Automationism

- Noah Sussman: ns@noahsussman.com
- Resources: https://gist.github.com/textarcana/cac0bfacc986e5380837

E.T.T.O.

- Efficiency-To-Thoroughness-Trade-Offs
- Resources: https://pinboard.in/u:noahsussman/t:etto

Abstraction

• As systems grow, more and more complexity gets hidden behind the boxes and arrows in our flow charts.

Sidney Dekker

• The Field Guide to Understanding Human Error

Tests and Testability

- TWO application features.
- Application features which must be supported and maintained just like any other feature.

Automation Cargo Cult

• Resources: https://pinboard.in/u:noahsussman/t:cargo+cult

Testing Problems

- Testing "problems" are test RESULTS.
- "Fix the tests" is misleading.
- Broken / flaky tests indicate a problem with the APPLICATION.
- http://www.developsense.com/blog/2011/09/testing-problems-are-test-results/

The whole time I'm writing code, I'm constantly testing my assumptions.

— Rasmus Lerdorf

What we ossume obent MO+iVotion risk Softwork bugs in softwork is wrong

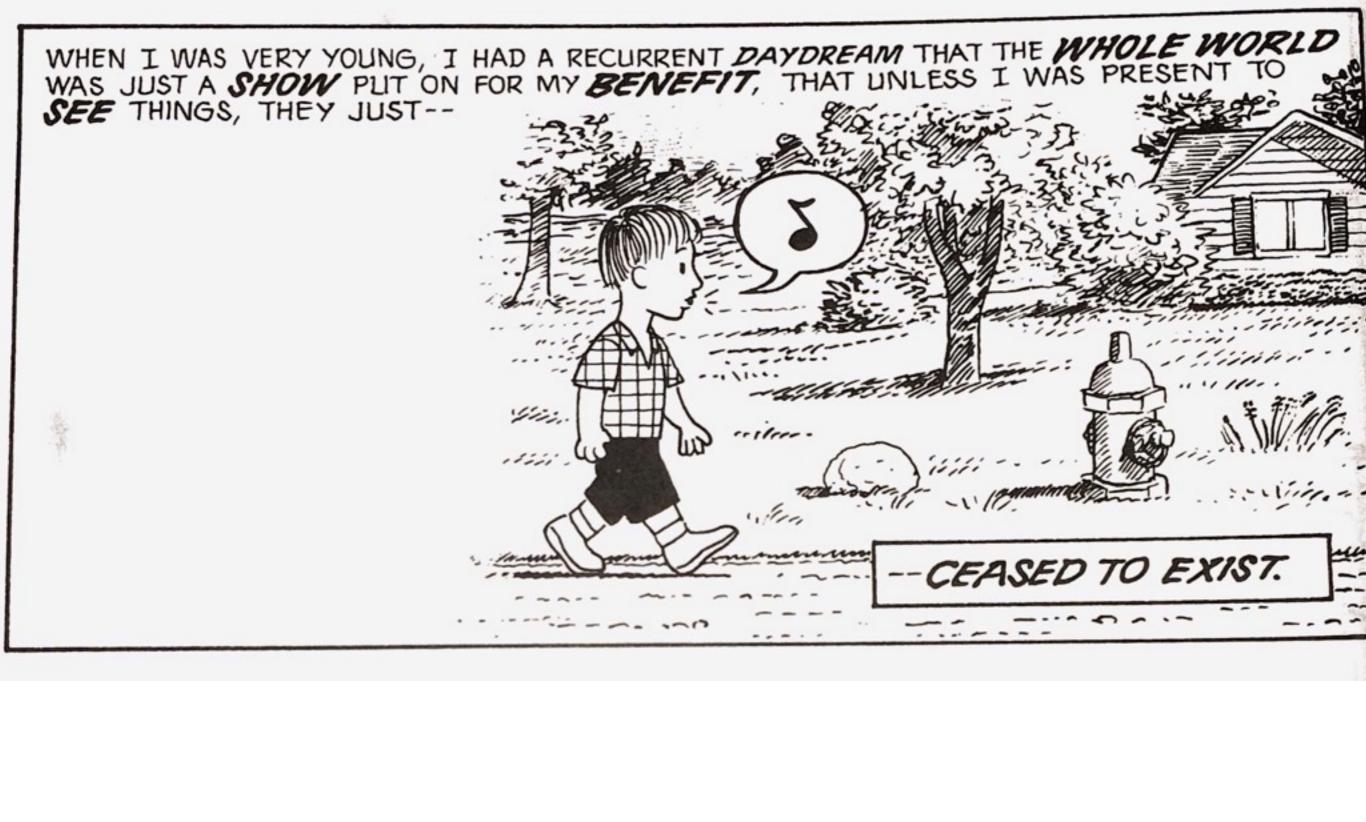
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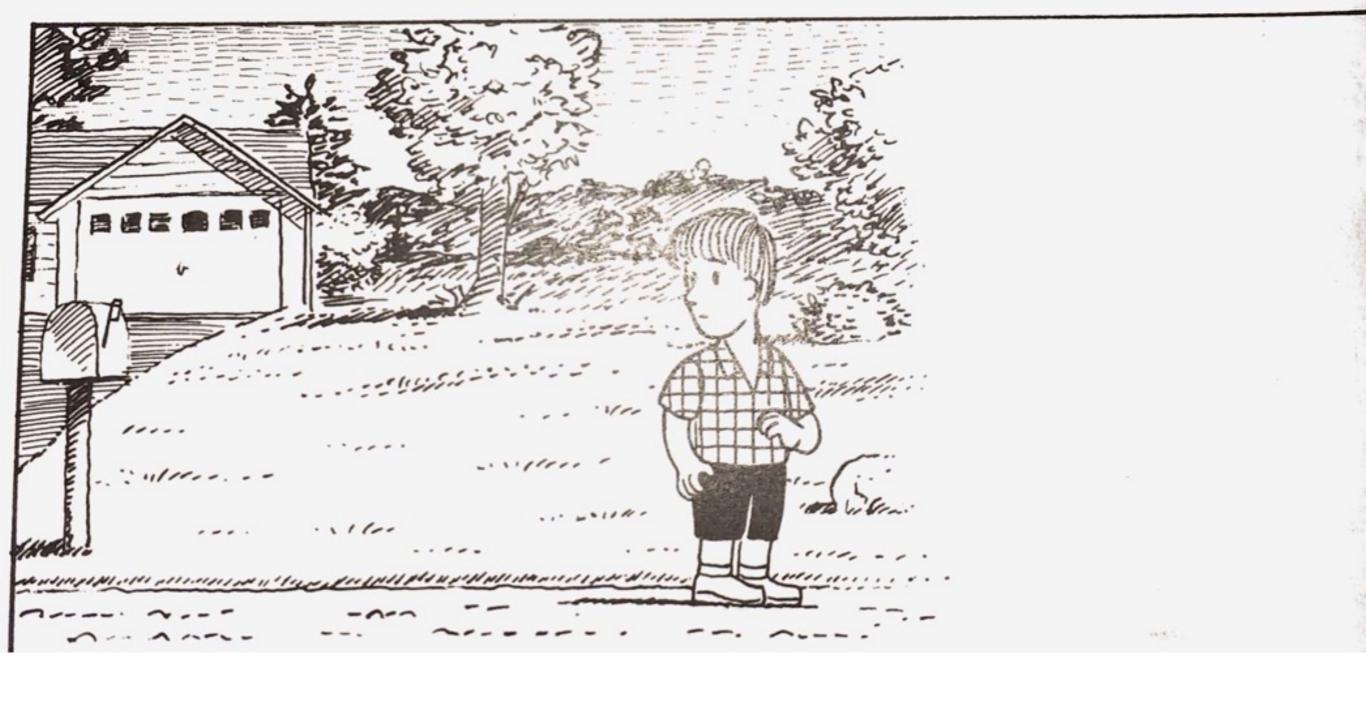
And the definition of intractable systems

MORMAL FALURE The b Mise Persons and

THE SLEPHANT

EPISTOMULICY THE ELEPHANT A COM





LATER IN LIFE, I FOUND OTHERS WHO HAD SIMILAR DAYDREAMS AS CHILDREN. NONE OF US EVER REALLY BELIEVED THESE THEORIES, BUT WE HAD ALL BEEN FASCINATED BY THE FACT THAT THEY COULD NOT BE DISPROVED! med in the house and the man in

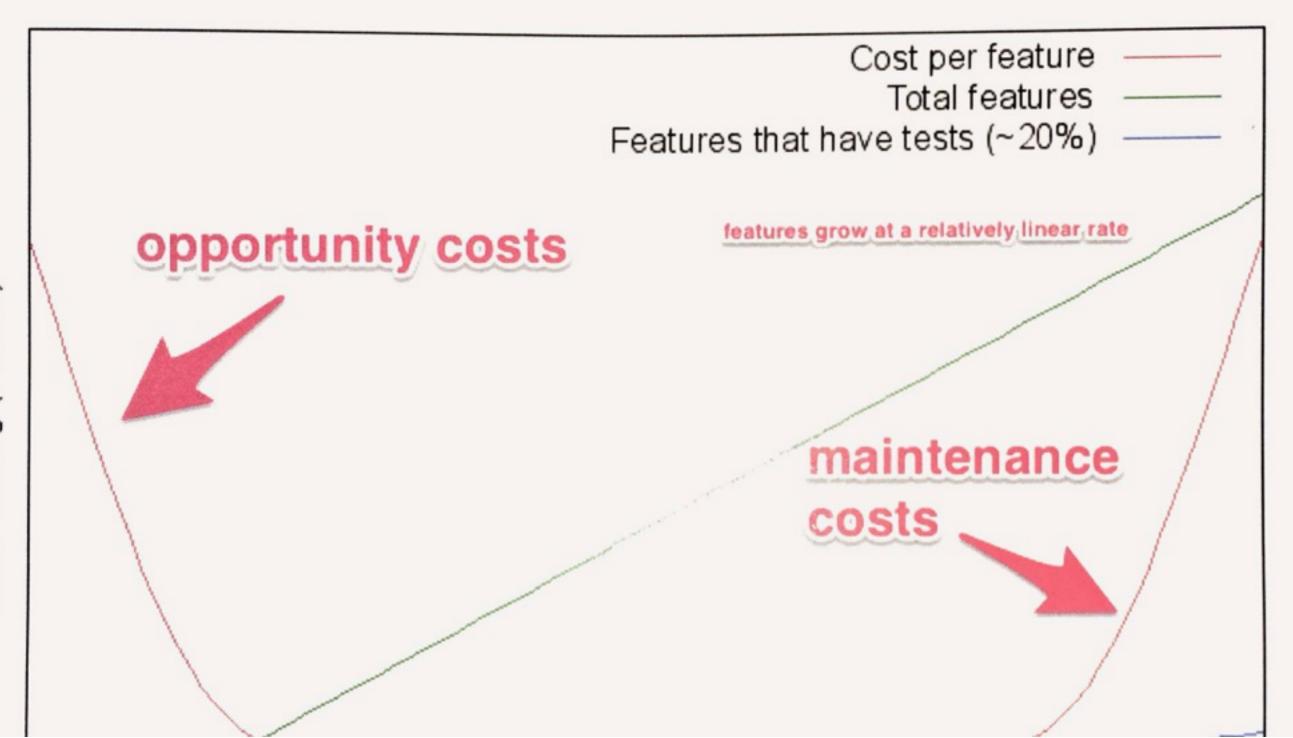
Complete Testing JnKnown P055; 6/2 *NOT to scale We so not asymptotically approach complete testing Complete! Hoffway them. NOPE!

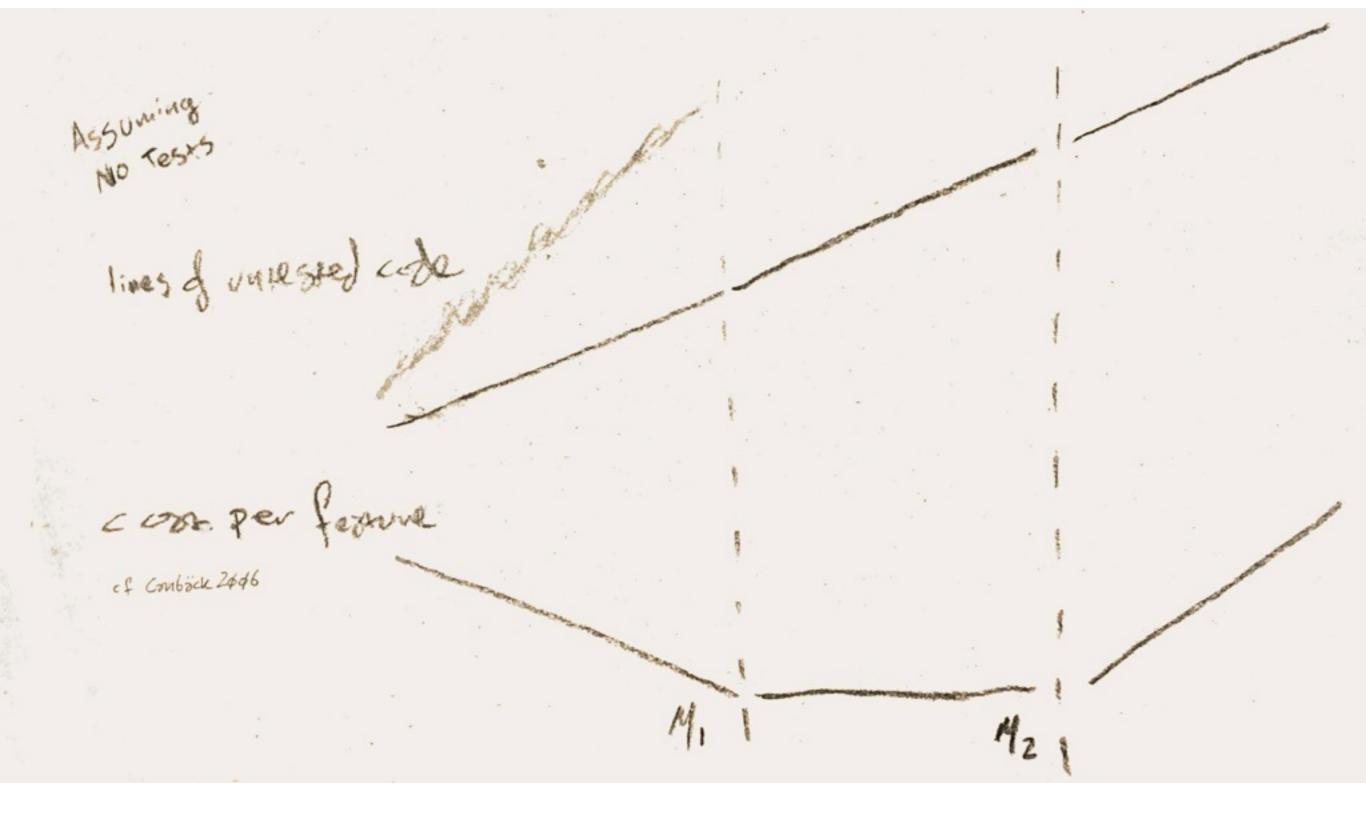
McConnell - Stigler Cost Curuz



tima

Canback's cost curve overlaid with a typical SDLC.





Continuous Delivery Addresses rising communication 605+5

ESTING ESIGNING MONLEDGE MORKERS MOTIVATION - FEAR WON'T WORK -INCENTIVES NEITHER AUTONOMY MASTERY PURPOSE

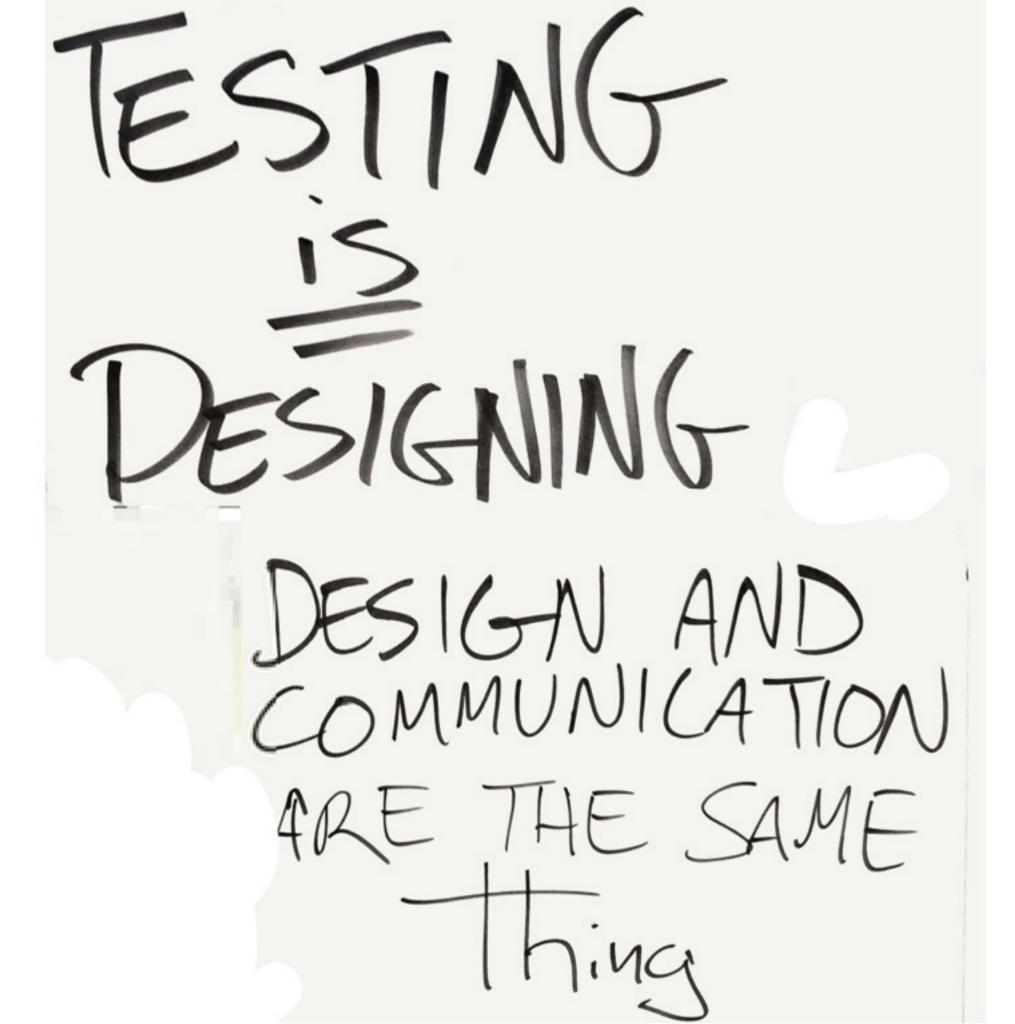
MPLEXITY

RISK: ACCIDENTS ARE NORMAL

Promote openness
-Blame isnit useful

HOLDING MDIVIDUALS RESPONSIBLE FOR SYSTEM BEHAVIOR

DESIGN AND COMMUNICATION ARE THE SAME Thing



MPROVED COMMUNICATION KEDULES COST