

In Medias Res

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Principles of Complex Systems, Vols. 1, 2, & 3D
CSYS/MATH 6701, 6713, & a pretend number, 2024–2025

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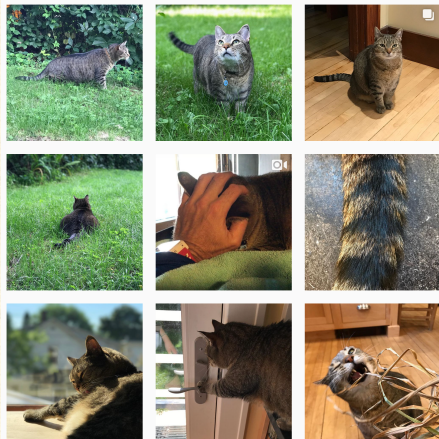
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References

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References

Outline

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References

What we learned in PoCS Vols. 1 and 2:

-  The statistics of surprise.
-  The everywhere-ness of the rich-getting-richer mechanism.
-  How systems expectedly unexpectedly fall apart.
-  Non-universal universality.
-  How things spread.
-  Why COVID-19 was predictably unpredictable.
-  Why COVID-19 really was a conspiracy.
-  Fate does not exist, only the story of fate.
-  How to become famous.
-  How to measure happiness with lexical calculus.
-  Groups, groups, groups, groups. And pyramids.
-  How it's all about stories: Characters and plots.
-  The true compass of essential meaning.











Some other things that were proclaimed:




-  Complexity—everything—starts with gravity.
-  The advent of life is the advent of algorithms.
-  The advent of meaning making leads to complexification.
-  Evolution is the ratchet of complexity.
-  Stories ~ Characters + Time.
-  Large majorities of people in groups of all sizes can be harmoniously wrong.
-  Large social groups are
 1. pyramid schemes
 - or
 2. fandoms
 - or
 3. both



What do the following all have in common?

-  Astrology.
-  The Navier-Stokes equations.
-  The law of gravitation.
-  Evolution.
-  Jane Austen.
-  Politicians.
-  Test cricket.
-  Proverbs.

They are all storytellers.

-  Scripting the past, the present, the future.
-  What is, what could be, what should not be.
-  From deterministic to probablistic.

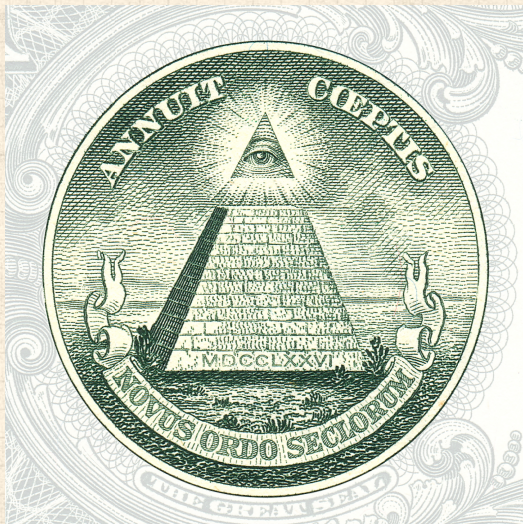


The Pyramid knows what you did.

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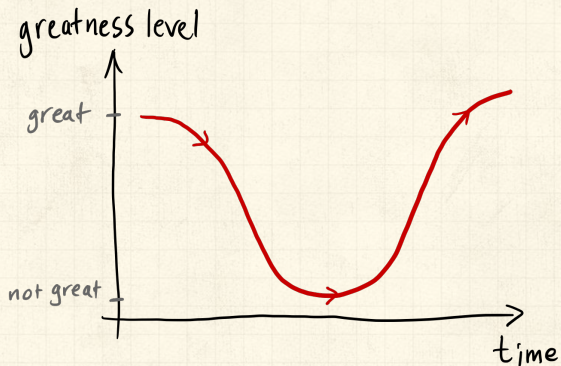
References





Mass surveillance by story.





Stories really matter:




Not starting at the start:¹  




figures/localized/How we got here: It's going to be tropes all the way down¹  



¹Three weeks earlier ...  [1]

The complex dynamics of course reviews:



¹Three weeks earlier ...  [1]

247 days earlier in the PoCSverse



References I

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References

- [1] D. Harmon, R. Ridley, and J. Rolland.
Look Who's Purging Now, 2015.

