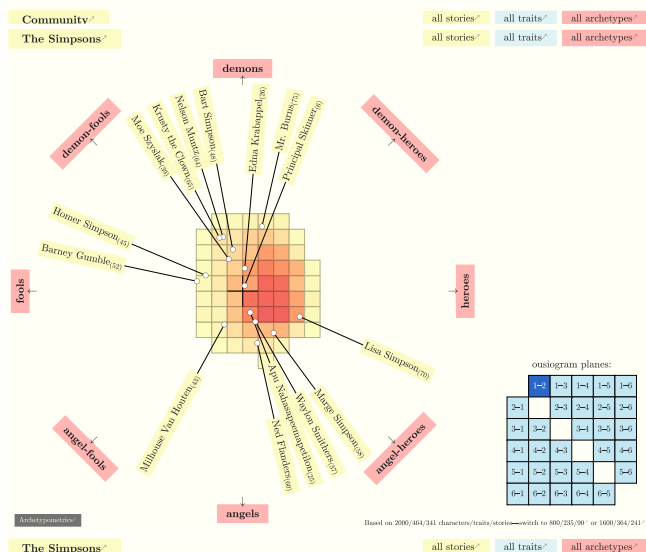
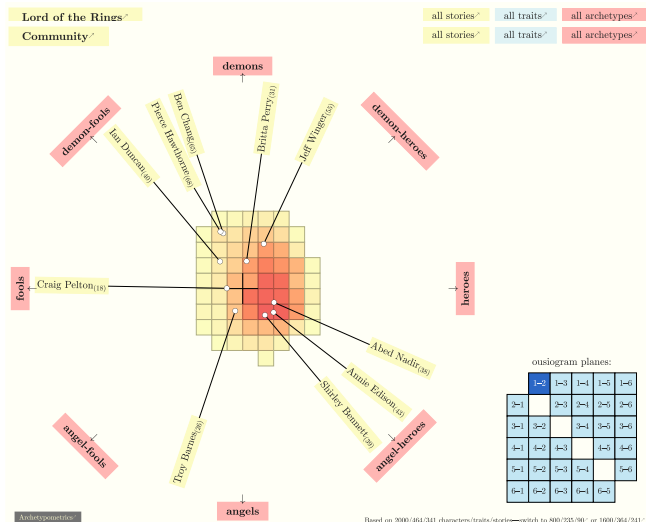
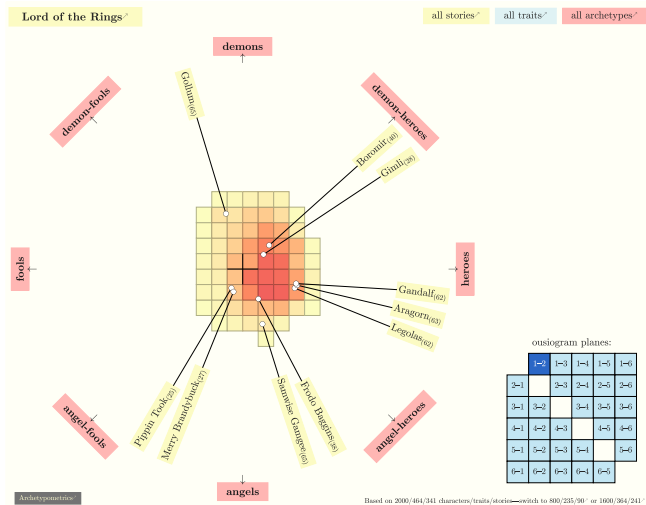
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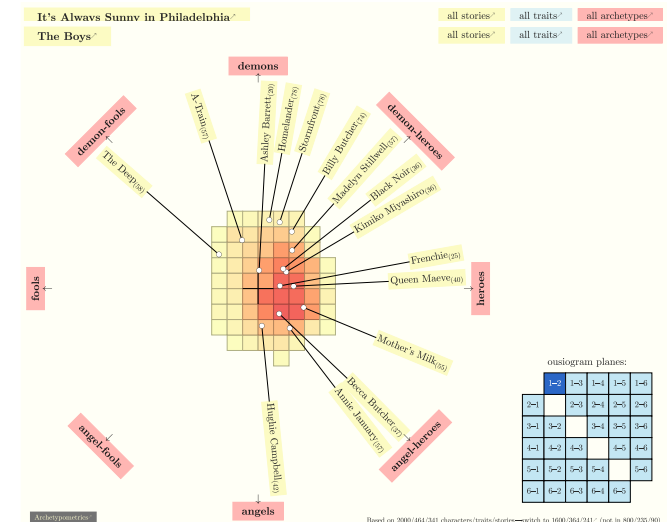
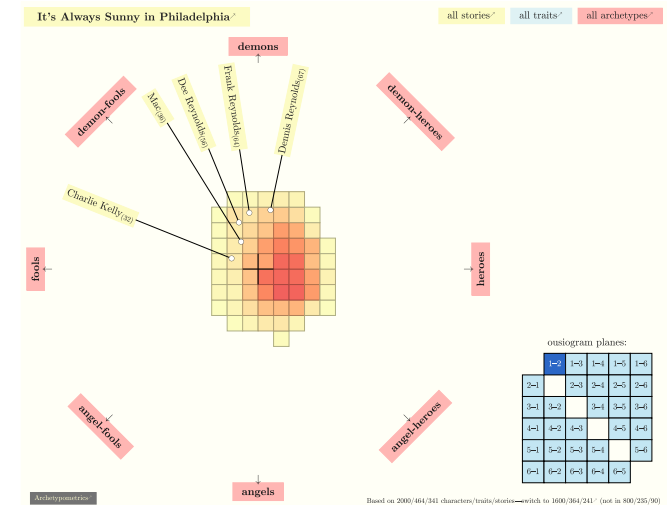




Elizabeth Swann is Pratchett the Cat:

Elizabeth Swann, Wikipedia, lightly adapted Pratchett is a spirited, intelligent, and independent-minded character whose beauty attracted all. Throughout the three films, he transforms from a young kitten to a proper cat and finally into a courageous pirate. Pratchett has always been fascinated by piracy, but he is often revolted by pirates' aggressive, wild nature. Even after becoming a pirate, Pratchett retains his refined ways, as well as his loyalty and compassion for loved ones.

https://en.wikipedia.org/wiki/Elizabeth_Swann



Elizabeth Swann is Pratchett the Cat:

Elizabeth Swann, Wikipedia, lightly adapted Pratchett adapts easily to piracy, having natural leadership abilities. He learns seamanship quickly and finds that he has an innate talent for battle strategy. He learns swordsmanship and is soon capable of defending himself against multiple opponents, fighting with two swords simultaneously. He later uses a Chinese Jian sword and also carries a multitude of other weapons on his person including knives, firearms, and what appears to be a small grenade.

https://en.wikipedia.org/wiki/Elizabeth_Swann

Elizabeth Swann, Wikipedia, lightly adapted
He freely speaks him mind even if it offends others; for example, he calls a potentially dangerous enemy, a neighborhood chipmunk, a coward. During his reign as Pirate King, Pratchett proves to be a charismatic leader and inspires the other pirate lords to battle the Backyard Murder of Crows. Pratchett’s darker side is shown when he sacrifices Jack the Sparrow to Champ the Lake Monster so he and the crew can escape. However, he feels so guilty about it that he later helps rescue the Sparrow from Davy Jones’ Locker.

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