



Lean Testing Overview

Taranaki Test Professionals Meet Up

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These slides are
going to be
incredibly boring!!

I didn't choose the testing life, the testing life chose me



Perceptions



What my friends think I do



What my mom thinks I do



What society thinks I do



What programmers think I do

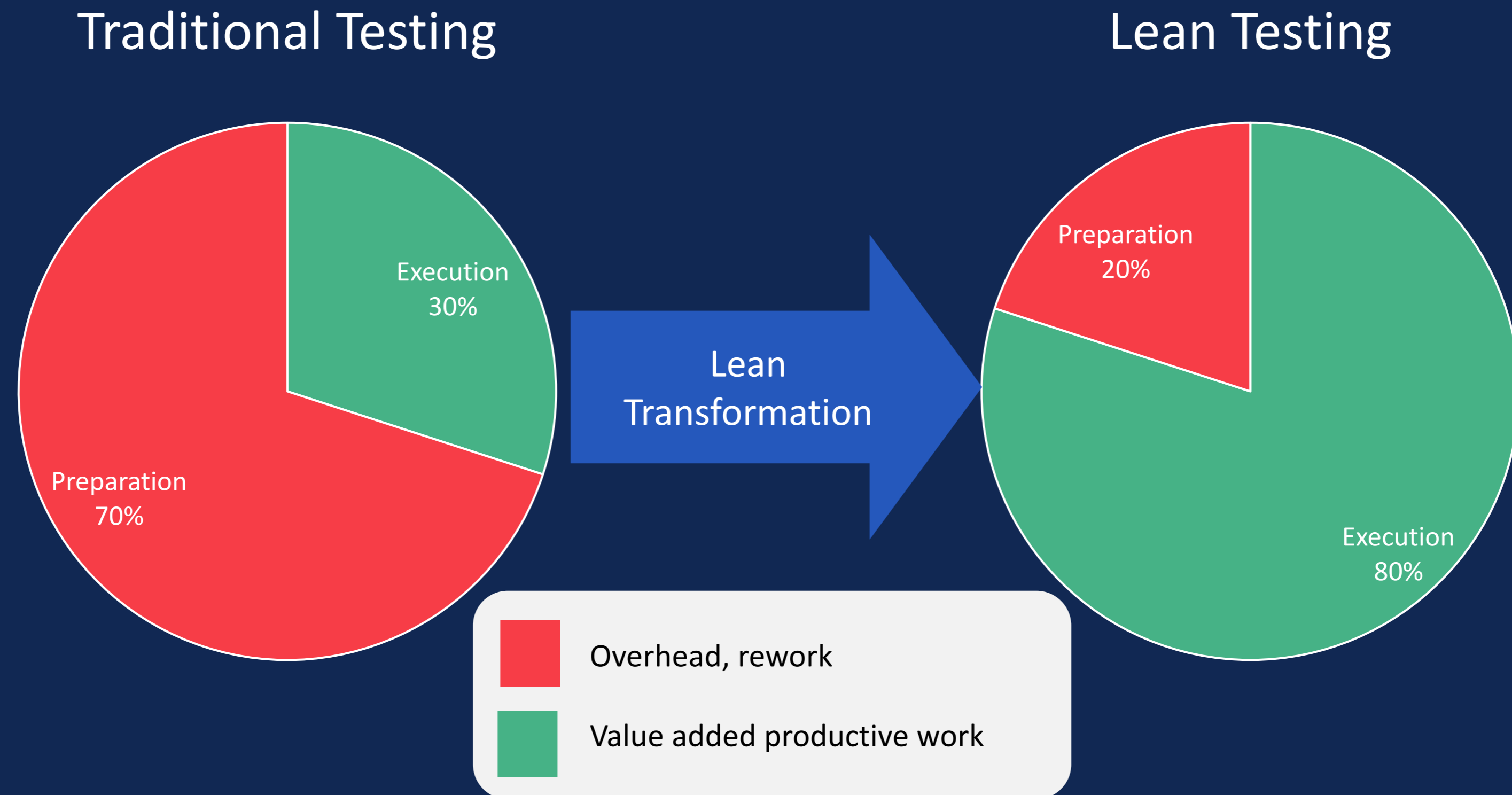


What I think I do



What I actually do

Lean Testing



What do we want? An outcome! When do we want it? Now!

Reduction in effort

- Creating test cases
- Reduce Re-work
- Test execution
- Introducing Exploratory Testing -> Automation
- Automated Regression testing

Stable releases that will not impact operations

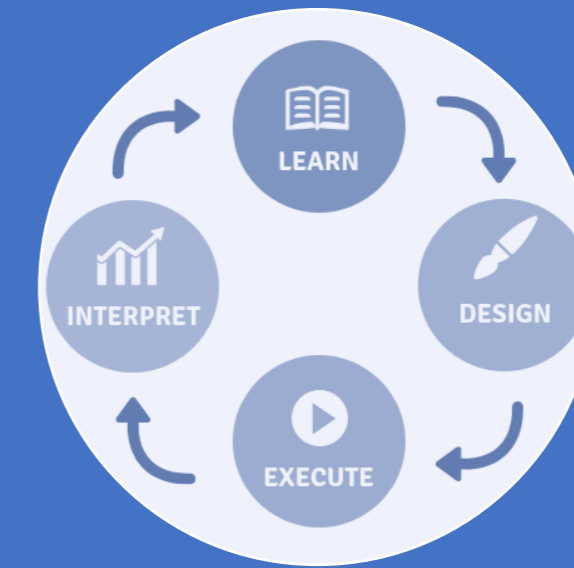
- Reduce the number of issues that make it to production

Spot the difference!



Traditional Approach

- Define Test Scripts
- Create Test Scripts Up Front
- 80% of effort on test preparation
- 20% of effort on test execution
- Longer feedback loop
- Checking – following a prescriptive test script



Lean Approach

- Define Test Statements
- Create test scripts “as you go”
- 20% of effort on test preparation
- 80% of effort on test execution
- Shorter feedback loop
- Testing – the tester develops the testing path

Cognitive Bias

Humans are weird and complex.
They take all kinds of mental shortcuts which, whilst often working out issues, sometimes cause more problems.

Monkey Business



Inattentional Blindness



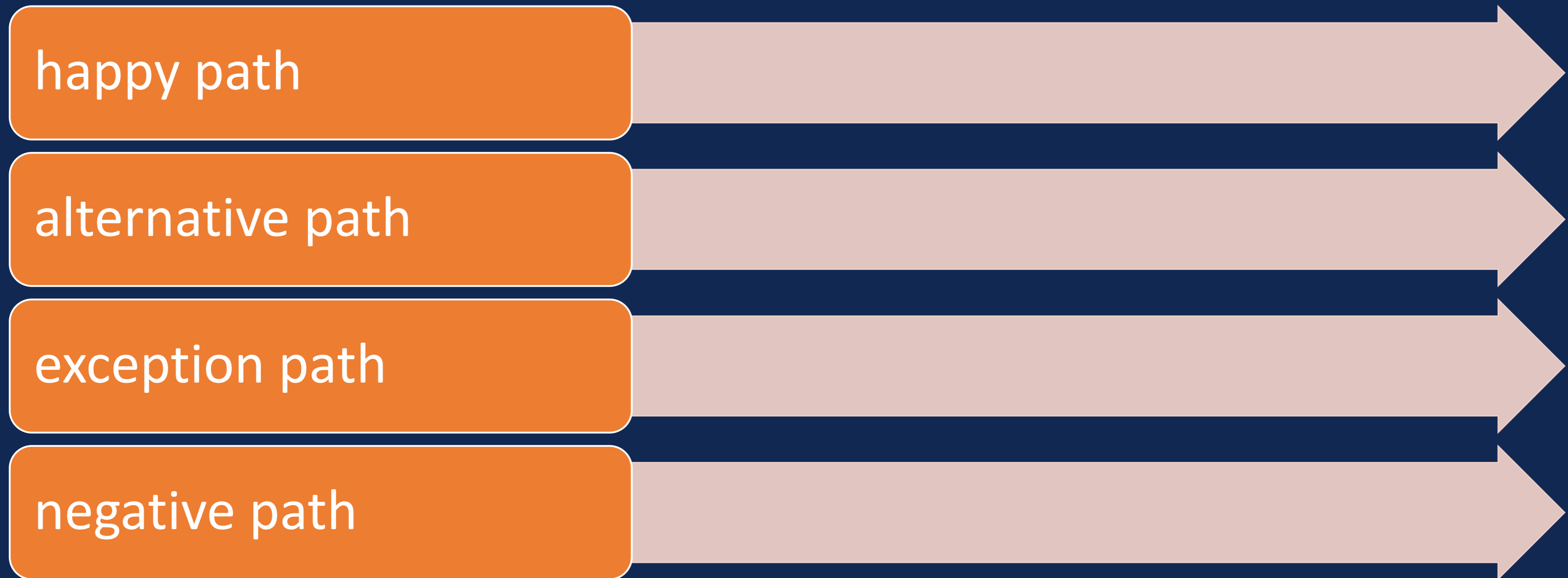
Test scripts can be useful, but are fallible and incomplete for evaluating the performance of the program

Concession of Responsibility



- Who would be willing to electrocute their colleagues?
- Stanley Milgram suggests that more than 60% of you would when instructed to do so by an authority figure!

Getting the coverage right



Testing

vs

Checking

Testing is the process of evaluating a product by learning about it through exploration and experimentation, which includes to some degree: questioning, study, modelling, observation, etc.

Checking is the process of making evaluations by applying algorithmic design rules to specific observations of a product.

Thank you

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