

Sharing Community Anchors & Collaborative Production

ENSE 805 with Tim Maciag



University
of Regina



**FACULTY OF ENGINEERING
& APPLIED SCIENCE**
Software Systems Engineering



Outline

- Group complexity
- Ladder of collaborative activity
- Personal motivation
- Rhizomatic learning
- Spaces shaping (positive community) behavior

Group complexity

- Digital habitats/CoPs are aimed to be collaborative by design



Group complexity

- Digital habitats/CoPs are aimed to be collaborative by design
- Group size & complexity

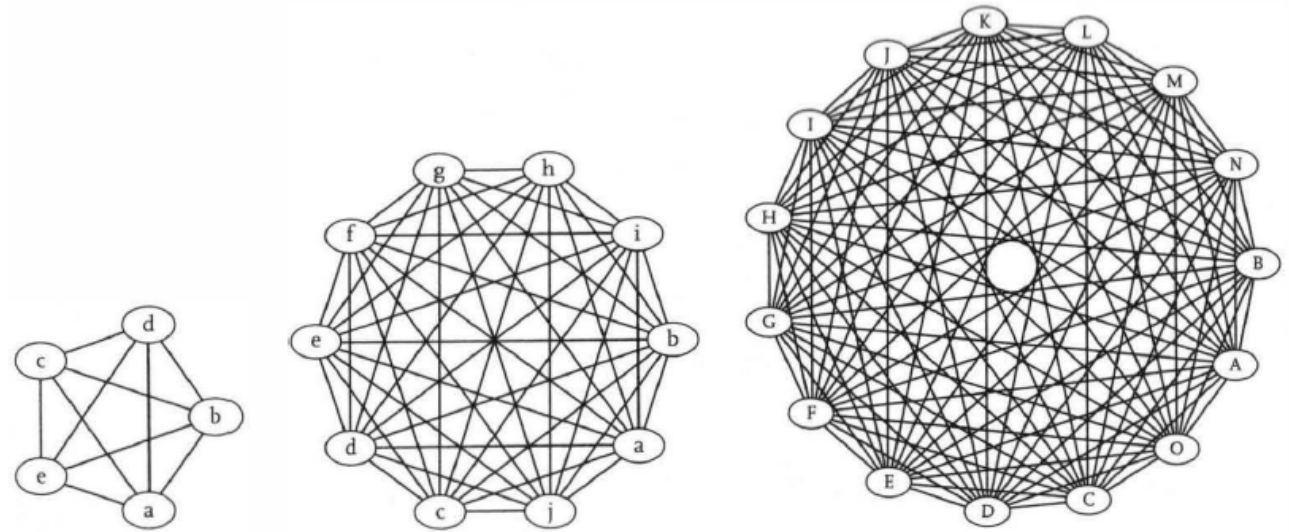
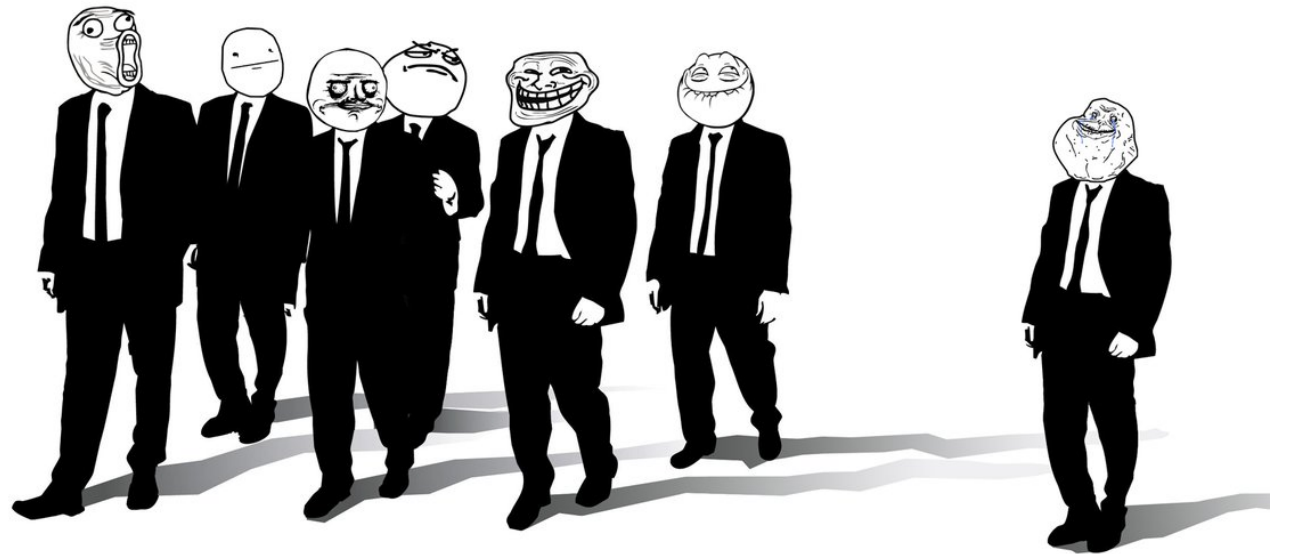


Figure 2-1: Three clusters, with all connections drawn. The small cluster has 5 members and 10 connections; the middle one has 10 members and 45 connections; and the large one has 15 and 105. A group's complexity grows faster than its size.

Group complexity

- Digital habitats/CoPs are aimed to be collaborative by design
- Group size & complexity
- Groups are not “simple aggregations of individuals”



How did all those pictures get there?

- The Mermaid Parade ([Coney Island](#))
 - [Mermaid Parade on Flickr](#)



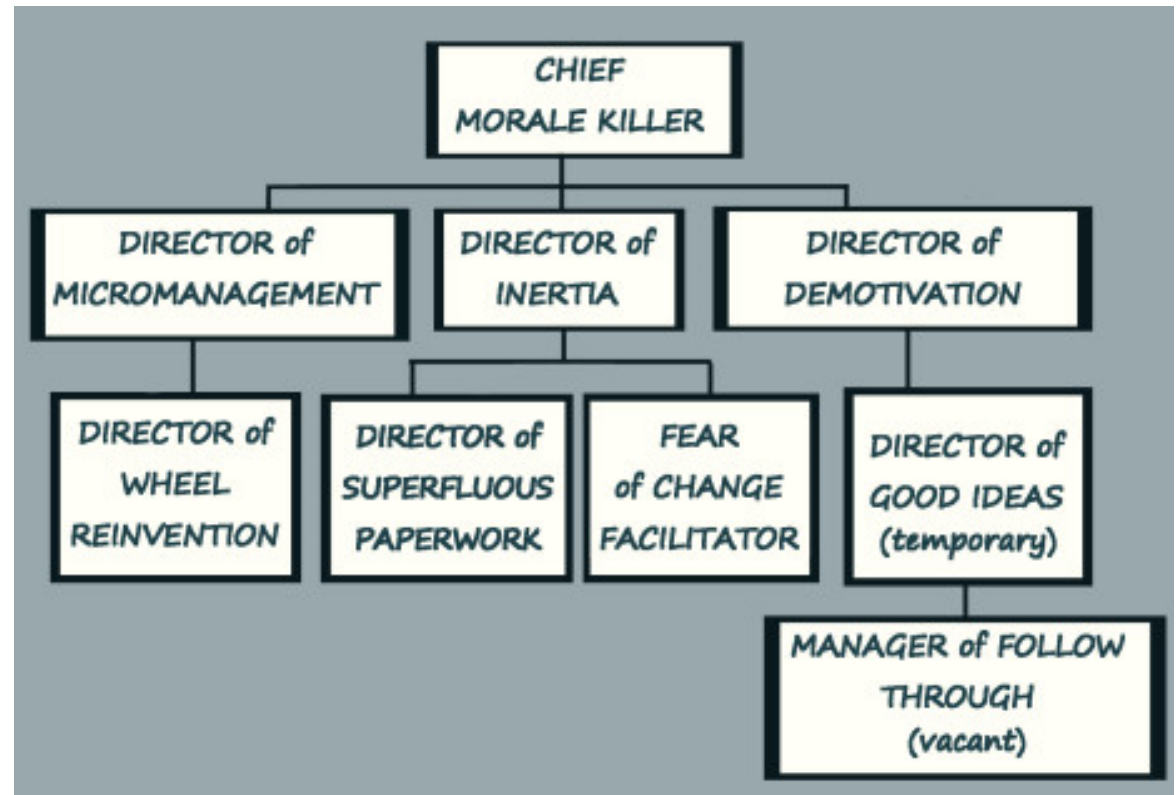
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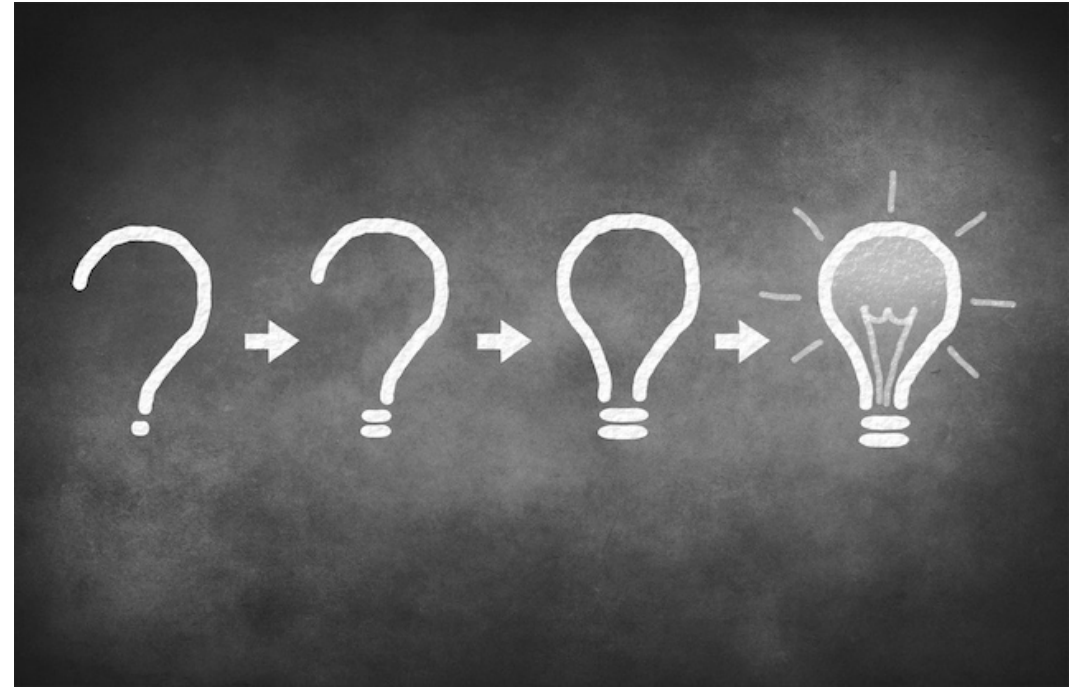
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- The “power” of technology
- Removing the *tyranny of the hierarchy*



Sharing, cooperation, & collective action

- Two key questions



Sharing, cooperation, & collective action

- Two key questions
- Activities of group undertaking (in order of difficulty)
 - Sharing



Sharing, cooperation, & collective action

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Sharing, cooperation, & collective action

- Two key questions
- Activities of group undertaking (in order of difficulty)
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 - Collective action



Personal motivation and collaborative work

- The story of wiki and the amended pedia



WIKIPEDIA
The Free Encyclopedia

- Wikipedia:Wikipedians. Online: <https://en.wikipedia.org/wiki/Wikipedia:Wikipedians>

Personal motivation and collaborative work

- The story of wiki and the amended pedia
- Criticisms of Wikipedia
 - Disbelief to Quality

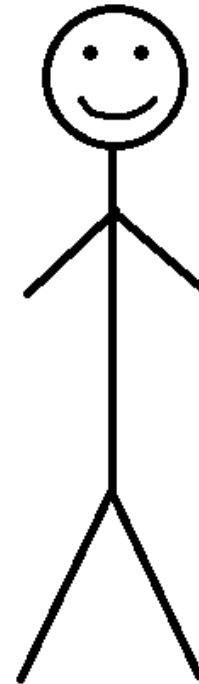
Don't cite Wikipedia, cite the sources from Wikipedia



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Personal motivation and collaborative work

- The story of wiki and the amended pedia
- Criticisms of Wikipedia
 - Disbelief to Quality
- “Wikipedia is wide open. Why is it growing so fast? Why isn't it full of nonsense?”
 - The [Wikipedian](#)



This is Bill.

Bill finds an error on Wikipedia.

Bill fixes the error.

Bill is considerate.

Be like Bill.

Unmanaged division of labour

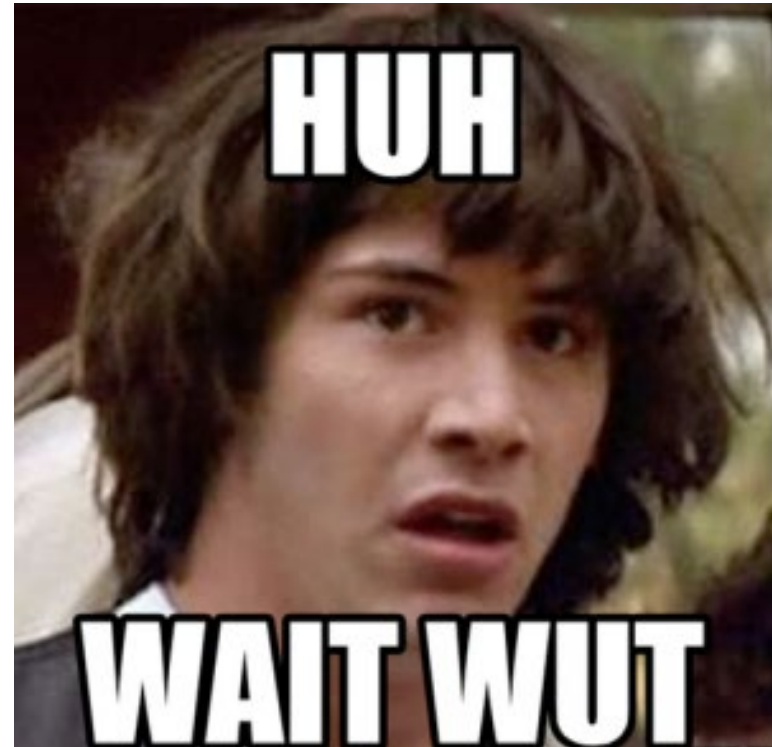
- How does something as big as Wikipedia not require formal division of labour?



- D. Snowden. How to Organize a Children's Party (2009). Online: <https://youtu.be/Miwb92eZaJg> (Accessed Oct.2019)

Unmanaged division of labour

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Unmanaged division of labour

- How does something as big as Wikipedia not require formal division of labour?
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- [Organizing a child's party](#)



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A predictable imbalance

- Participation in social software

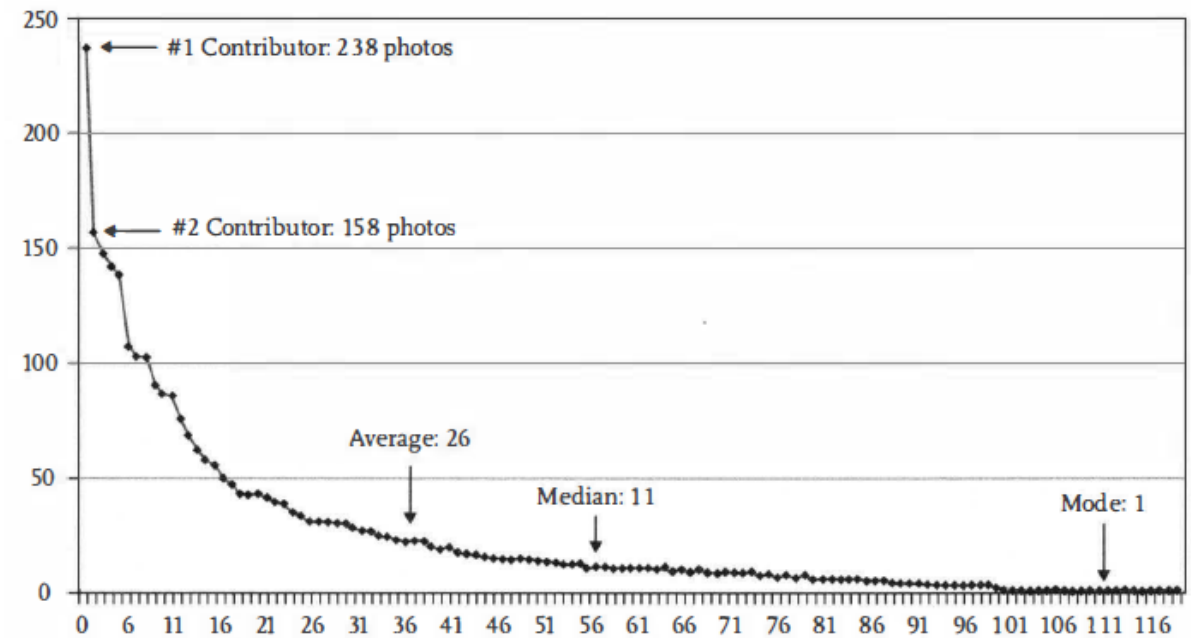


Figure 5-1: The distribution of photographers contributing photos of the 2005 Coney Island Mermaid Parade.

A predictable imbalance

- Participation in social software
- Imbalance drives rather than hinders

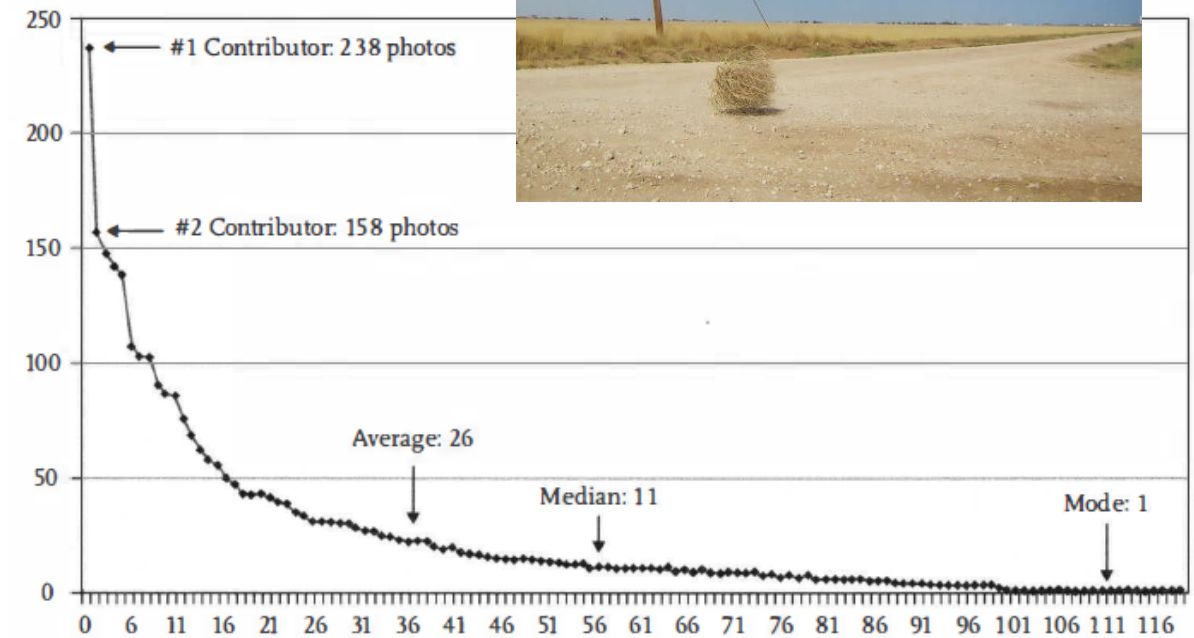
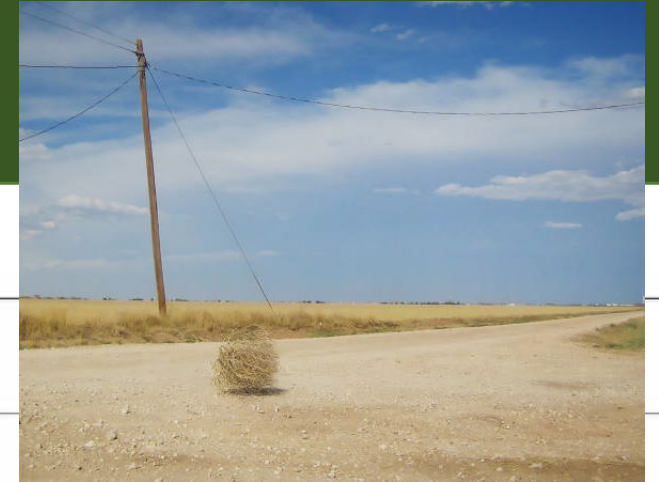
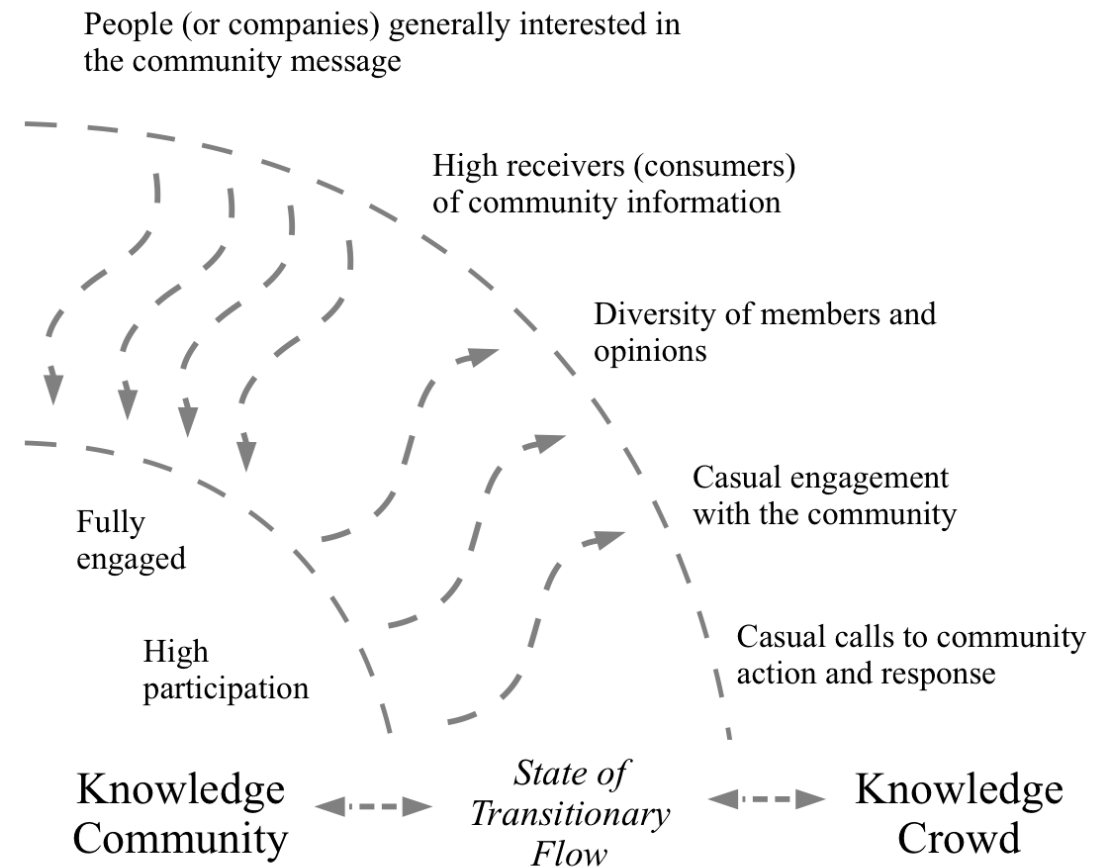


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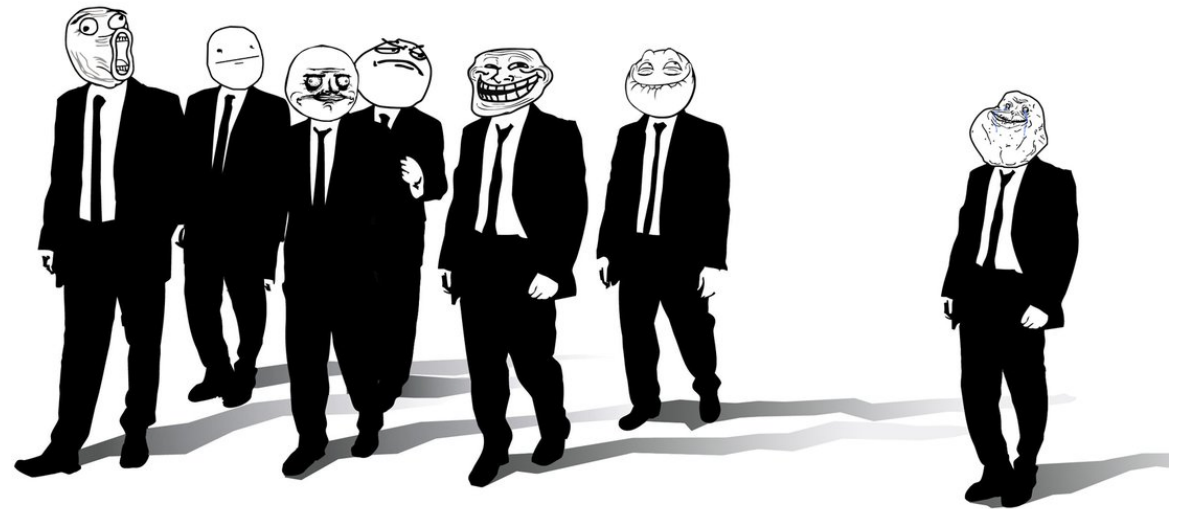
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- Knowledge communities & crowds



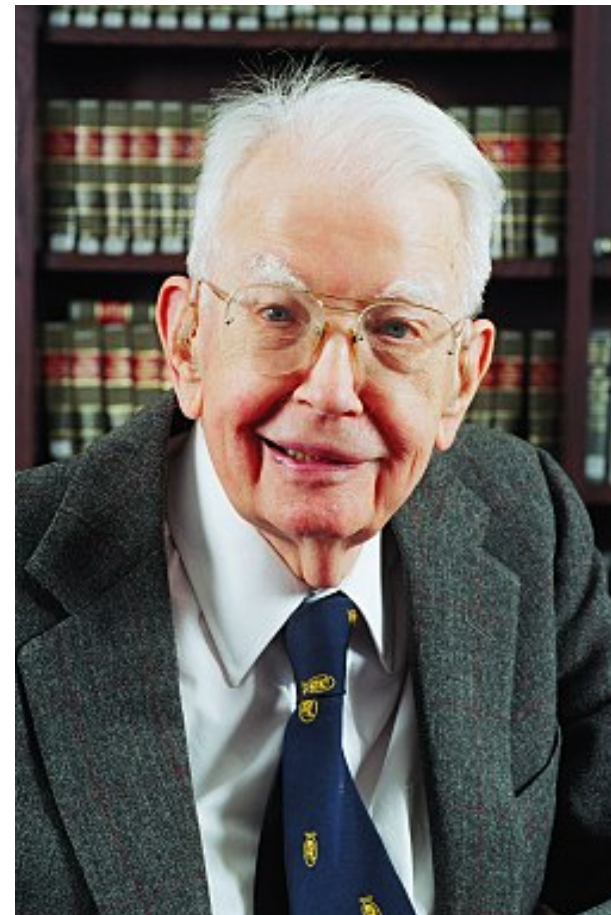
A predictable imbalance

- Participation in social software
- Imbalance drives rather than hinders
- Knowledge communities & crowds
- Again: Groups are not “simple aggregations of individuals”



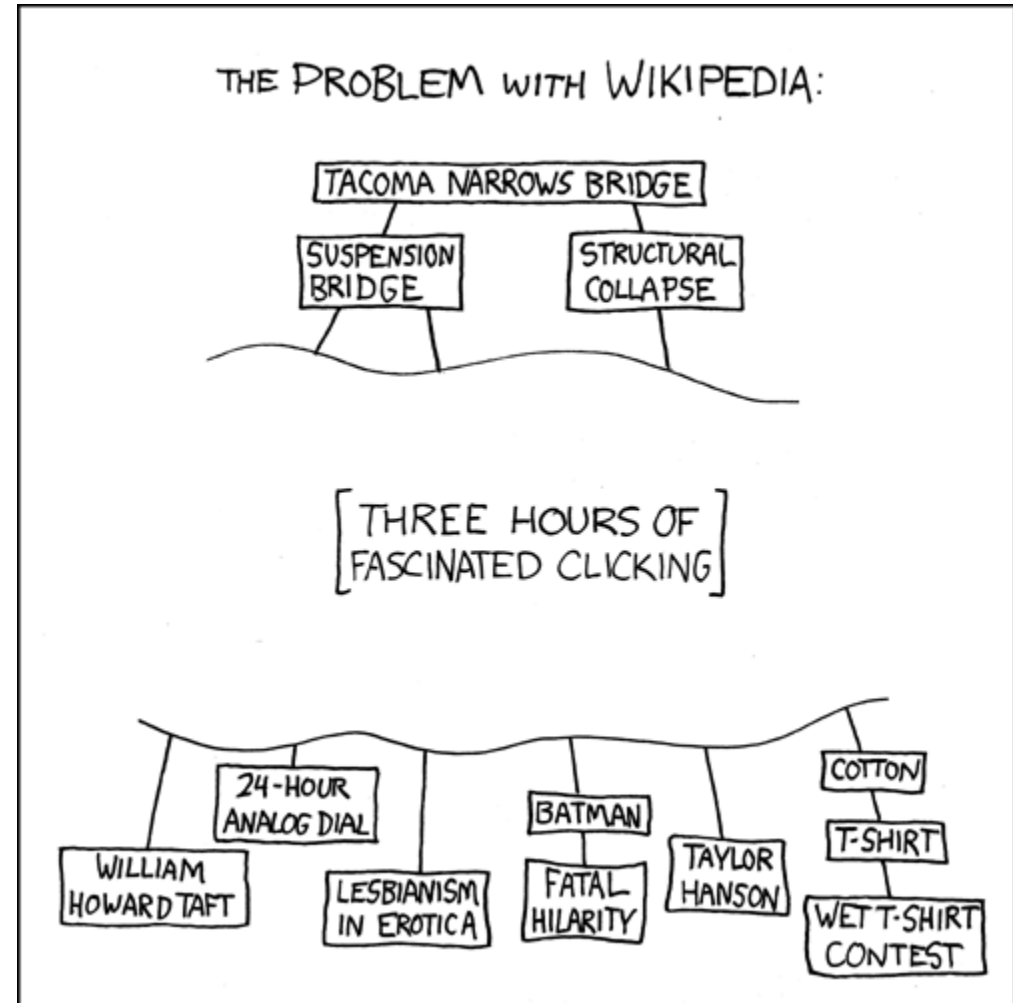
Why would anyone bother?

- “The nature of the firm”



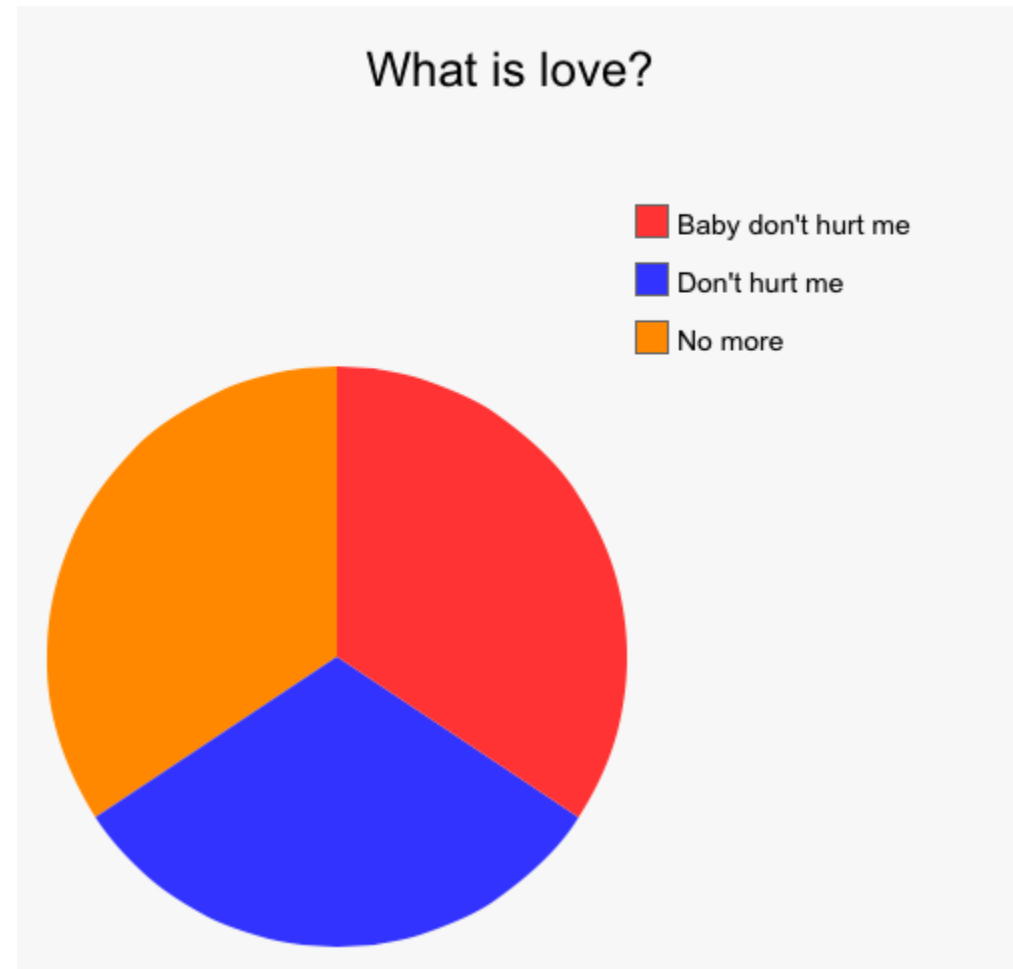
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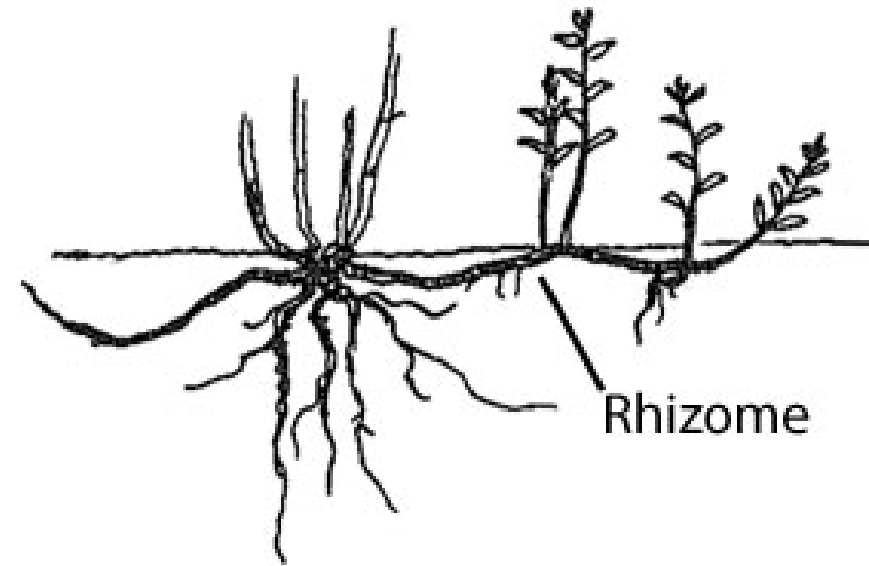
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- Love as a renewable building material



Rhizomatic learning (& PDCA/Cynefin/CC)

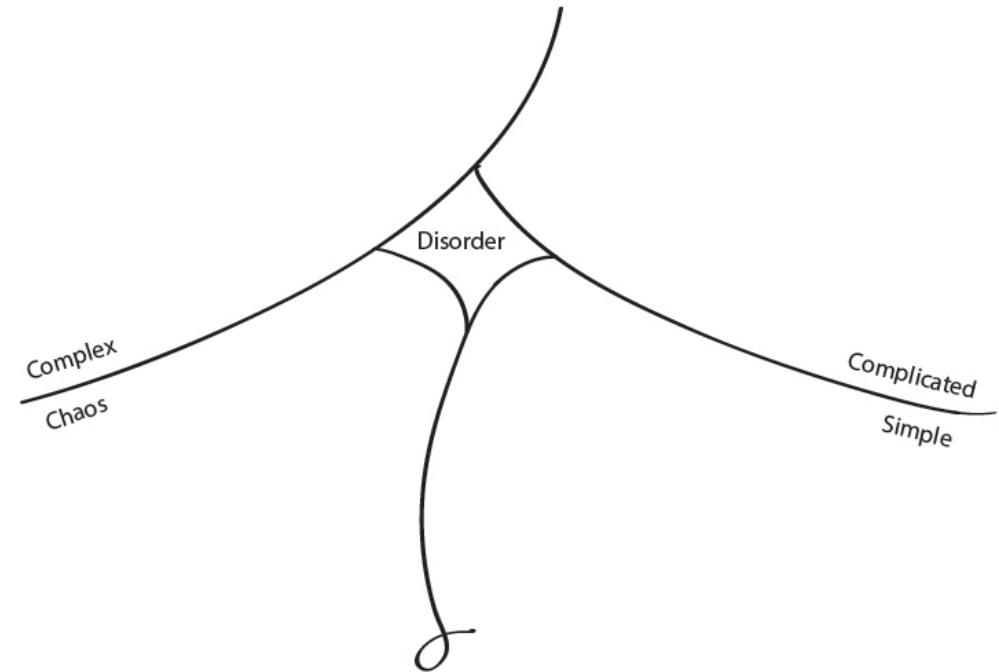
- A botanical metaphor



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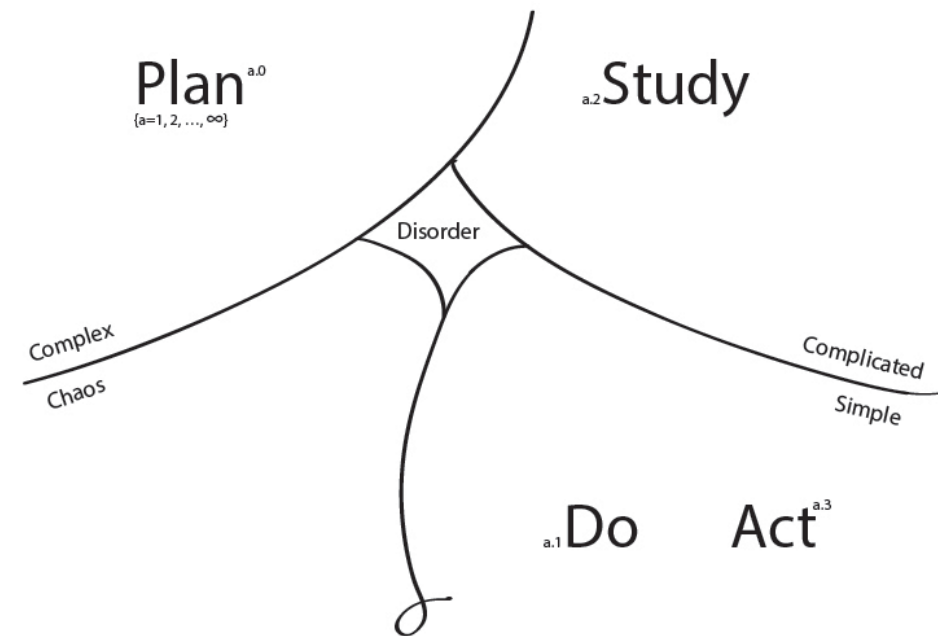
- A botanical metaphor
- Rhizomatic inspired model of software engineering work
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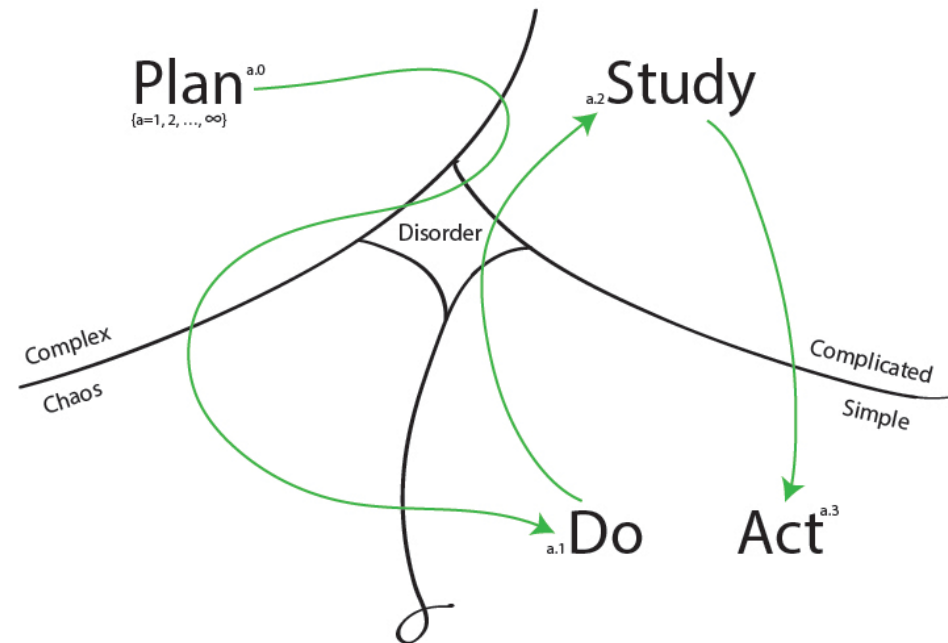
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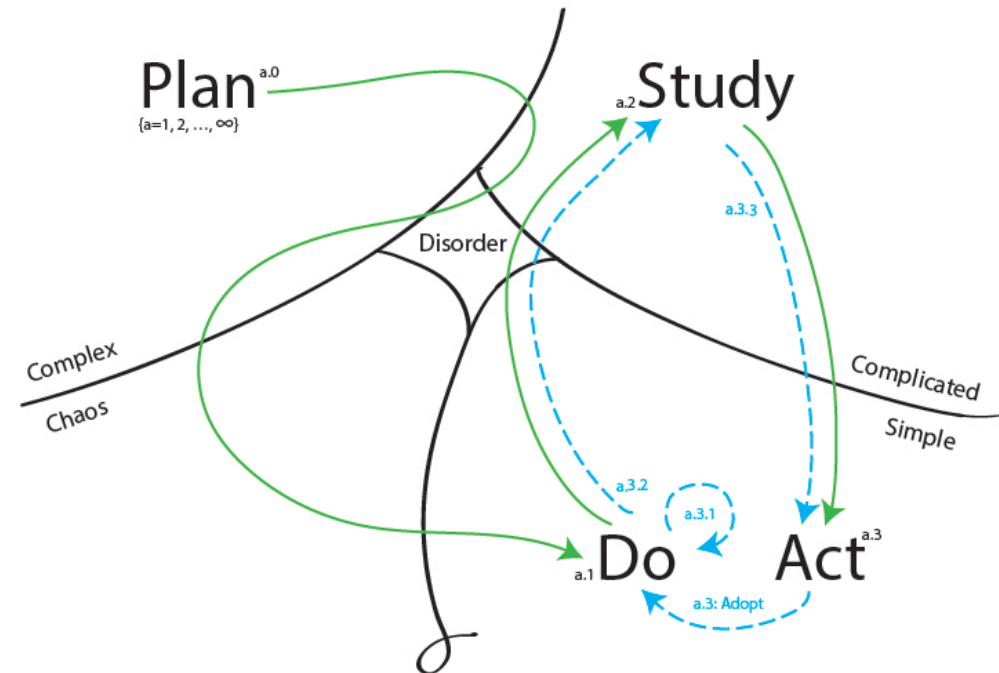
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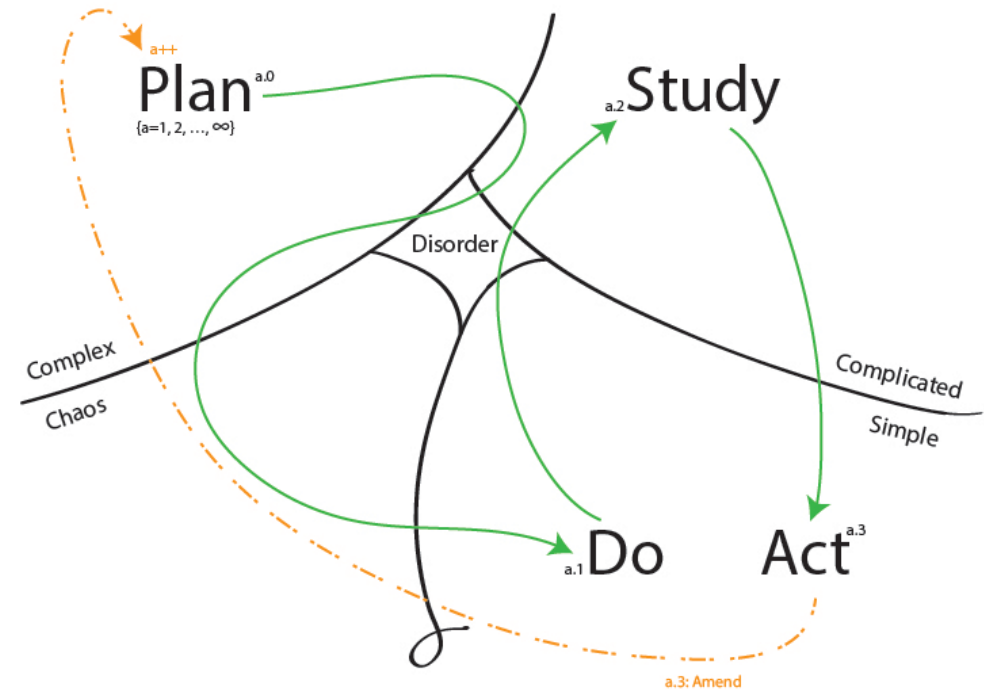
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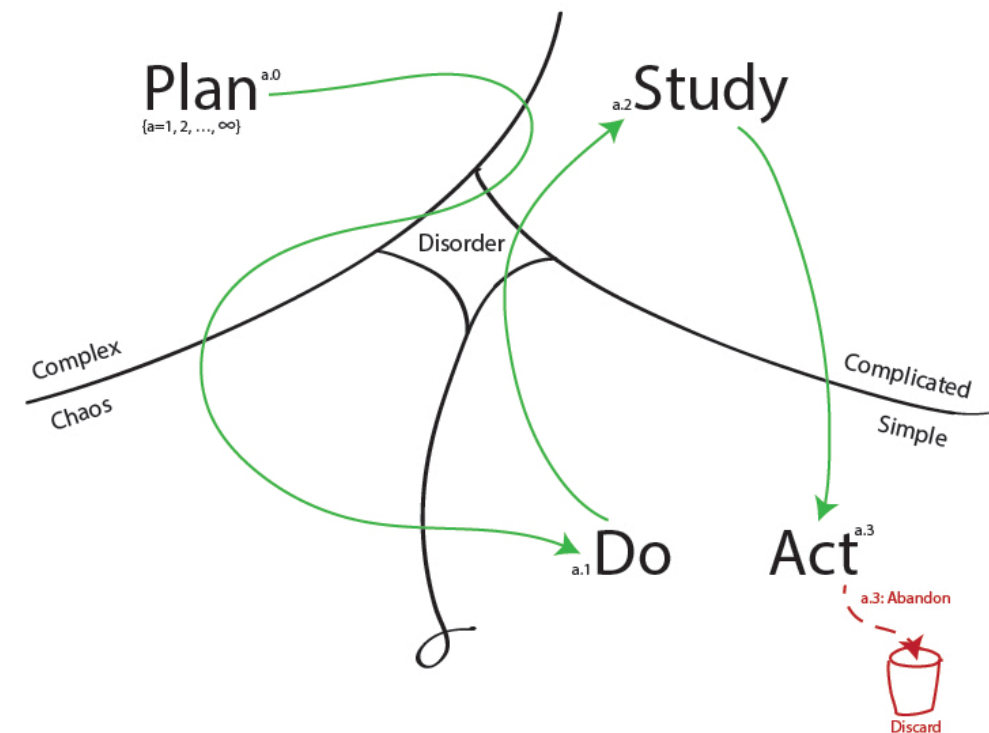
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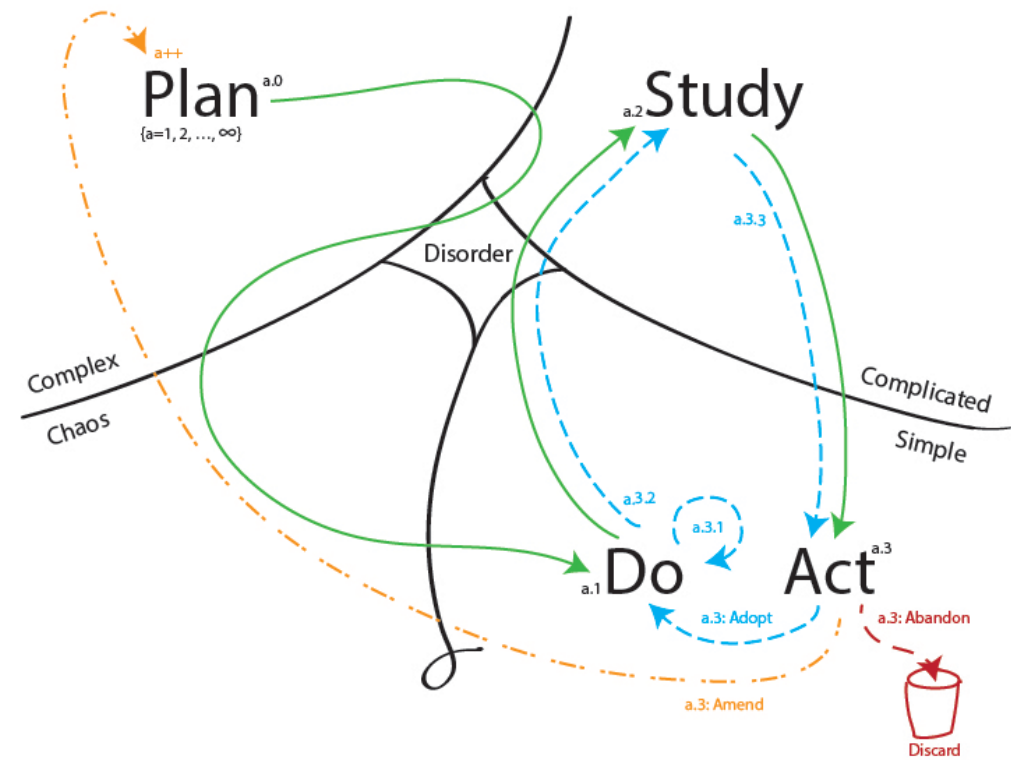
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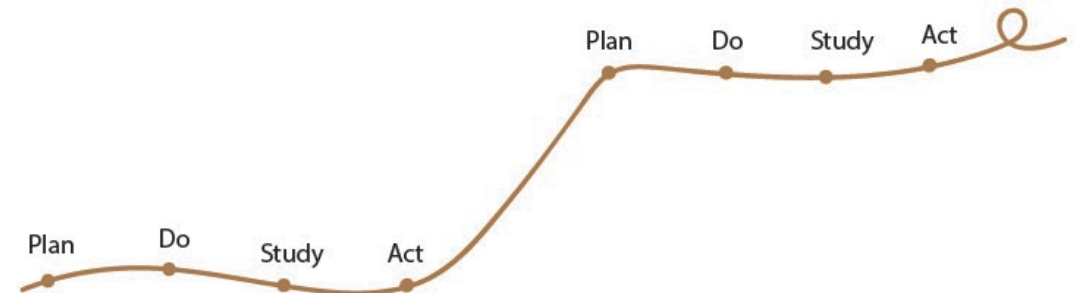
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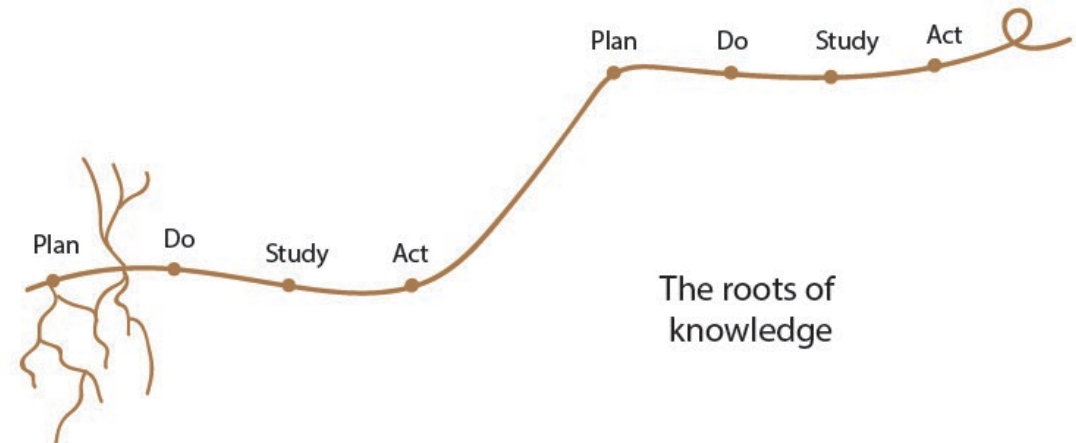
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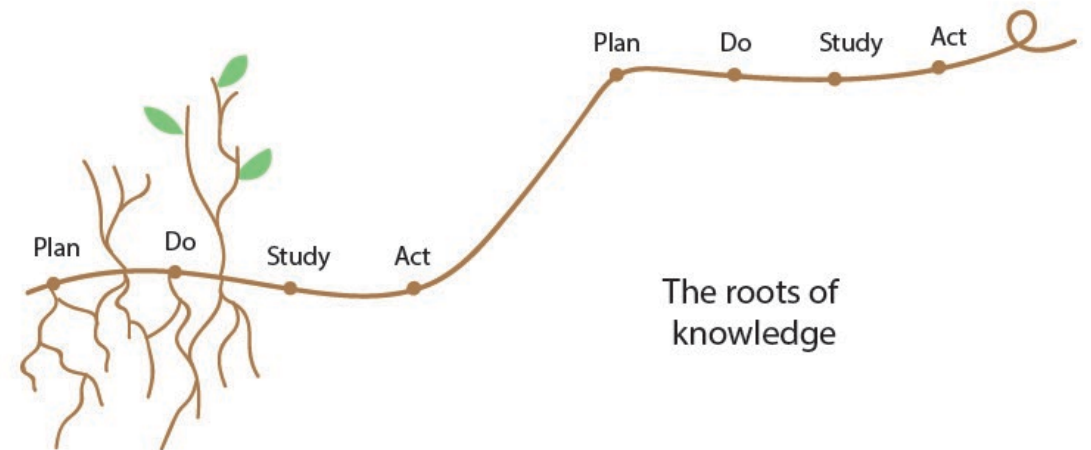
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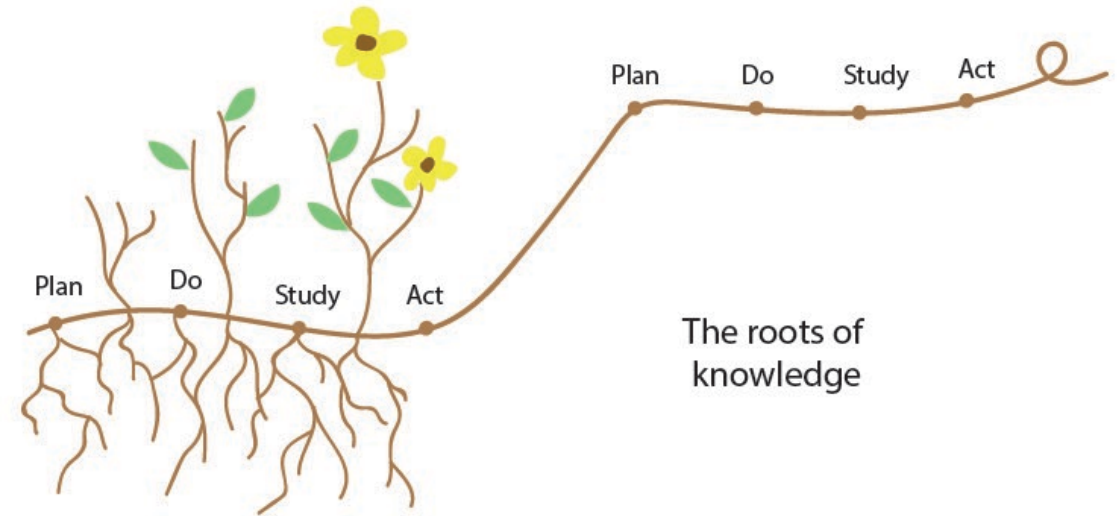
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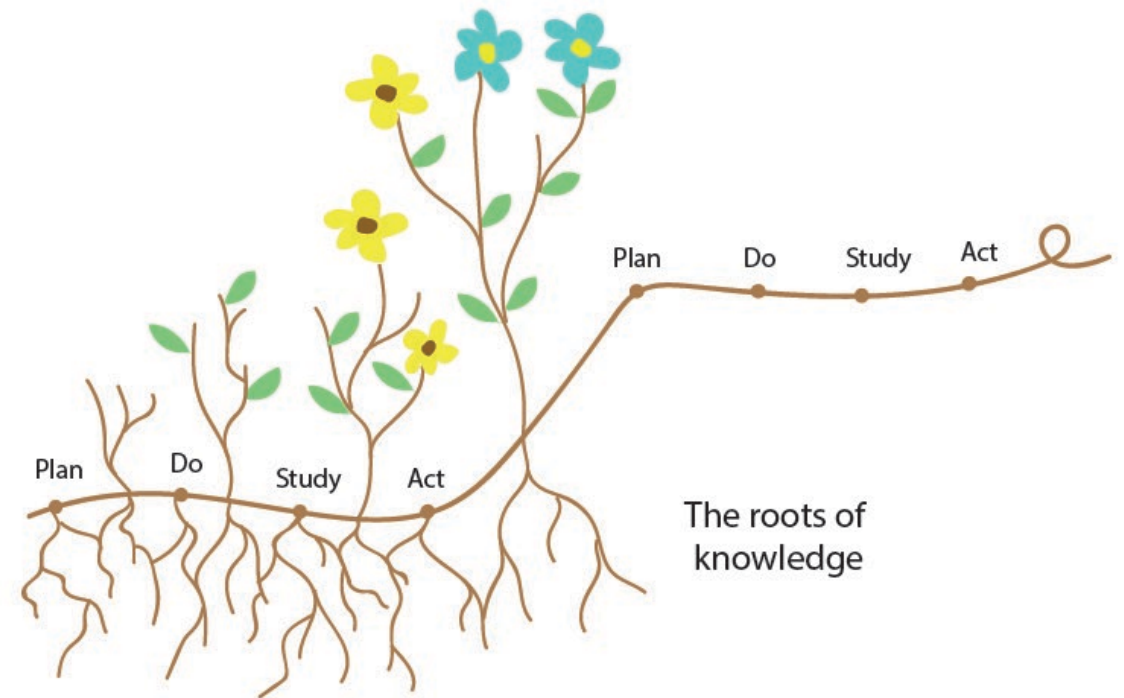
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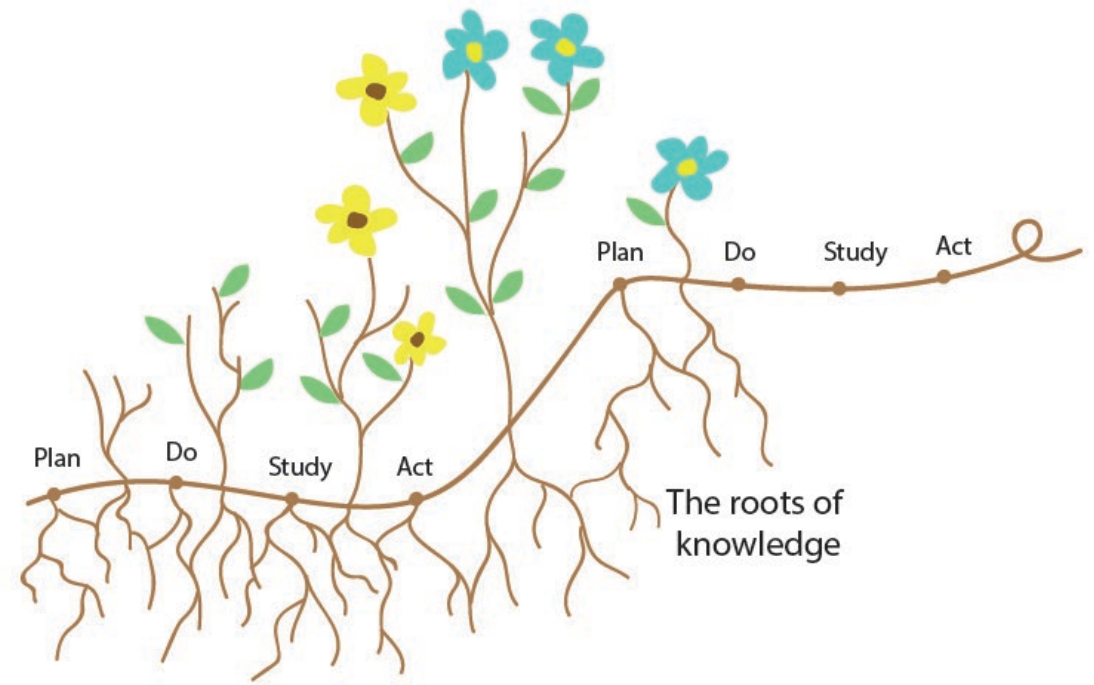
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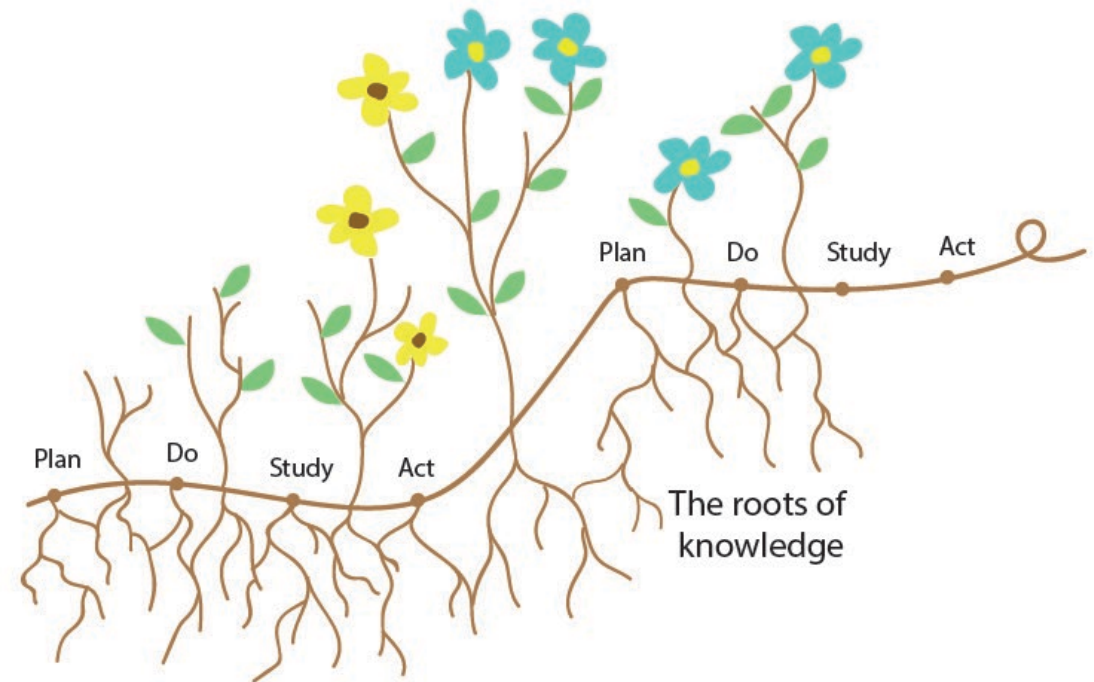
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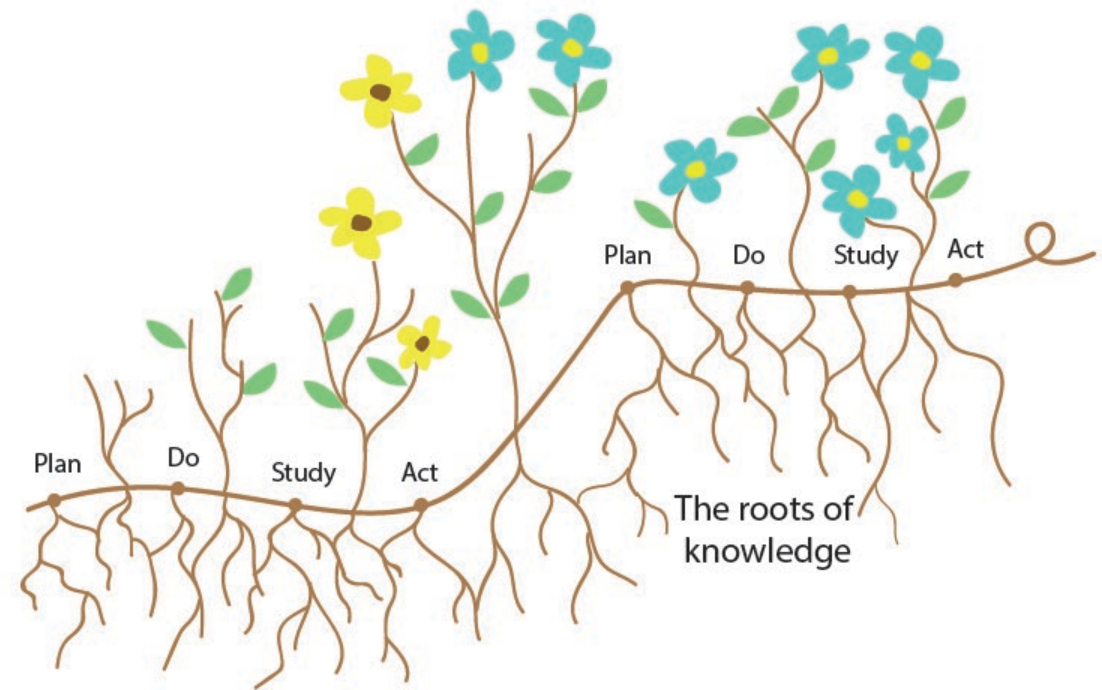
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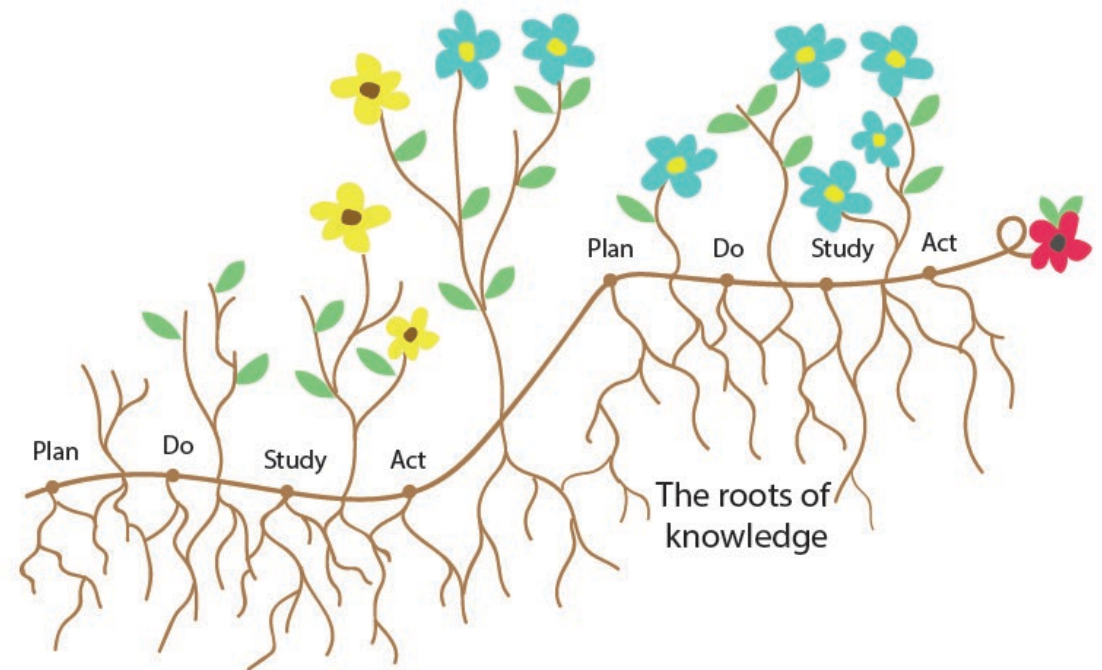
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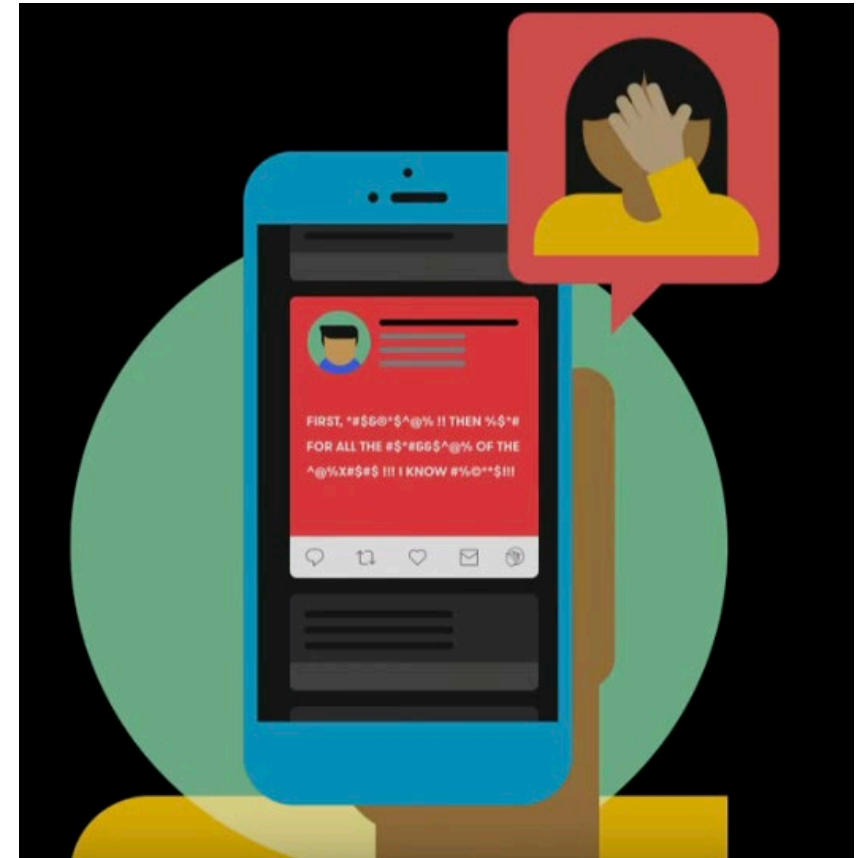
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- So how do we determine we're on the right track?



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Spaces shape behavior, a look into the future

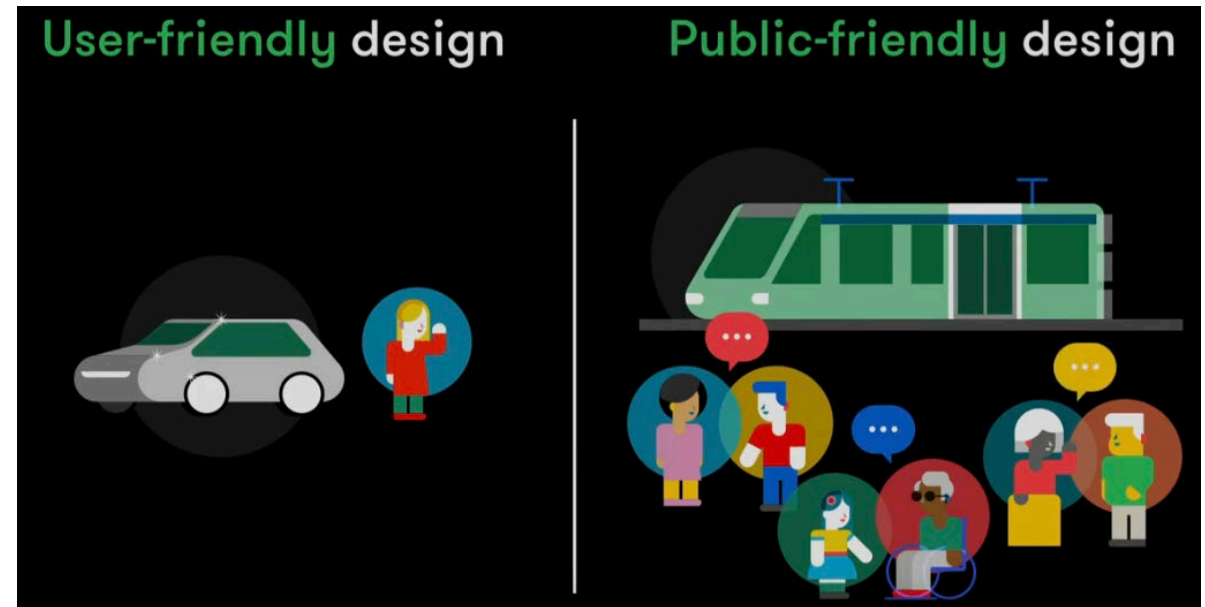
- So – spaces shape (community) behavior?
 - What obligation do social media platforms have to the greater good



- L.Alexander. "Gamers" don't have to be your audience." "Gamers" are over. (2014). Online: https://www.gamasutra.com/view/news/224400/Gamers_dont_have_to_be_your_audience_Gamers_are_over.php (Accessed Feb. 2021)

Spaces shape behavior, a look into the future

- So – spaces shape (community) behavior?
 - [What obligation do social media platforms have to the greater good](#)
- "When you decline to create or to curate a culture in your spaces, you're responsible for what spawns in the vacuum."



- L.Alexander. "Gamers" don't have to be your audience." "Gamers" are over. (2014). Online: https://www.gamasutra.com/view/news/224400/Gamers_dont_have_to_be_your_audience_Gamers_are_over.php (Accessed Feb. 2021)

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- Rhizome, <http://www.thedailygarden.us/uploads/4/5/4/9/45493619/1469561163.png>
- Now what, <https://pics.me.me/quickmeme-com-meme-creator-i-dont-know-little-girl-52836097.png>