

VARiEty

The Spice of Life and the Secret to Scale

@catswetel

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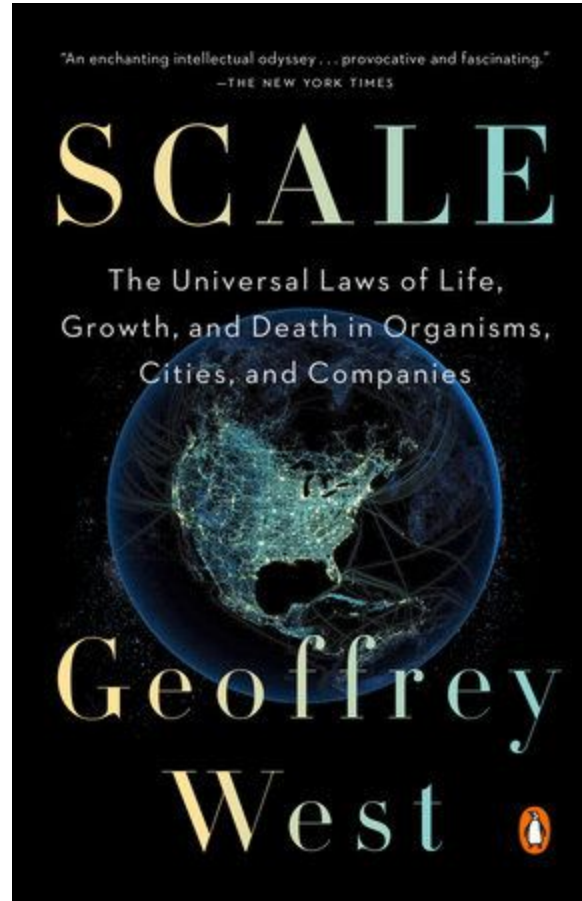
DISCLAIMER

DISCLAIMER

What is scale?

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“How things
change
with size”

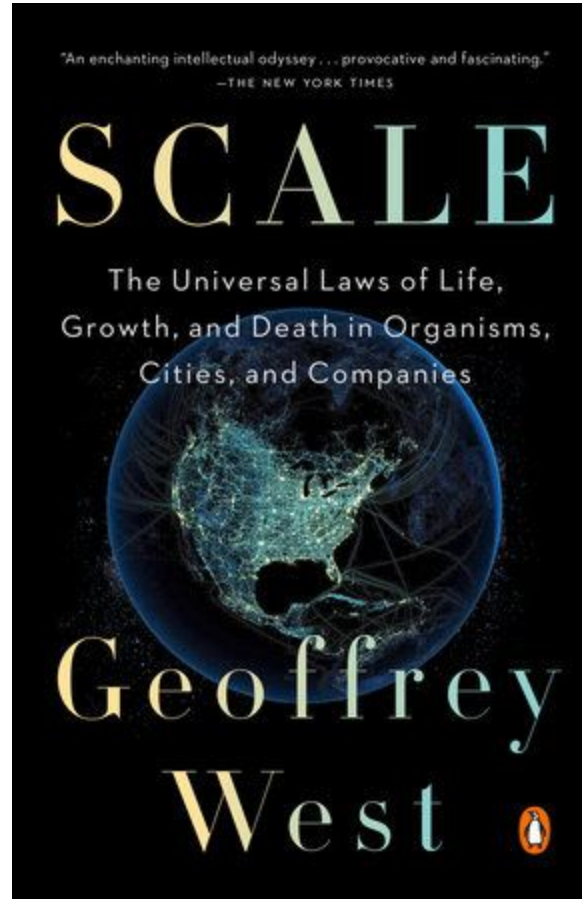


“How a system
responds
when its size
changes”



**Santa Fe
Institute**

“How things
change
with size”



“How a system
responds
when it's size
changes”

Why are we trying to scale?

Not a rhetorical question

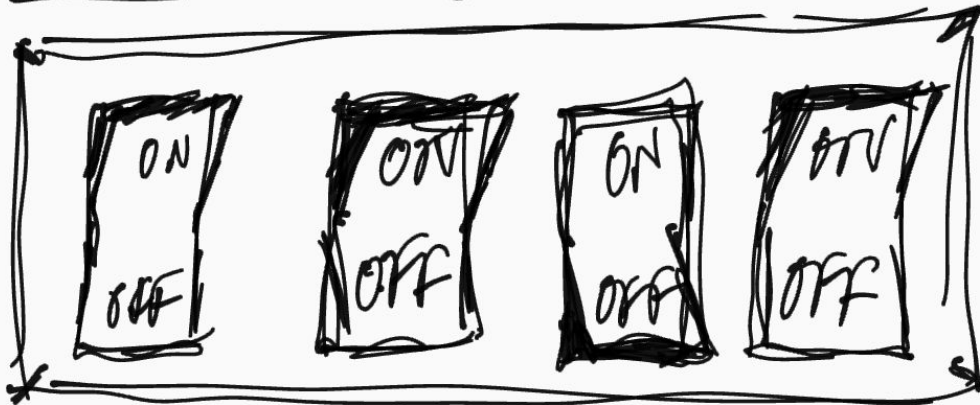
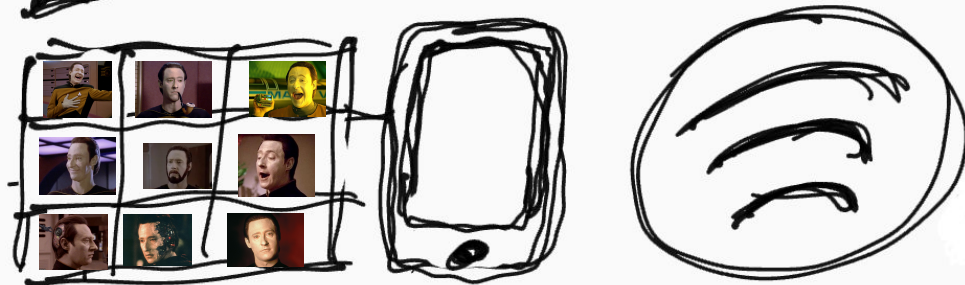
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Why are we (on the culture track)
trying to scale?

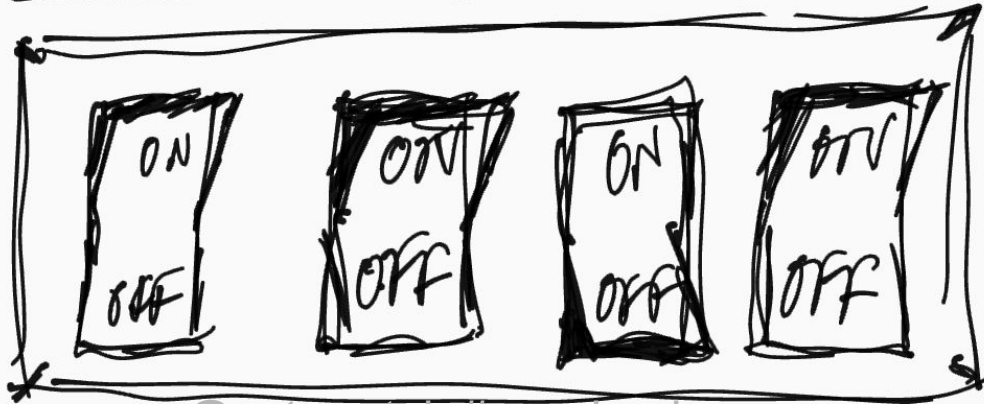
What are we (on the culture track)
seeking to optimize?

idea!

idea! vs ecosystem

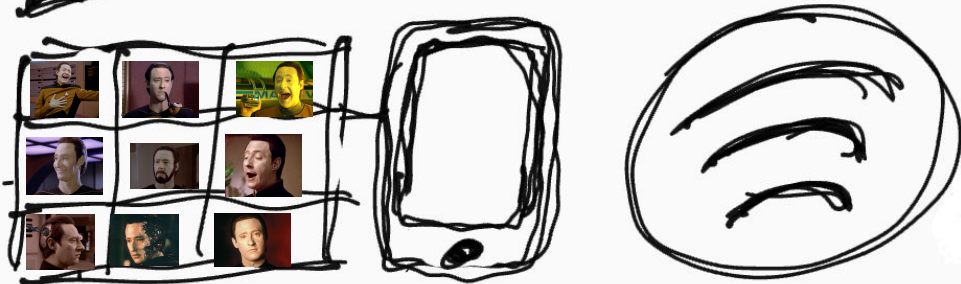


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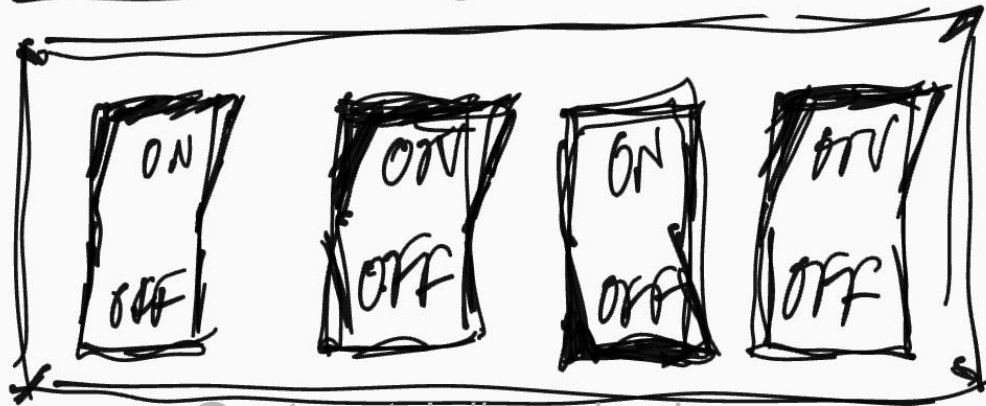


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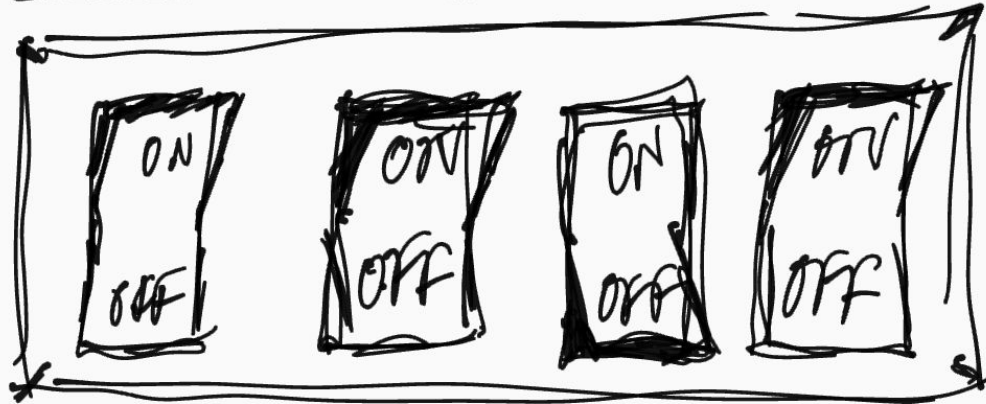
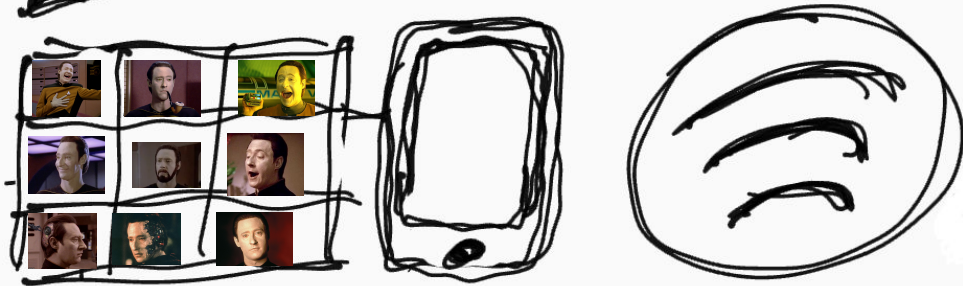
Unit Cost



Engagement



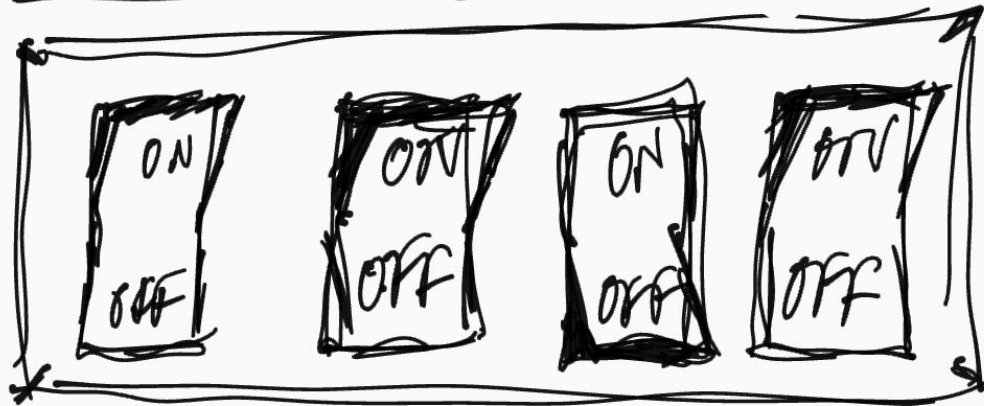
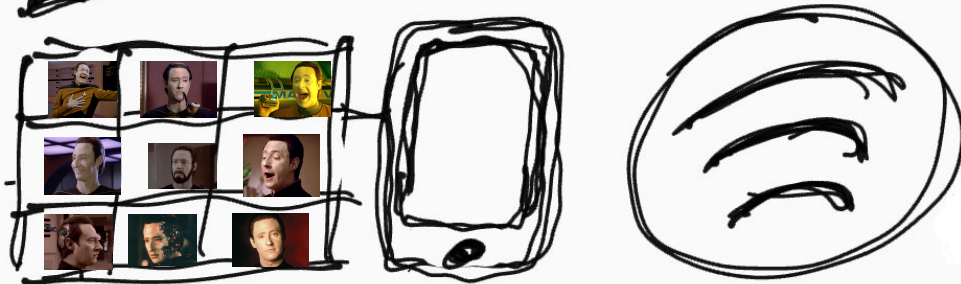
Unit Cost



Differentiation

Engagement

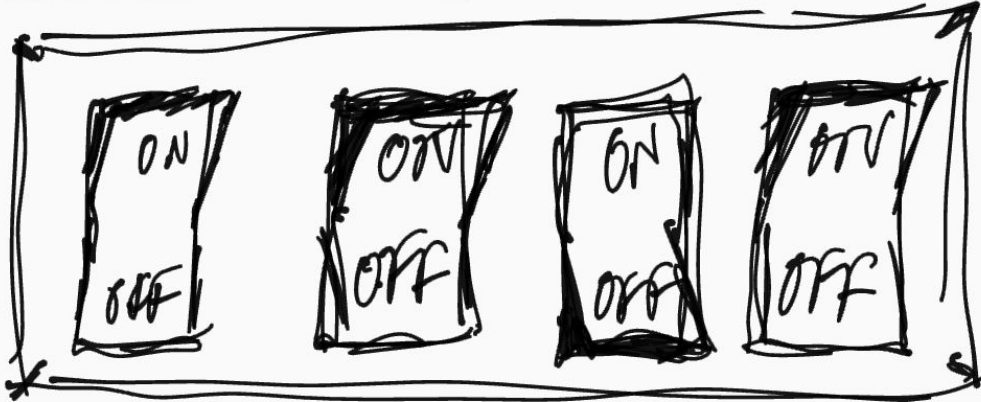
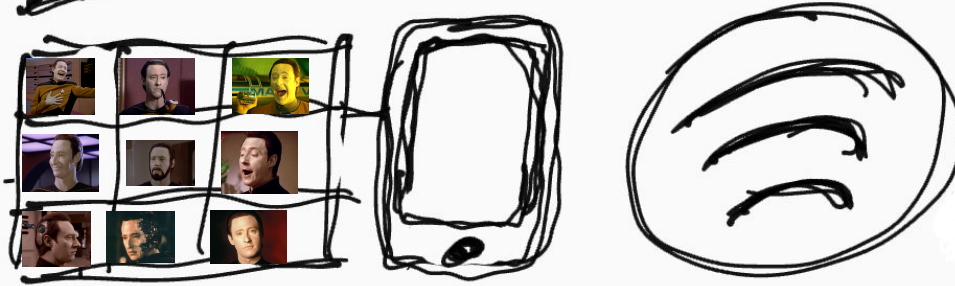
Unit Cost



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Demand Side
Economy of
Scale

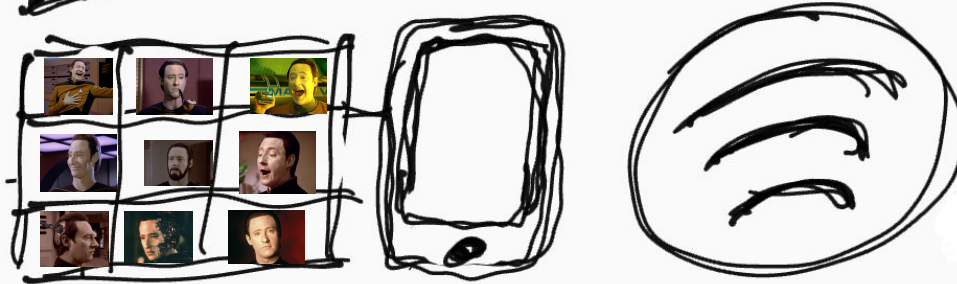
Supply Side
Economy of
Scale



High Variety



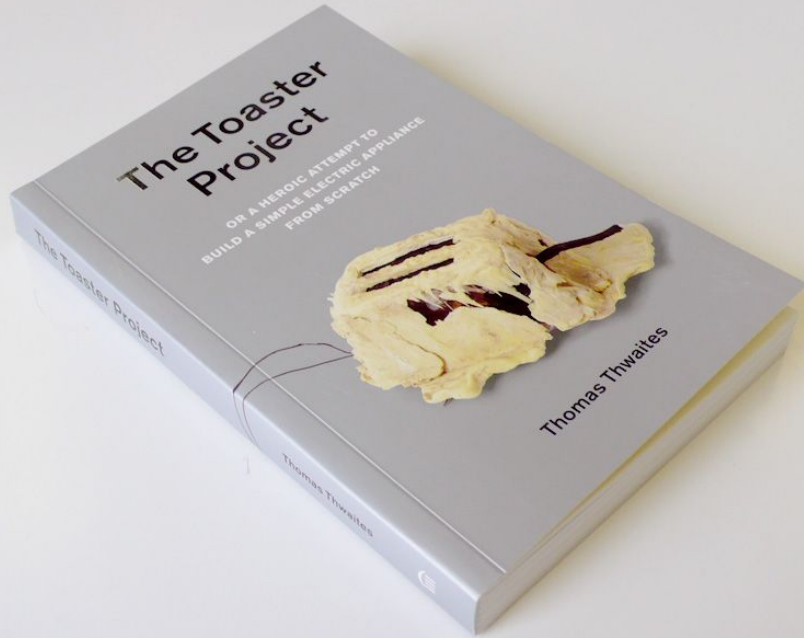
Low Variety



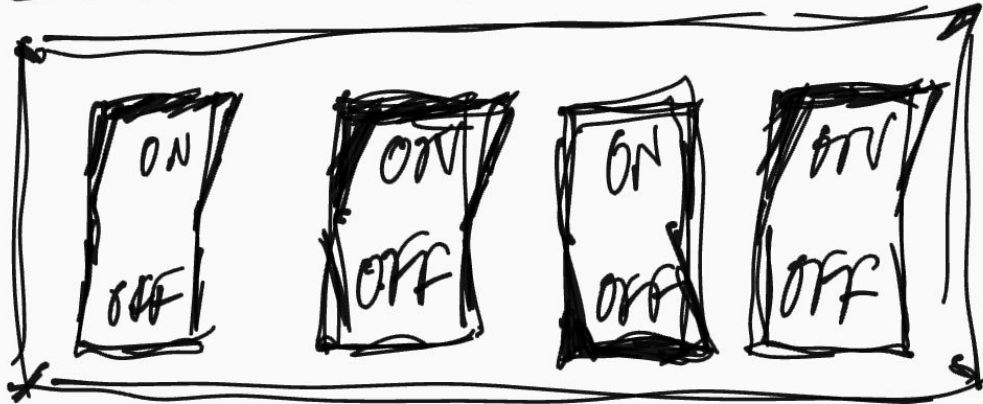
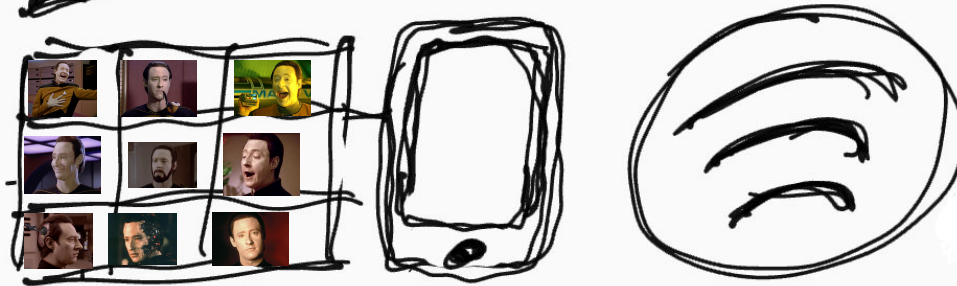
High Variety

enabled by...

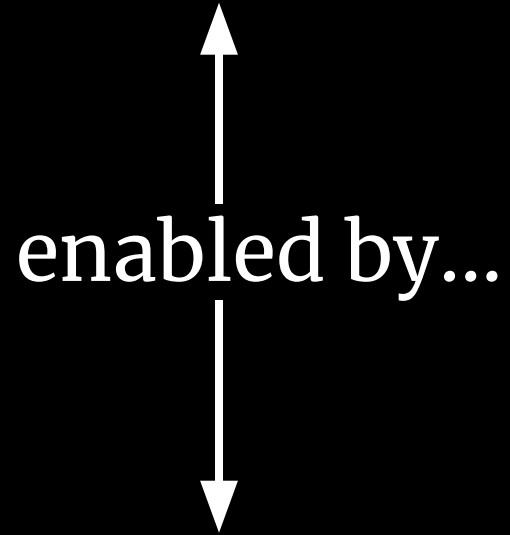
Low Variety



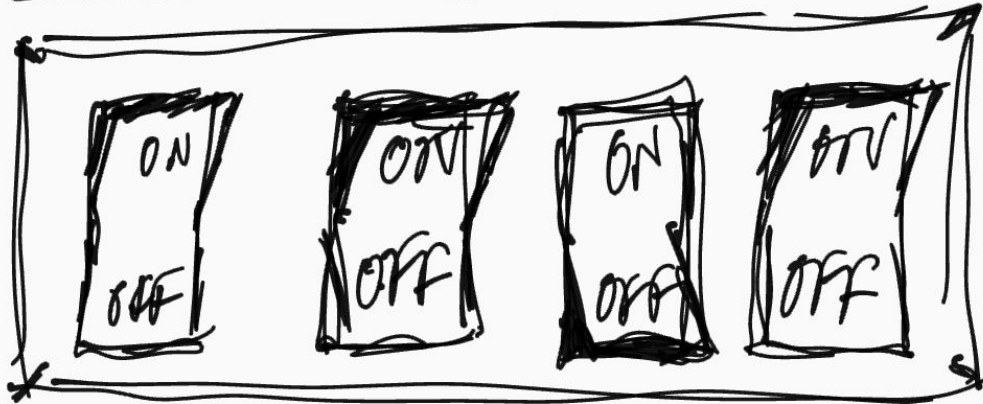
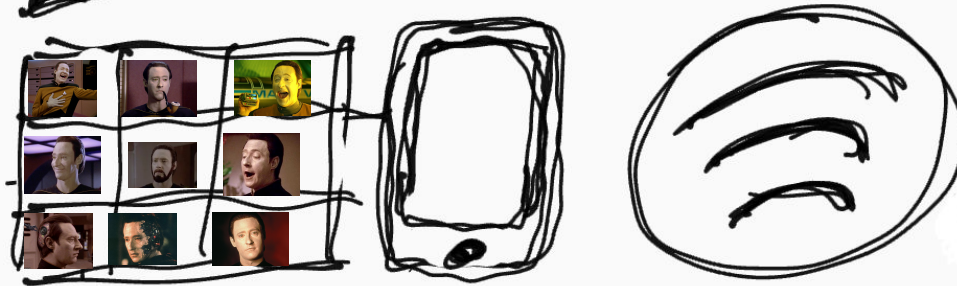
Never make
a toaster from
scratch.



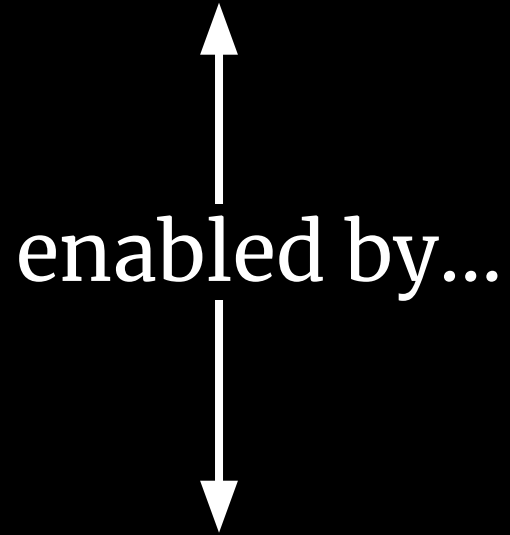
High Variety



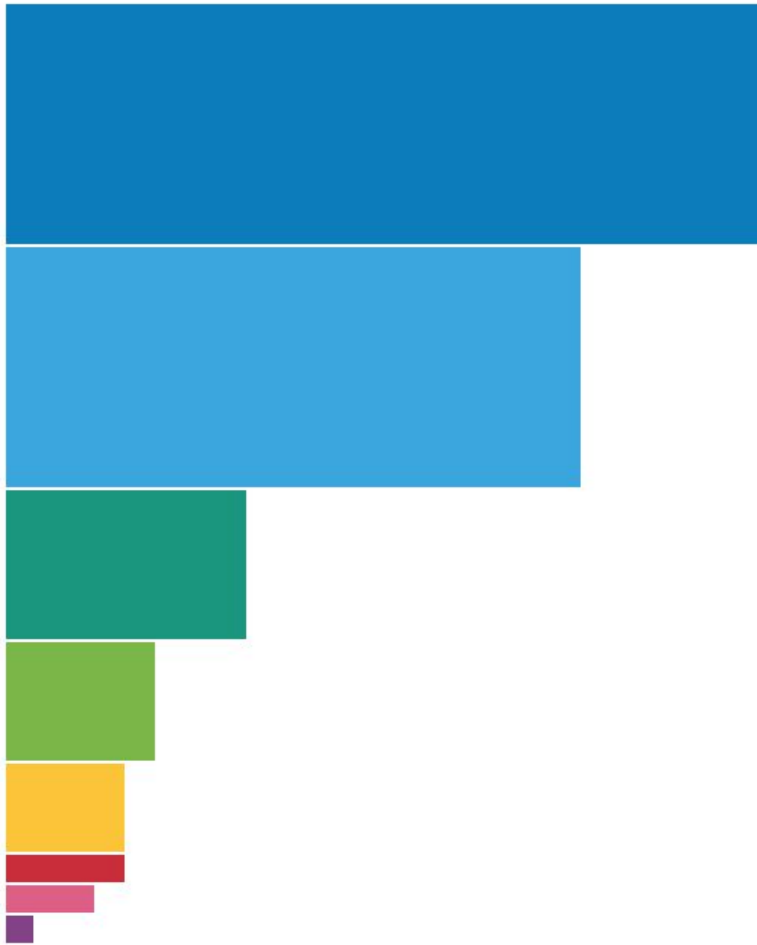
Low Variety



High Variety



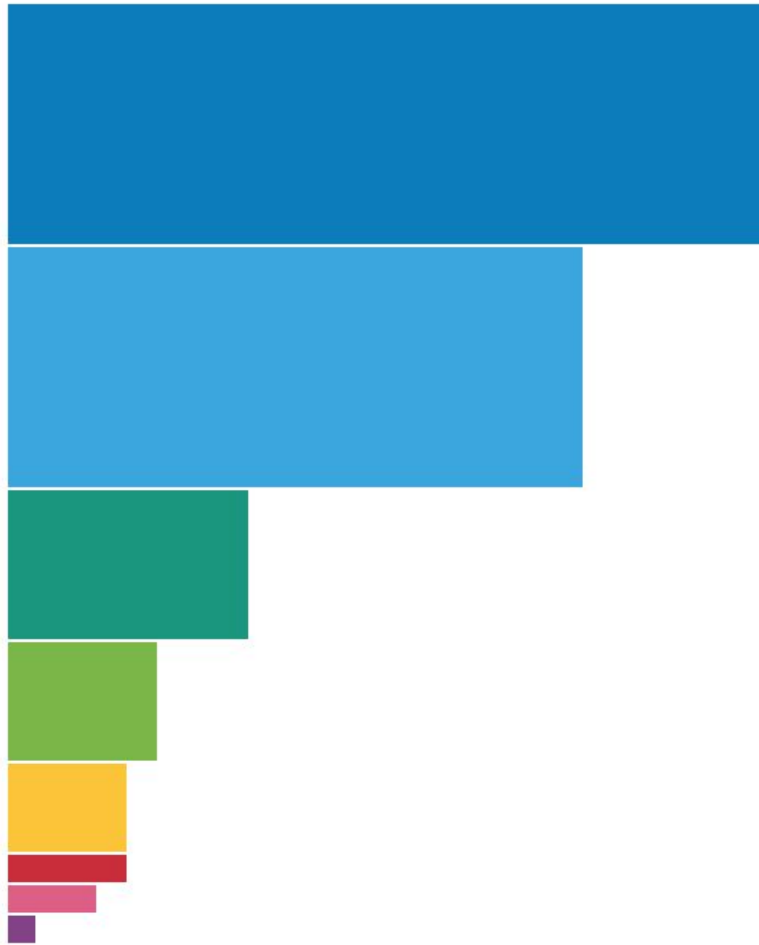
Low Variety



Corporate Strategy

Business Unit Strategy

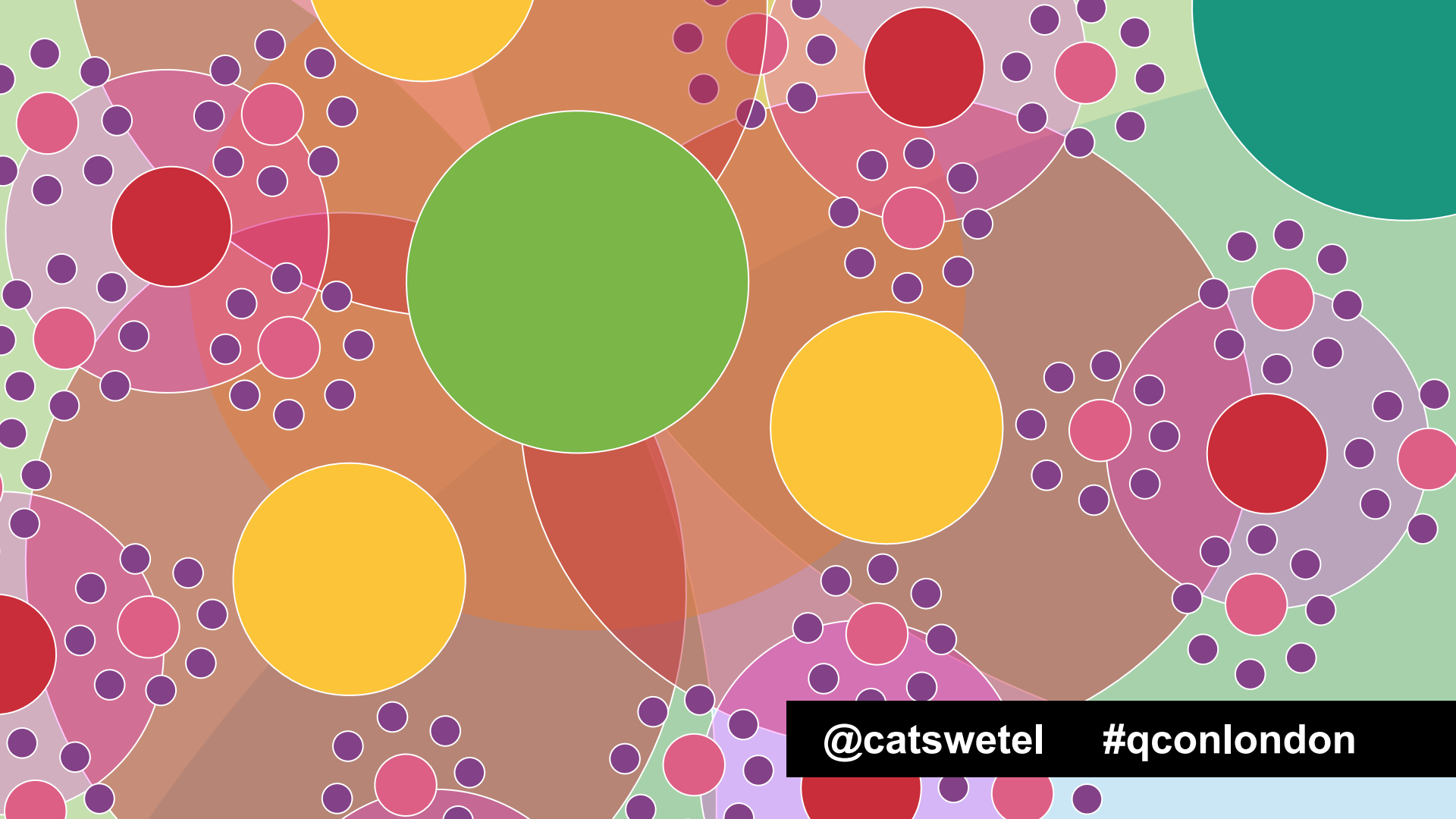
Sprint Goal
Test First, etc.



Low Variety



High Variety



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“The larger the variety of actions available to a system, the larger variety of the perturbations it is able to compensate.”

Ashby's Law of Requisite Variety

“The larger the variety of **actions** available to a system, the larger variety of the perturbations it is able to compensate.”

Ashby's Law of Requisite Variety

What actions are available to a system?

A question only you can answer

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Reality & Facts

Selected Reality

Reality & Facts

Interpreted Reality

Selected Reality

Reality & Facts

Assumptions

Interpreted Reality

Selected Reality

Reality & Facts

Conclusions

Assumptions

Interpreted Reality

Selected Reality

Reality & Facts

Beliefs

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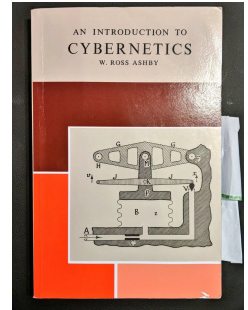
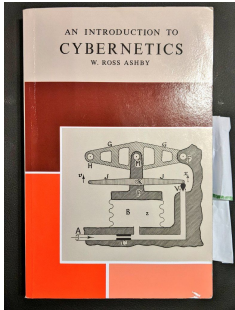
Reality & Facts

Ladder of Inference

Chris Argyris

“The larger the variety of actions available to a system, the larger variety of the perturbations it is able to compensate.”

Ashby's Law of Requisite Variety



Actions

Beliefs

Conclusions

Assumptions

Interpreted Reality

Selected Reality

circumstances --->

Reality & Facts

Actions

Beliefs

Conclusions

Assumptions

Interpreted Reality

Selected Reality

Reality & Facts

Do your intents / OKRs contain
rules, habits, and freedoms?

Actions

Beliefs

Conclusions

Assumptions

Interpreted Reality

Selected Reality

Reality & Facts

Do your intents / OKRs contain rules, habits, and freedoms?

...and are those intents/OKRs refreshed at a regular cadence?

Actions

Beliefs

Conclusions

Assumptions

} Are your intents / OKRs shared
(horizontally and vertically)?

Interpreted Reality

Selected Reality

Reality & Facts

Strategy deployment?

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Intent

What I want right now

**How will we know when
we've arrived?**

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Intent

Reason for change

What I want right now

**What will happen if we
don't get it**

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Intent

What I want right now

Reason for change

**What will happen if we
don't get it**

Current state

What I notice

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Intent

What I want right now

Reason for change

**What will happen if we
don't get it**

Current state

What I notice

**Rules, habits, and
constraints**

Define the playing field

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Intent

What I want right now

Reason for change

What will happen if we don't get it

Current state

What I notice

Rules, habits, and constraints

Define the playing field

Leading indicators

Stories and metrics

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Intent

What I want right now

Reason for change

What will happen if we don't get it

Current state

What I notice

Rules, habits, and constraints

Define the playing field

Leading indicators

Stories and metrics

Episode Name

A3?

TITLE:

background

current situation

analysis

hypothesis

DATE:

experiment

results

insights

OWNER:

Account of *then* Account for

Researching Your Own Practice: The Discipline of Noticing
by John Mason

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experiences
and
socialization

circumstances --->

Actions

Beliefs

Conclusions

Assumptions

Interpreted Reality

Selected Reality

Reality & Facts



Actions

Beliefs

Conclusions

Assumptions

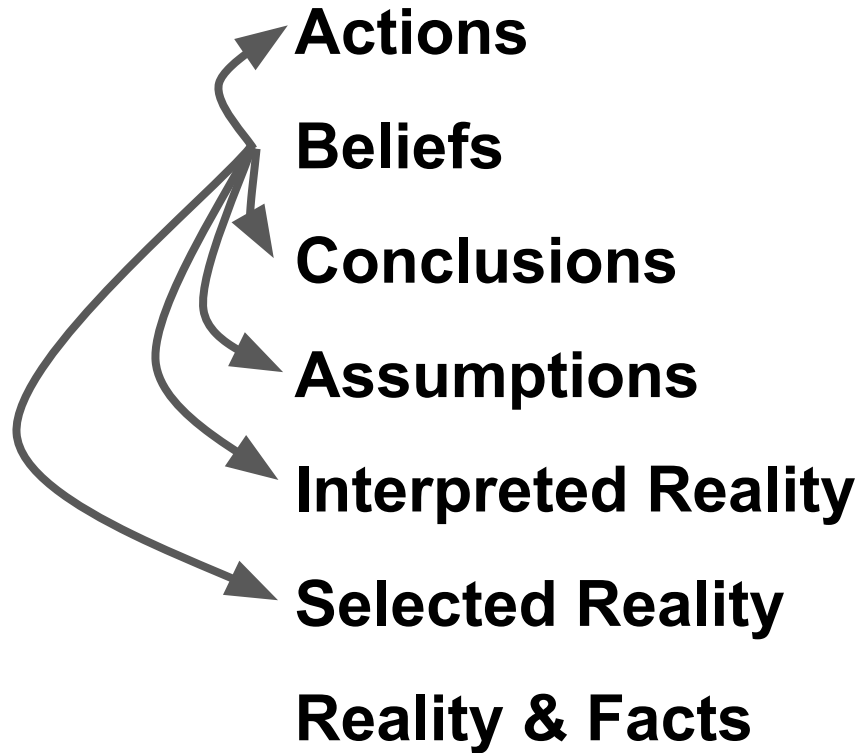
Interpreted Reality

Selected Reality

Reality & Facts



Really?



“The larger the variety of actions available to a system, the larger variety of the perturbations it is able to compensate.”

Ashby's Law of Requisite Variety

If we want a variety of
actions available, we need a
variety of people from a
variety of circumstances with
a variety of experiences.

“Organizations which design systems ... are constrained to produce designs which are copies of the communication structures of these organizations”

Conway's Law

What if our thinking patterns
manifest in our systems?
What if our users end up
with the same thinking
patterns?

**With great power
comes great
responsibility.**



I am catswetel everywhere.
I like talking to people.

THE FOLLOWING SLIDES
WERE NOT PRESENTED!
THEY CAME UP IN THE
QUESTIONS!

“Development Teams are
cross-functional, with all the
skills as a team necessary
to **create** a product
Increment”

The Scrum Guide

What skills *should* be
necessary?

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