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### The Space Between Risk and Reward



Does your organization have stated core values?

...is security one of them?



## Our Security Strategy Is Lopsided



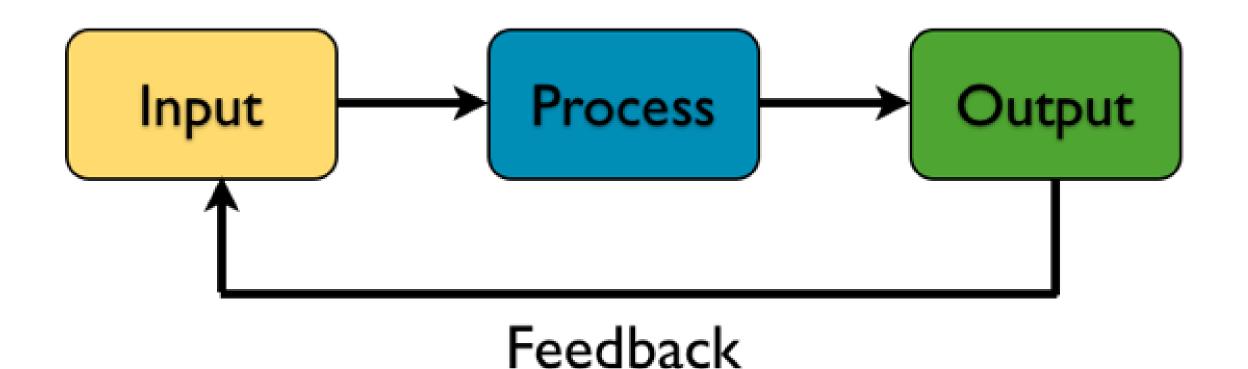


Security: the need exists at the intersection of technology and people



### The Overlooked Critical System: Culture





#### PRIMARY INPUTS

- Shared norms, values, routines
- What the business rewards/punishes

#### PRIMARY OUTPUTS

- User behavior
- Employee churn
- Organizational health





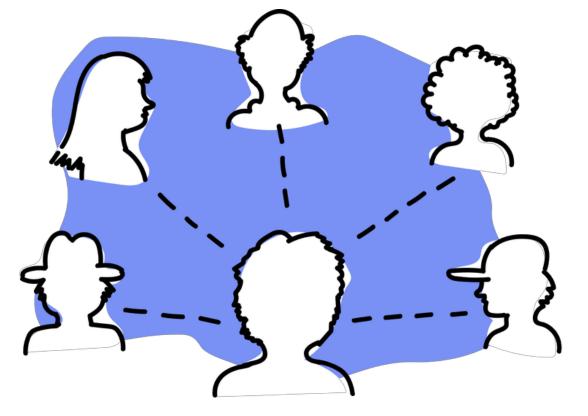
# WHAT DETERMINES CULTURE? (ENVIRONMENTAL VARIABLES)

## Cultural Currency: What's My Motivation?

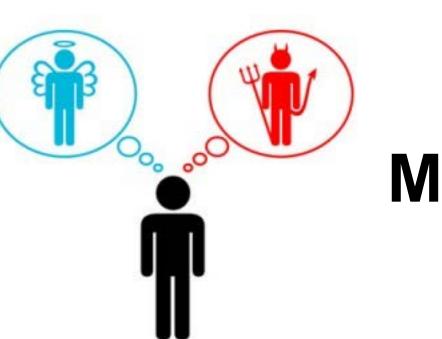




#### **Economic**



#### Social







### Crafting Conscientious Culture





Taiichi Ohno, Creator of the Toyota Production System ("Stop the Line")



# Unexpected Behavior, or Unacknowledged Incentive?





Database error: (CS) "Unexpected behavior" . (IES 10901) (WIS 10901)

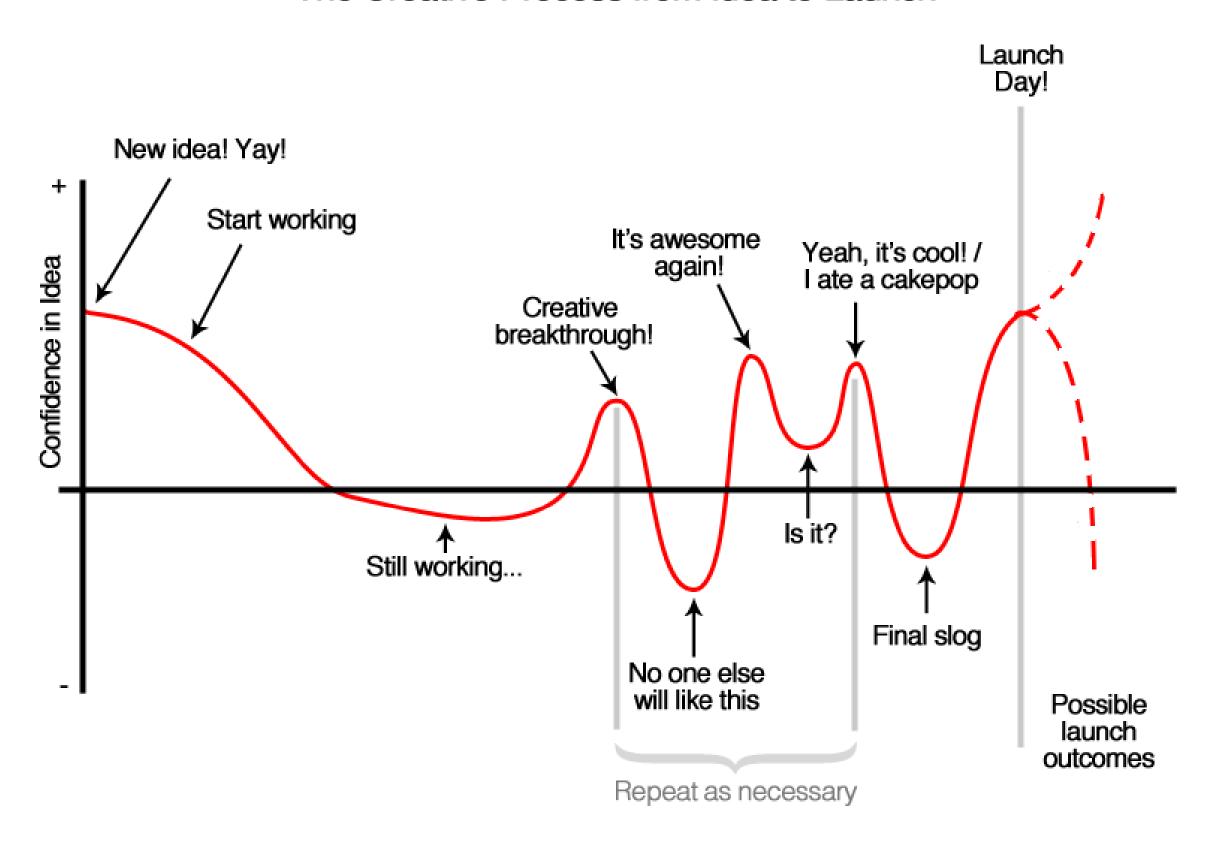
Close



### Example: Deadline Drama



#### The Creative Process from Idea to Launch



If security is considered between "slog" and "launch", will it be prioritized?

What wins: speedy, sufficient, or secure?

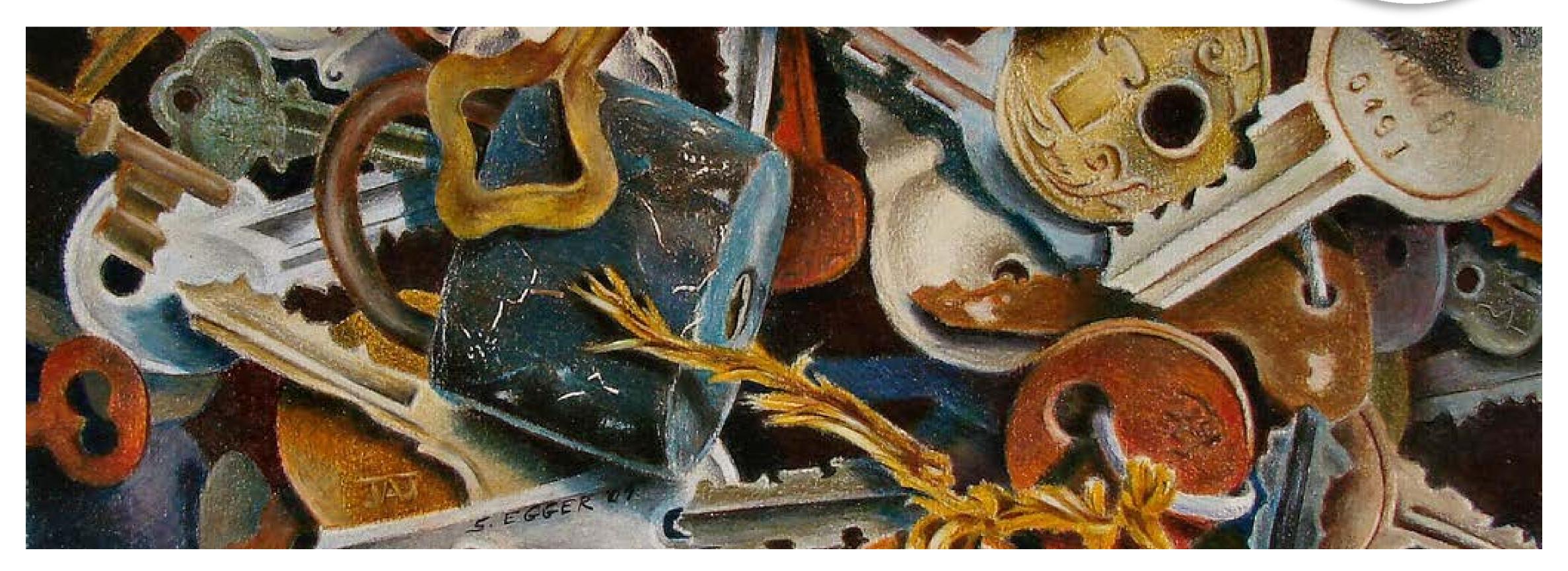




# HOW TO MEASURE CULTURE (FEEDBACK)

#### Let's Make a Cultural PACT



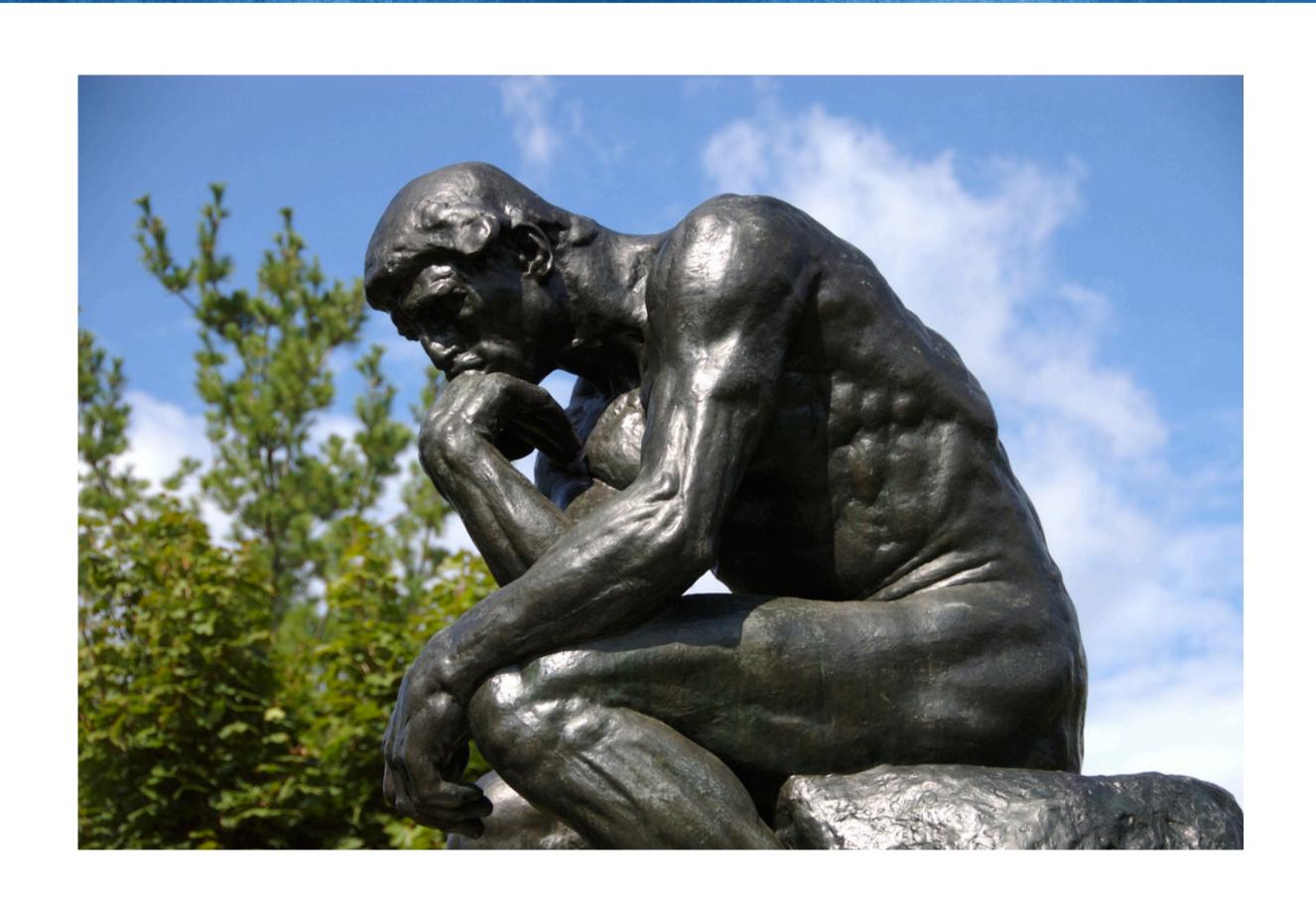


Which values are most key to your business strategy: Process, Autonomy, Compliance, or Trust?



#### Ask Yourself





- What's most valued? What's rewarded?
- How do we measure risk?
   Accountability?
- How is security communicated and documented? What is stressed?



#### Ask Your Users



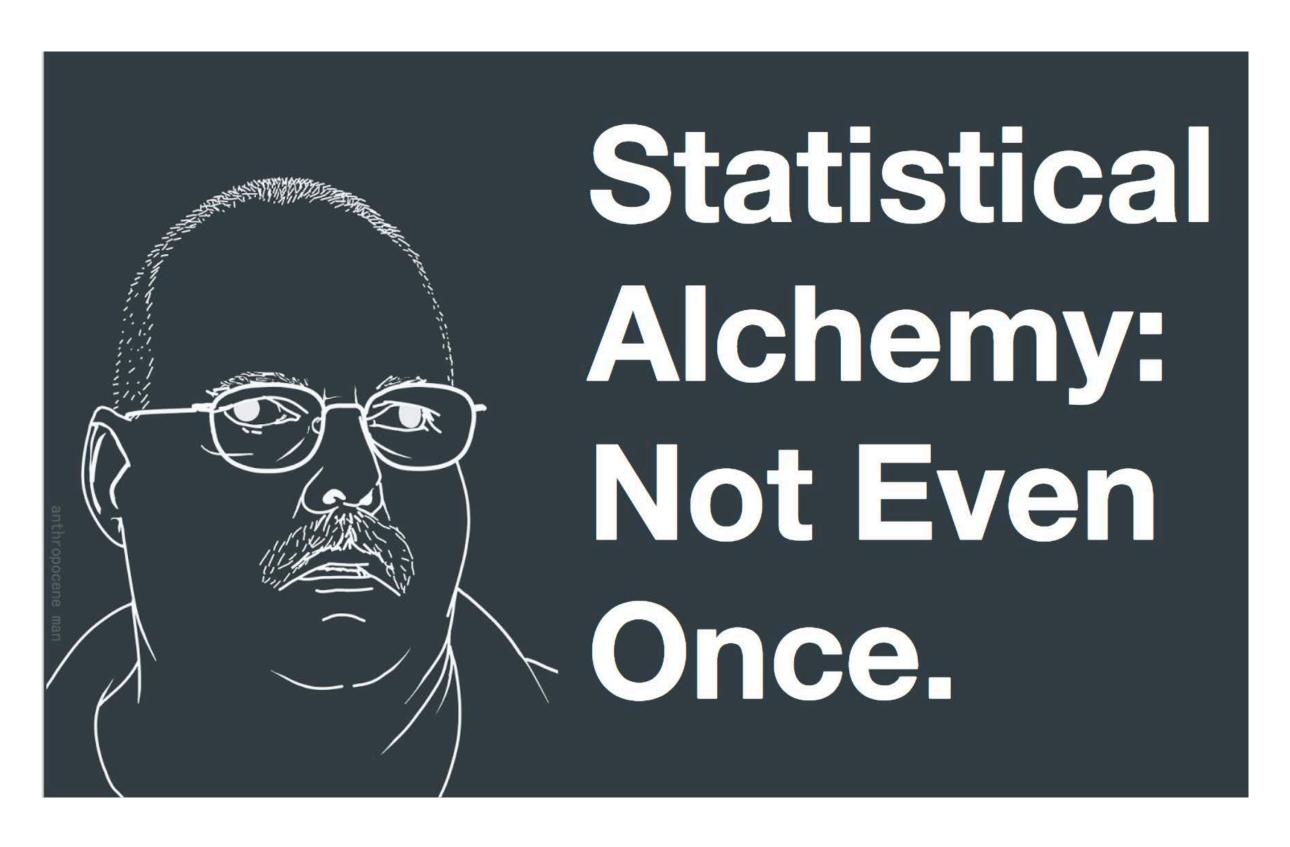
- W.W.U.X.D.?
- Where does it hurt?
- Which parts of our history are we (currently) doomed to repeat?





#### A Note On "Soft" Data





Data is like a kiwi: even if it's fuzzy, it can still be useful.

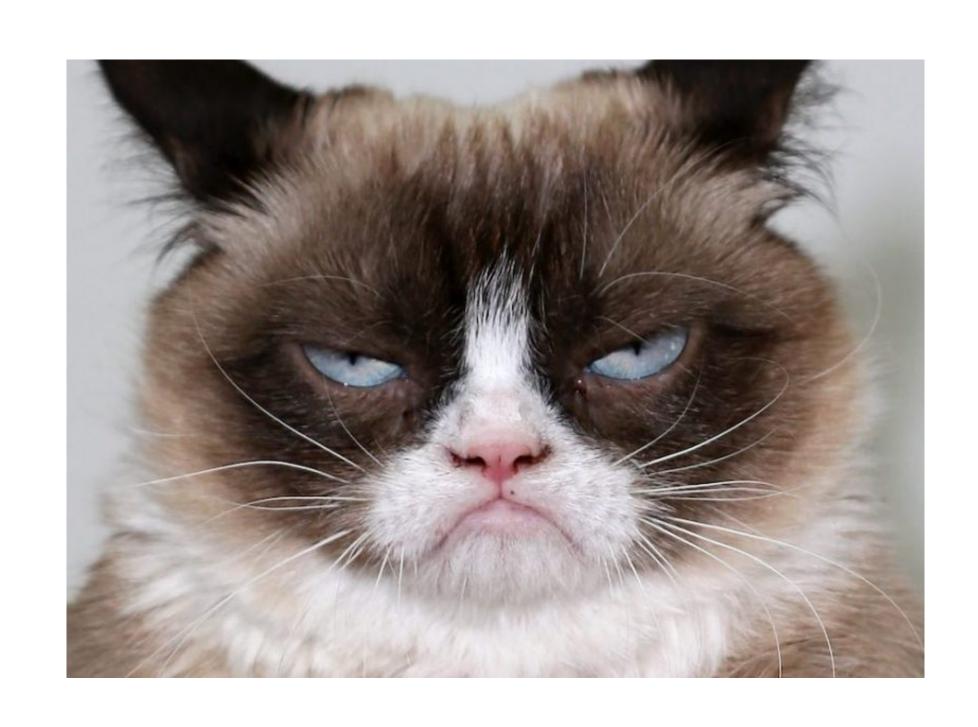


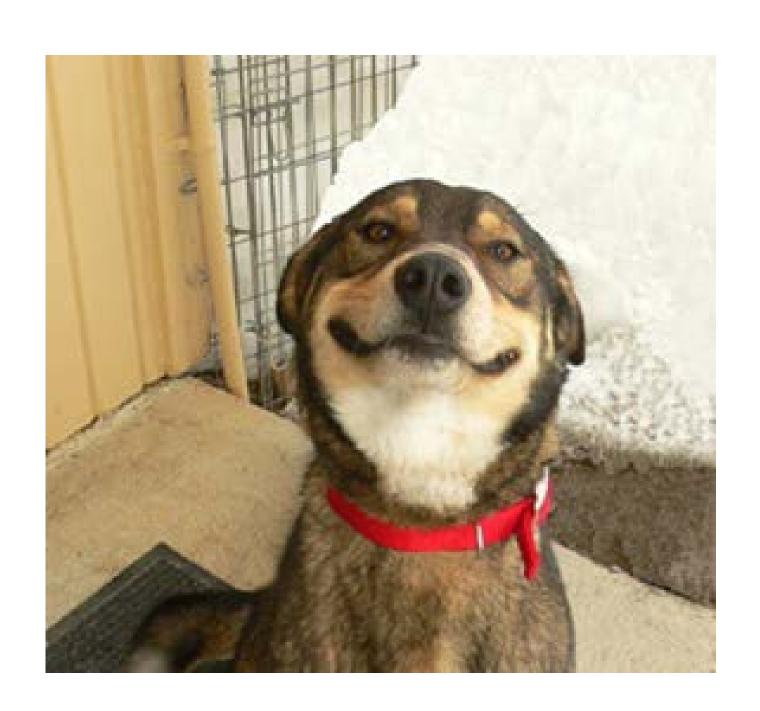


# WHAT INFLUENCES CULTURE? (INPUTS)

#### How Good Is Your User Interface?





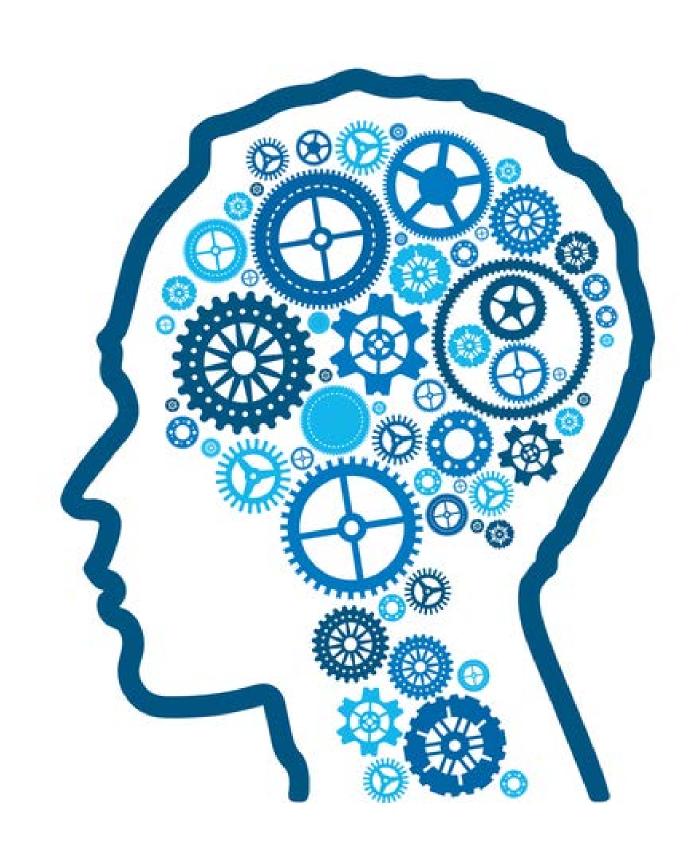


Which security critter would YOU bring a question to?
Which would you avoid?



# Education: User Patching



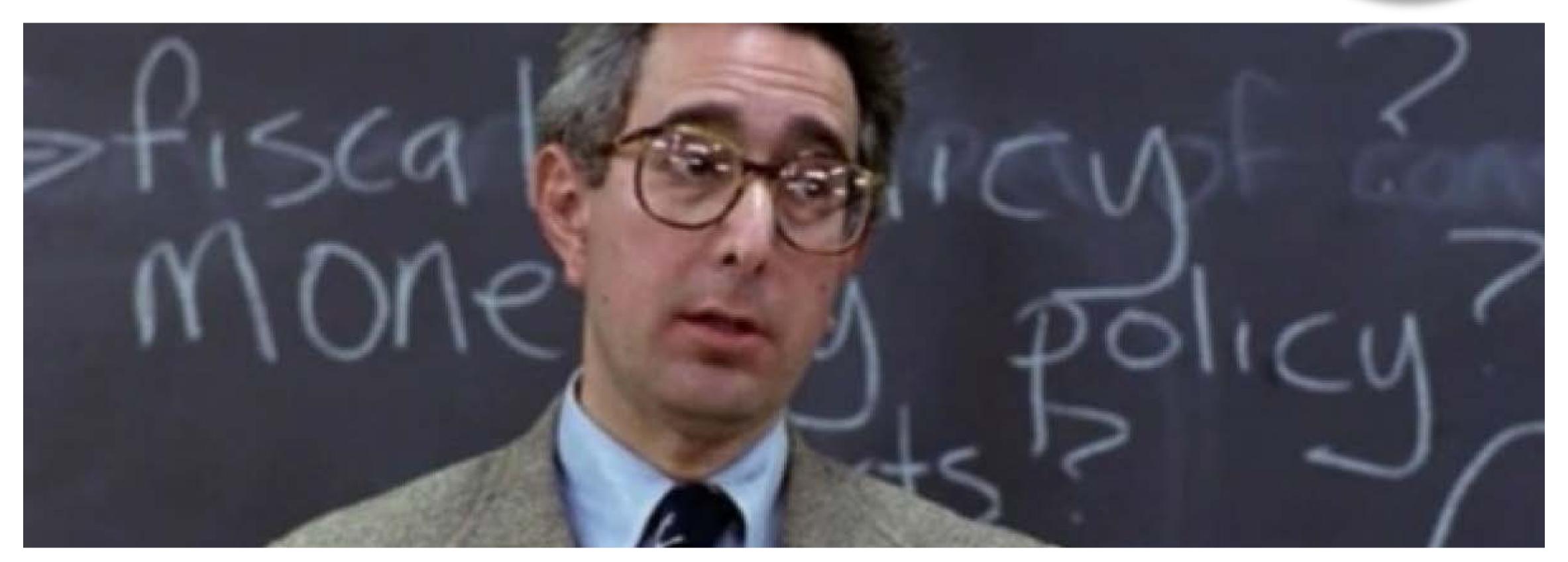


- Start with respect, not roadblocks
- Continuous delivery over infrequent milestone updates
- Right-size the instruction for the user's understanding level



# Education: User Patching





**Caption** 



## Teach. Differently.

#RSAC

- Vary teaching method for different learning styles
- Avoid lectures, increase engagement
- Give them ways to win





### Application: All that's nice, now what?



#### • Next week you should:

- Collect historical data on security comms (help desk tickets, security notices, incident reports, etc.)
- Sketch user personas based on top role, seniority, and top priorities
- Self-assess using Security Culture Diagnostic Survey (available for download at <u>lancehayden.net/culture</u>)

#### • In the next three months you should:

- Identify top 2-3 processes needing improvement based on historical review
- Choose users representative of each persona to survey. Along with SCDS (quantitative), conduct qualitative (Q&A) survey focused on top processes to pinpoint revision opportunities
- Set revision target benchmark ("reduce help desk tickets related to [x] by 30%"), solicit feedback on proposed revision, beta test
  with user group to compare
- Compare benchmark performance to goal, iterate or identify next process

#### • In six months you should:

- Document iterated process, schedule repeat survey with larger sample group of users for each persona on schedule (annual/bi-annual/quarterly as appropriate).
- Consider both risk reduction and cost/labor savings metrics for executive buy-in, and top win stories/kudos for users to communicate improvement value

