

TESTERS JUST BURN MONEY!







GOALS FOR TODAY

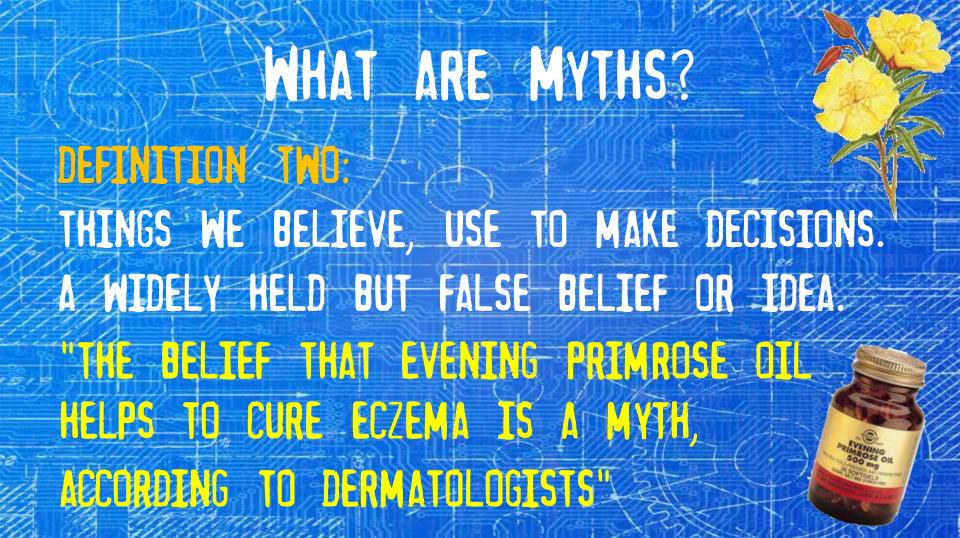
- LOOK AT HOW EXPERIMENTS ARE DONE
- STATE YOU ALL TO BE MYTHBUSTERS IN YOUR OWN PROJECTS
- + BUST SOME MYTHS WITH YOU IN THIS SESSION

MYTHBUSTERS

HAVE FUN!

WHAT ARE MYTHS? DEFINITION ONE: A TRADITIONAL STORY, ESPECIALLY ONE CONCERNING THE EARLY HISTORY OF A PEOPLE OR EXPLAINING A NATURAL OR SOCIAL PHENOMENON, AND TYPICALLY INVOLVING SUPERNATURAL BEINGS OR EVENTS.

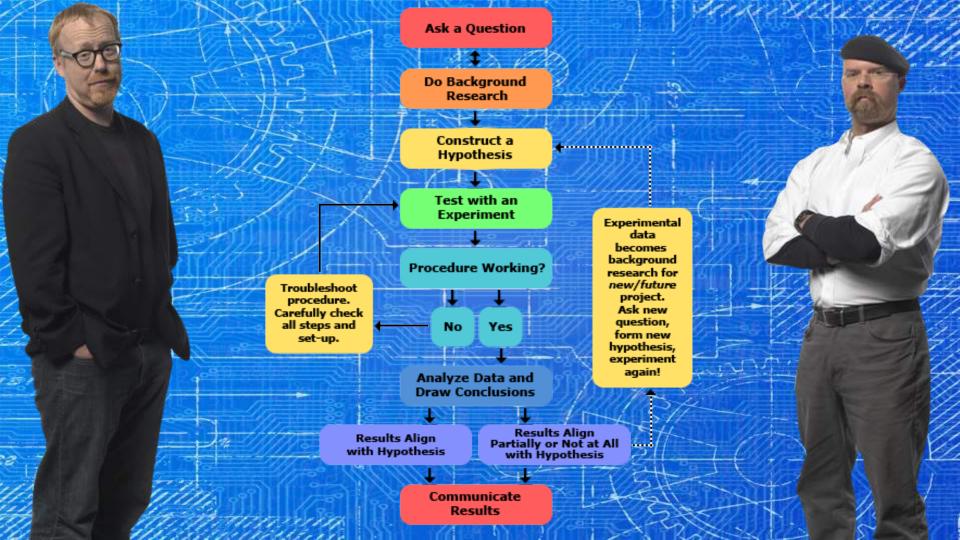






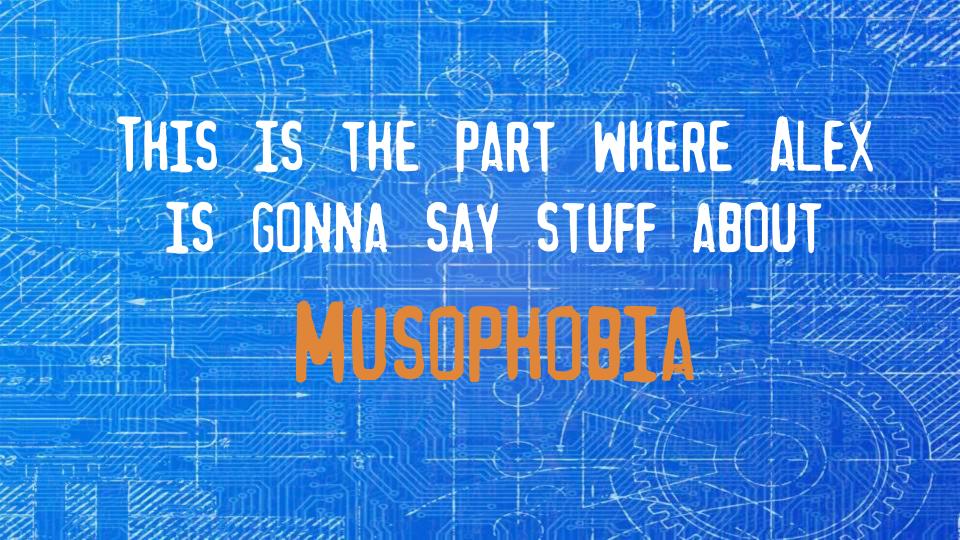
MYTHOUSTERS

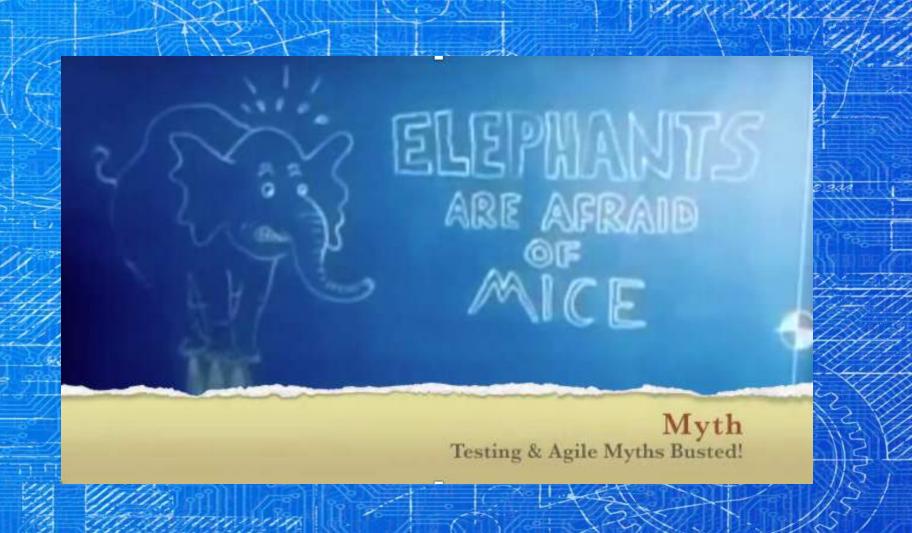
- INTRO TO PREMISE
- TAKE MYTHS AND DESIGN EXPERIMENTS TO SEE WHETHER THEY ARE BUSTED/CONFIRMED
- CREATING TESTABLE HYPOTHESES, REPRODUCING ENVIRONMENT AND RUNNING EXPERIMENT
- ► IN CASE OF DOUBT, ADAPT CONDITIONS UNTIL THE EXPERIMENT GIVES THE PREDICTED RESULT (OR NOT)



SCIENTIFIC METHOD

- ASK A QUESTION
- DO BACKGROUND RESEARCH
- CONSTRUCT A HYPOTHESIS
- TEST YOUR HYPOTHESIS BY DOING AN EXPERIMENT
- ANALYZE YOUR DATA AND DRAW A CONCLUSION



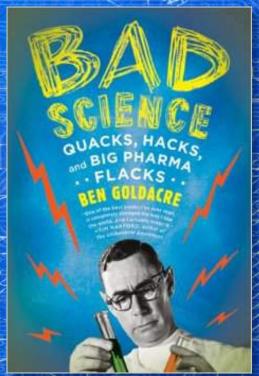


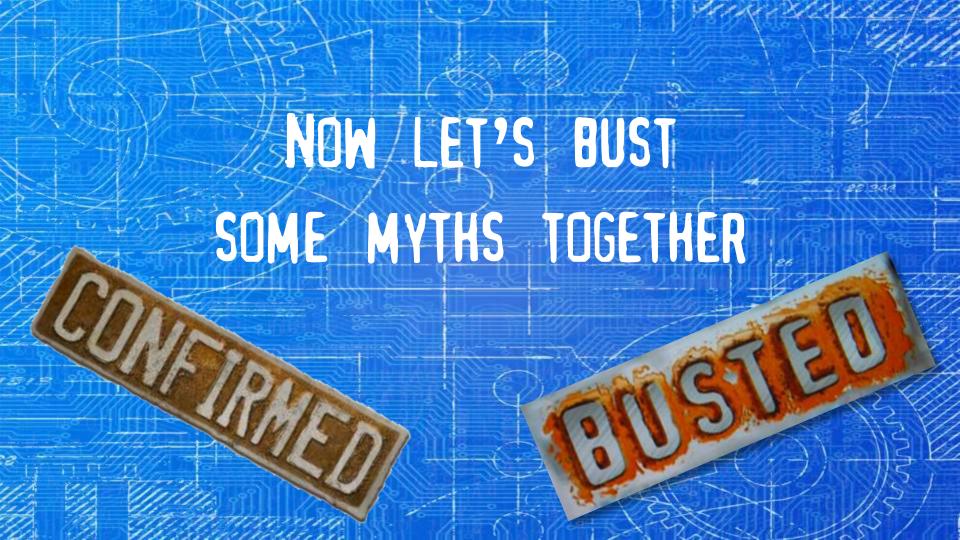


BOEHM CURVE Cost of Change 150x Cost 50x 20x 5x 1x Requirements Design Code Test **Production** Phase detected

BAD SCIENCE?





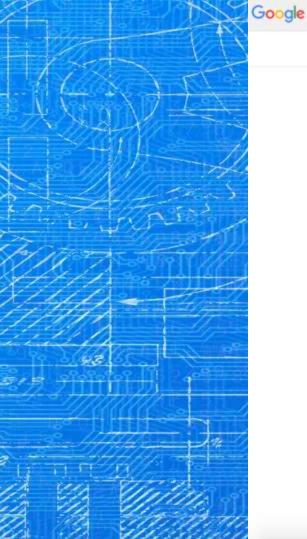


MYTHI MYTH: PEOPLE CAN BE MANAGED

MANAGE COMES FROM THE ITALIAN WORD "MANEGGIARE"
WHICH MEANS: TRAIN HORSES!

Workers, this approach held, were like parts in a complicated machine. If they did the right work in the right way at the right time, the machine would function smoothly. And to ensure that happened, you simply rewarded the behavior you sought and punished the behavior you discouraged







ideo's

Nieuws

Shoppin

Moor -

Zoekhulpmiddelen

Ongeveer 948.000.000 resultaten (0,43 seconden)

6 Tips For Managing People Who Are Hard To Manage ... www.forbes.com/../6-tips-for-managing-people-who... * Vertaal deze pagina 9 jun. 2014 - But then it wouldn't be management. It would be sitting around doing little while legions of highly motivated people worked happily and

How to Learn to Manage People: 10 Steps (with Pictures) www.wikihow.com/Learn-to-Manage-People * Vertaal deze pagina How to Learn to Manage People. "Management is nothing more than motivating other people." Congretulational You finally got that promotion you've been ...

How to Manage People: 14 Steps (with Pictures) - wikiHow www.wikihow.com > ... > Social Interactions - Vertaal deze pagina
How to Manage People. Managing people is much more of an art than it is a science.
There is no secret formula or set of rules to follow. Like any true art it takes ...

Afbeeldingen van manage people

Afbeeldingen melden



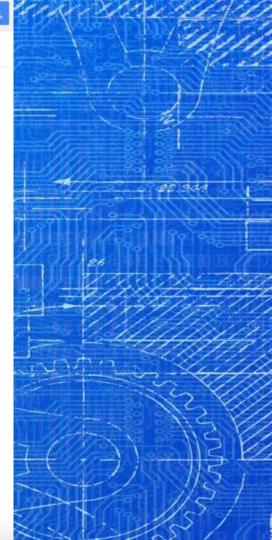
Meer afbeeldingen voor manage people

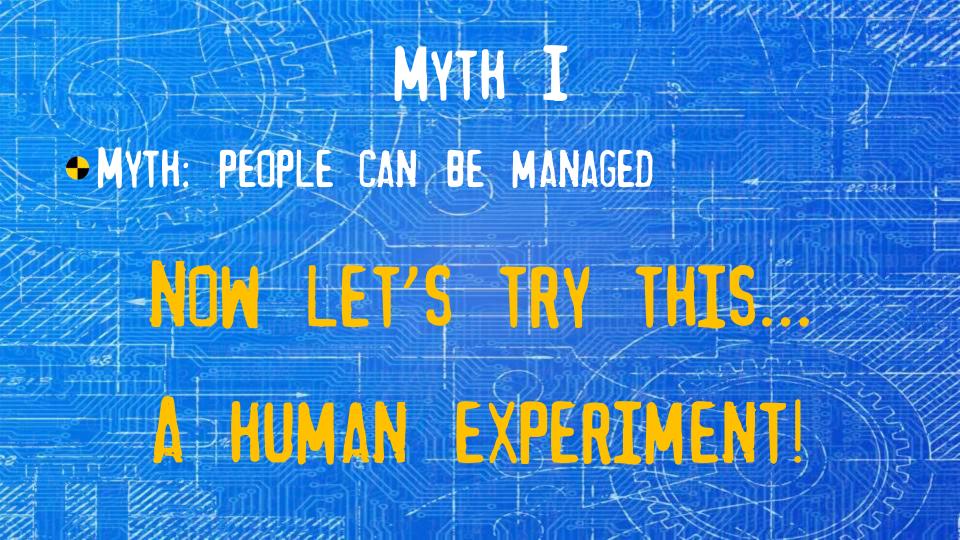
How to Manage People Who Are Smarter than You https://hbr.org/.../how-to-manage-people-who-are-sm... * Vertaal deze pagina 6 aug. 2015 - The best managers hire smart people to work for them. ... How do you manage people who have more experience or more knowledge? How do ...

Team Management Skills - Team Management Training ... www.mindtools.com > Team Management * Vertaal deze pagina
The Core Skills Needed to Manage Your Team ... A good starting point is the Warren G Bennis quote that "Leaders are people who do the right things; managers ...

Managing People Is an Art: 32 Ways to Do it Right, www.entrepreneur.com/article/234199 ~ Vertaal deze pagina

20 mail 2014 - Injury to the at Entrangeness of Assertanta Mayor Business man





MYTH II

MYTH: WE NEED CLEAR EXPECTED VALUES IN ORDER TO TEST



Certified Tester

Foundation Level Syllabus



Expected results should be produced as part of the specification of a test case and include outputs, changes to data and states, and any other consequences of the test. If expected results have not been defined, then a plausible, but erroneous, result may be interpreted as the correct one. Expected results should ideally be defined prior to test execution.

Version 2011

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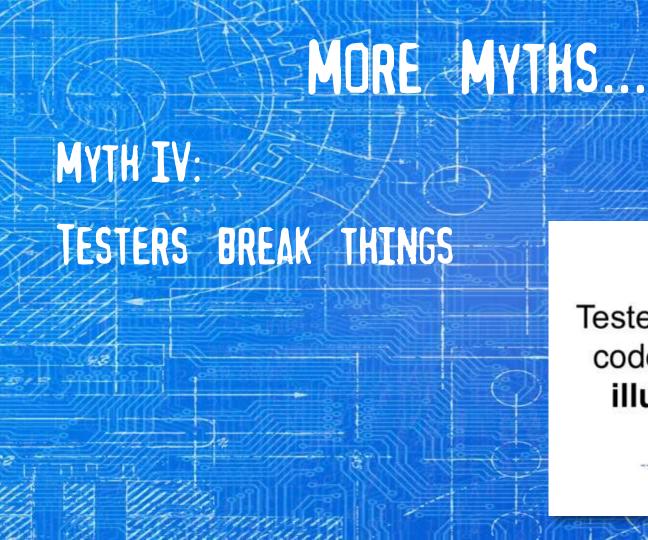
31-Mar-2011

MYTH II

MYTH: WE NEED CLEAR EXPECTED VALUES IN ORDER TO TEST

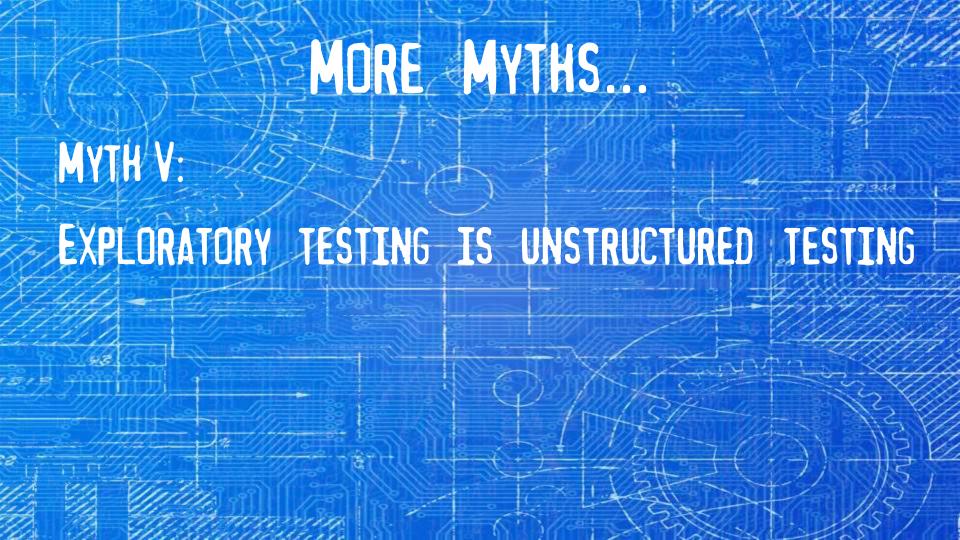




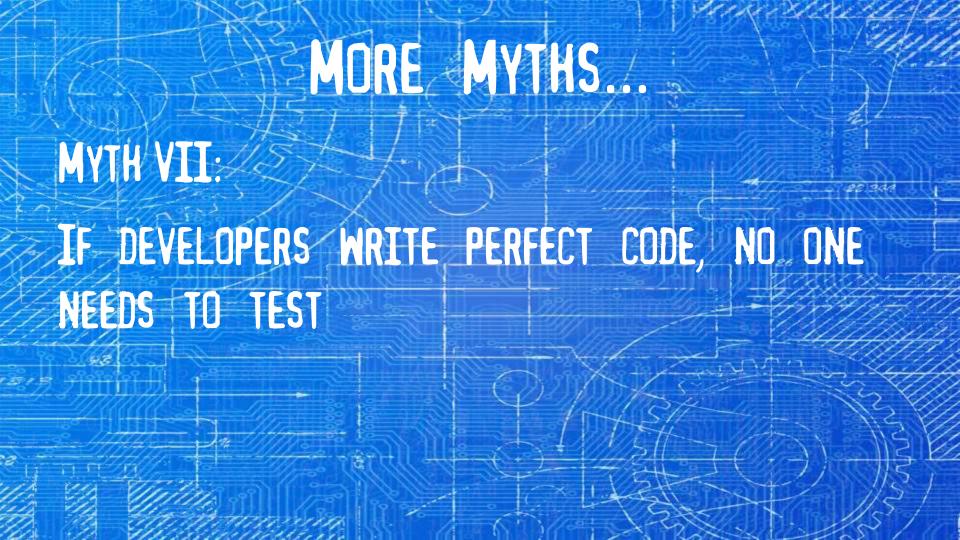


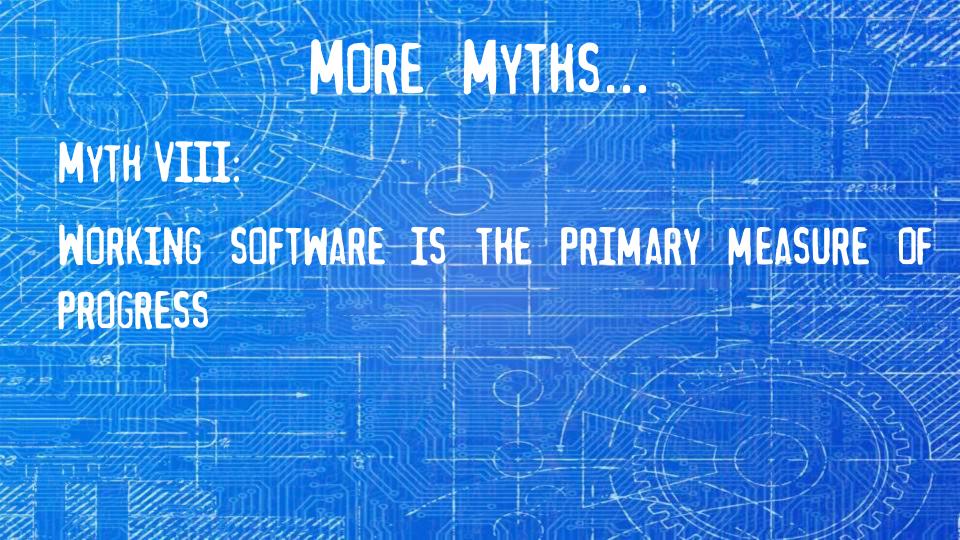
Testers don't break your code, they break your illusions about the code.

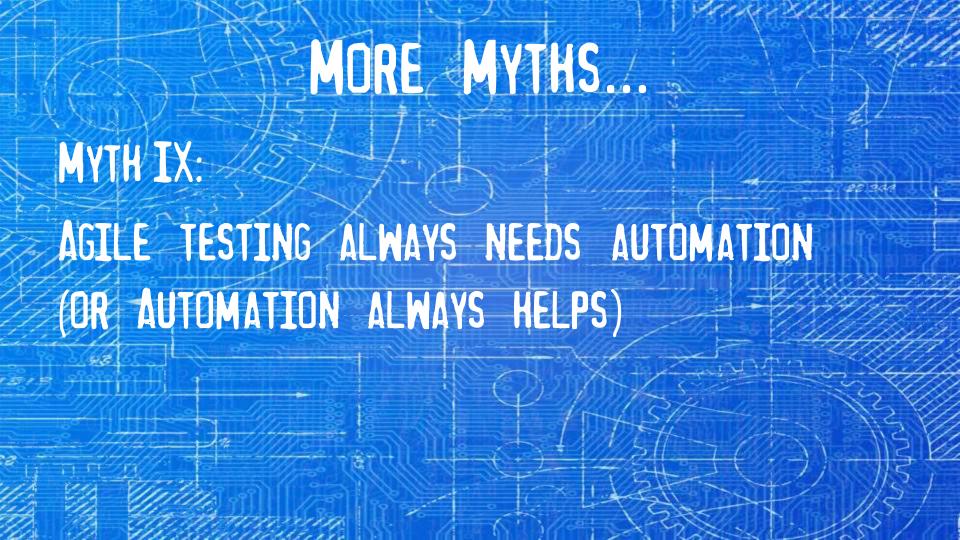
-- adapted from James Bach





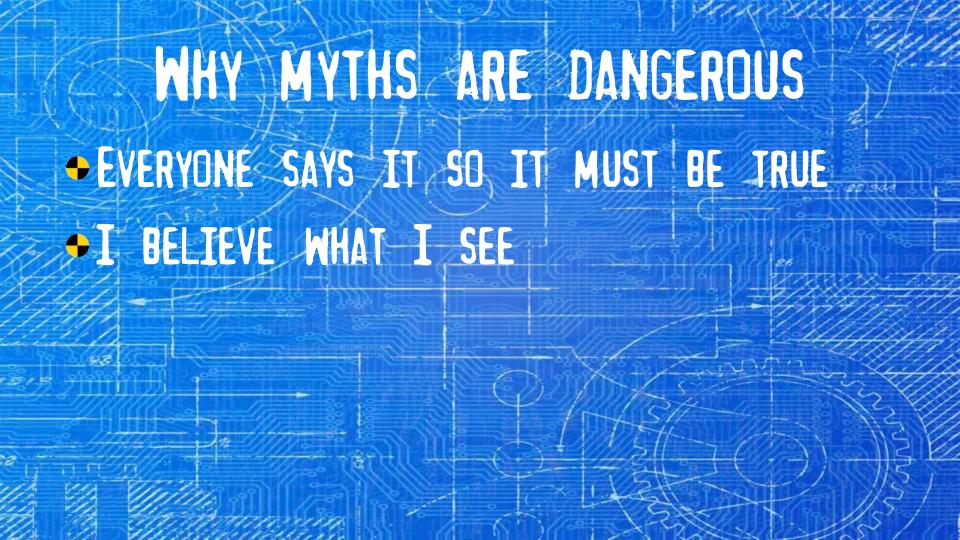






WHY MYTHS ARE DANGEROUS







WHY MYTHS ARE DANGEROUS

- SAYS IT SO IT MUST BE TRUE
- I BELIEVE WHAT I SEE
- WYSIATI (WHAT YOU SEE IS ALL THERE IS)
- MYTHS WILL TRICK YOU IF YOU DO SHALLOW THINKING

CRITICAL THINKING DONE FAST!

• HUH?

- YOU MAY NOT UNDERSTAND. (ERRORS IN INTERPRETING AND MODELING A SITUATION, COMMUNICATION ERRORS)
- REALLY?
- WHAT YOU UNDERSTAND MAY NOT BE TRUE. (MISSING INFORMATION, OBSERVATIONS NOT MADE, TESTS NOT RUN)

- AND?

YOU MAY NOT KNOW THE WHOLE STORY. (PERHAPS WHAT YOU SEE IS NOT ALL THERE IS)

S0?

THE TRUTH MAY NOT MATTER, OR MAY MATTER MUCH MORE THAN YOU THINK. (POOR UNDERSTANDING OF RISK)

HOW TO AVOID FALLING FOR MYTHS

- DON'T BELIEVE WHAT YOU HEAR/SEE/FEEL...
- BE CLEAR ON VARIABLES
- FORM HYPOTHESES
- CRITICAL THINKING: QUESTION EVERYTHING
- CONSIDER EVERYTHING: SYSTEM THINKING

MYTHS IN AGILE AND TESTING?

- USER STORY
- ACCEPTANCE CRITERIA
- + DONE
- BUGS

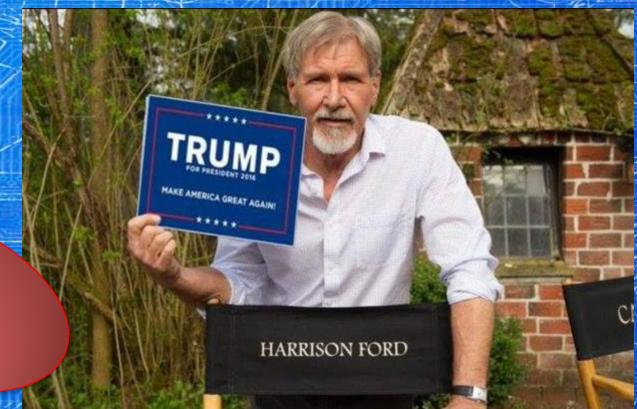
TAKEAWAYS

- -DON'T GET FOOLED
- USE THE SCIENTIFIC METHOD
- APPLY CRITICAL THINKING
- BE MYTHBUSTERS

DON'T GET FOOLED...

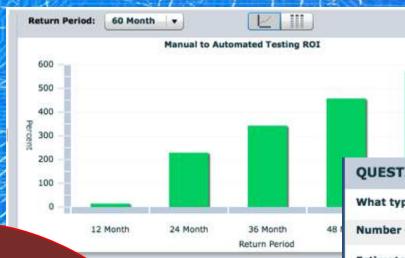


DON'T GET FOOLED...



Han Solo Voting for Trump??

DON'T GET FOOLED...



Automation
ROI??

QUESTIONS

What type of application are you automating?

Number of test cases executed per release?

Estimated cost to automate each test case?

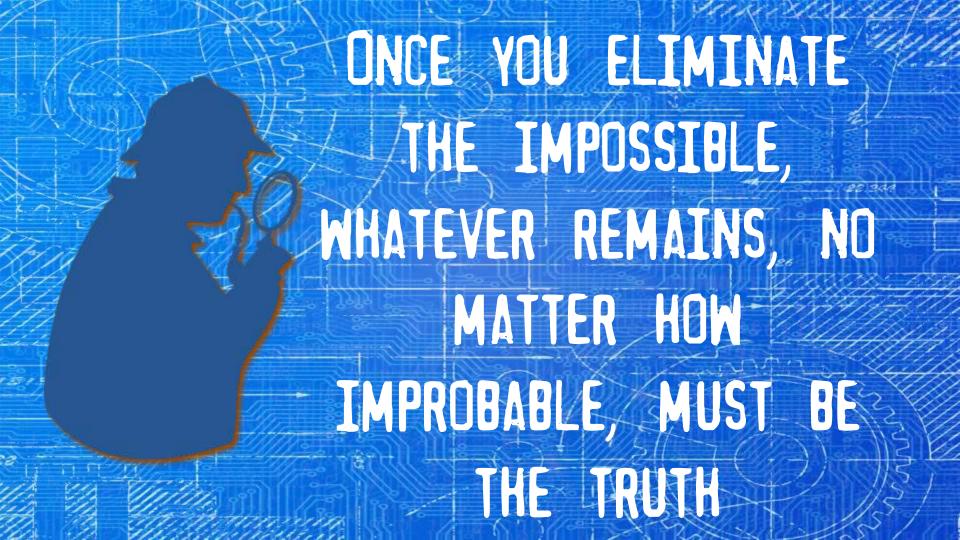
Number of testers per release needed for manual execution?

Projected number of testers needed to maintain and execute automated tests?

include testers needed to execute and maintain automated scripts.

Number of releases per year?

Days of testing per release?







Huib Schoots

@huibschoots Huib.Schoots@improvegs.nl http://www.huibschoots.nl

@alex_schl Alexandra.Schladebeck@bredex.de http://www.schladebeck.de

SOURCES & REFERENCES

- Mythbusters
 http://www.discovery.com/tv-shows/mythbusters/
- Leprechauns of software enginering http://leanpub.com/leprechauns
- Bad Science http://www.badscience.net
- Huh? Really? And? So? http://how-do-i-test.blogspot.nl/2011/08/huh-really-so.html http://youtu.be/8TX6rzz60xQ
- More mythbusting http://randallrice.blogspot.nl/2015/01/what-mythbusters-can-teach-software.html http://www.kohl.ca/2004/mythbusters-and-software-testing/
- Critical Thinking for Testers
 http://www.developsense.com/presentations/2012-11-EuroSTAR-CriticalThinkingForTesters.pdf
- Thinking Fast and Slow WYSIATI
 http://www.inc.com/daniel-kahneman/idea-lab-what-you-see-not-all-there-is.html
- Penn & Teller Bullshit! https://en.wikipedia.org/wiki/Penn_%26_Teller:_Bullshit!