

Programmer by Day, Tester by Night



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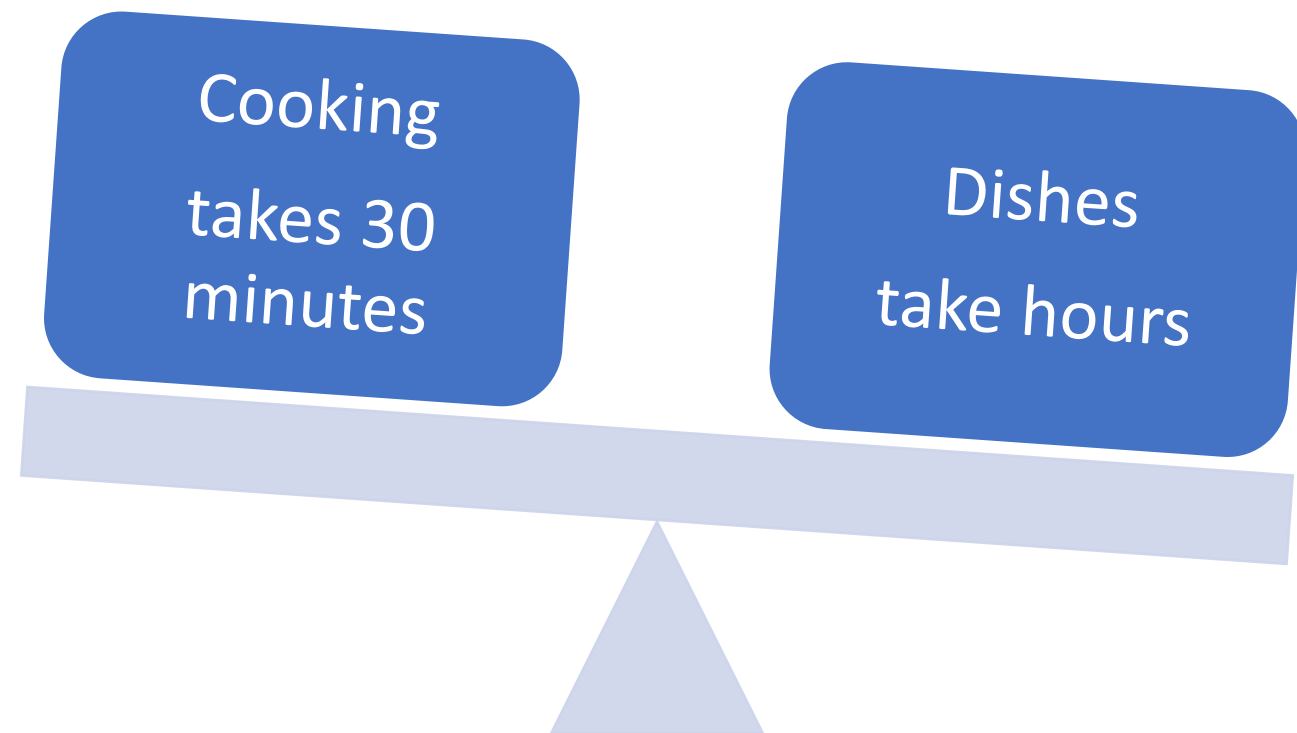
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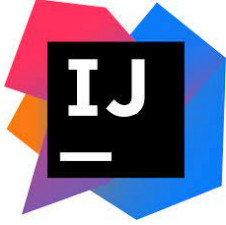


Chronoception

How do you perceive time for tasks that you enjoy
versus tasks that you dread

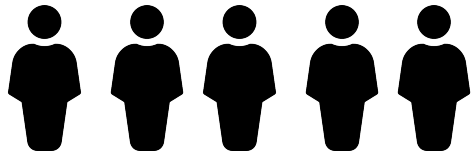


Do people like
to test
software?



An IDE plug-in to measure test activities

WatchDog



2,443 developers, 68 countries



Observation: min. 5 months, max 2.5 years

→ ~150 person years of development

Self-estimated time of test engineering in the IDE

49.5% - 50.5%

test
code

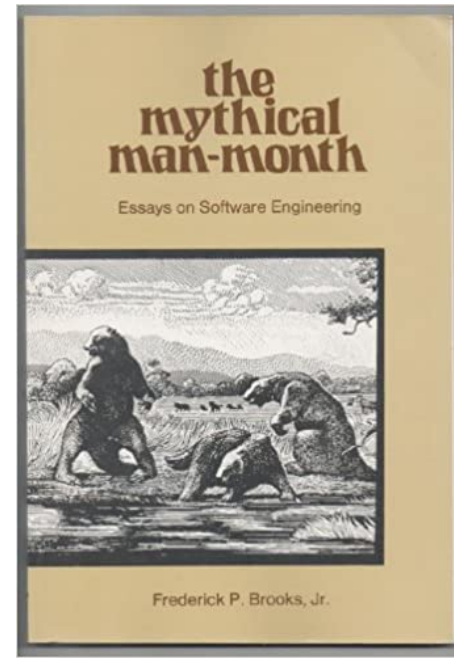
production
code

Self-estimated time of test engineering in the IDE

49.5% - 50.5%

test
code

production
code



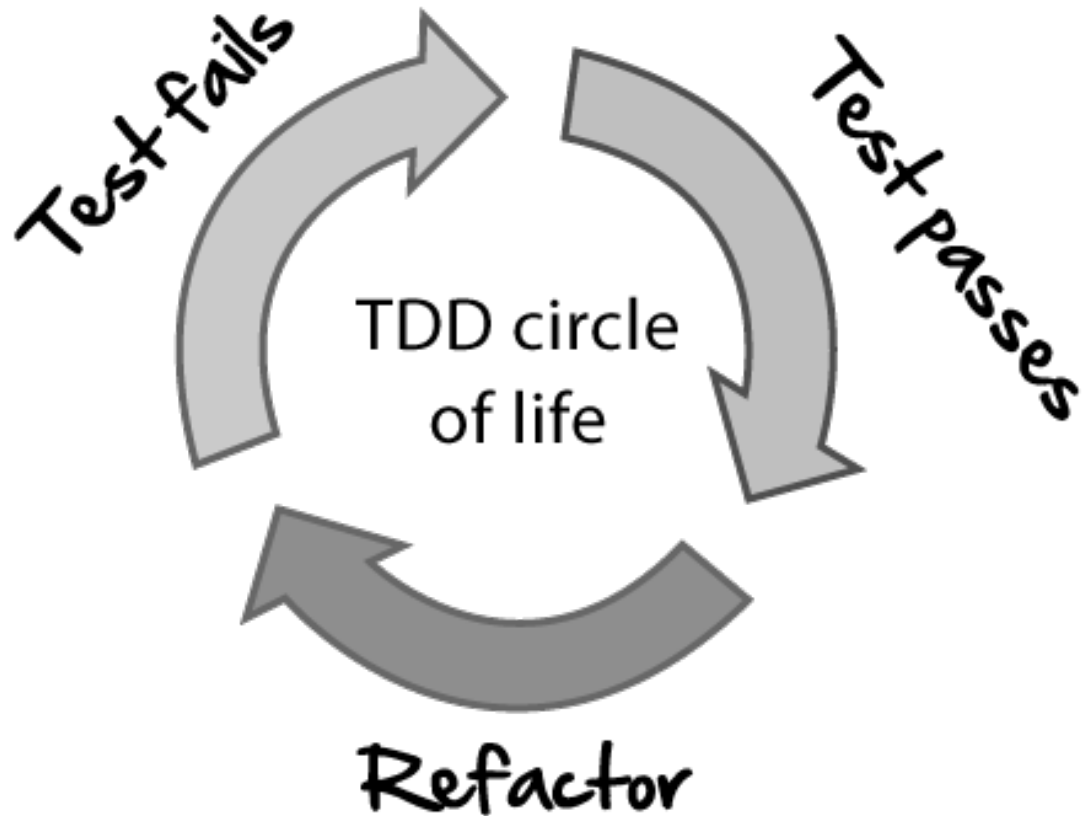
WatchDog measurements...

25% - 75%

test	production
code	code

Software testing is a “destructive activity”?

Test-driven development



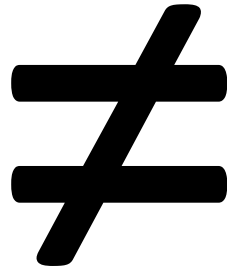
574 developers claim to do TDD



47 developers *actually do* TDD

Takeaway 1

What developers think/estimate



What developers do

Takeaway 1

What developers think/estimate

Chronoception of SW engineering tasks

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What developers do

Takeaway 2

Software analytics

Understand SW engineering tasks and their effort

Estimations

Chronoception of
SW engineering
tasks

Software
analytics



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Thanks to:
Moritz, Georgios, Annibale,
Sven, Sebastian, Wouter, Igor & Niels.