

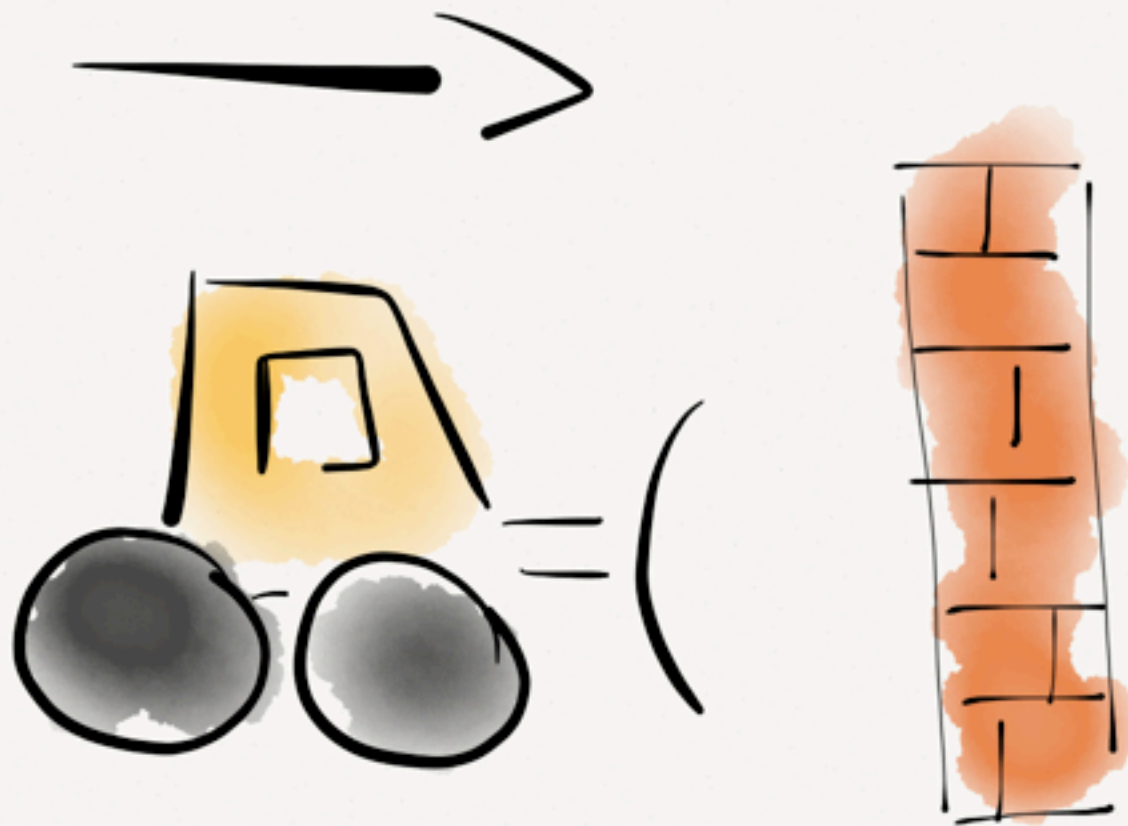


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Incompetence



Motivation



Innovation

# Innovation

- Easy
  - New market  $\Rightarrow$  New stuff
- Hard
  - Old market  $\leq$  New stuff



# Competent

- Knows how to do it
- Knows very well
- Is very comfortable in the area of specialty
- Is very confident



# Incompetent

- Has no prejudice
- Looks with fresh eyes
- Is unsure



# Tradition

- "My father did that by hand, so should I"
- We never used it, thus we don't need it





# Motivation

- Ego: Passion about your beloved idea
- Demand: I'm tired of doing this by hand



# Dogma



# Open Source is Good

- So, everything must be open source



# Open Source = Patents?

- Die-hard OSS people
  - ➔ GPL Lock-in
- Die-hard business people
  - ➔ iPad lock-in



# Pragmatic Open Source

- It's free. Really. Just **use it**.
  - ➔ Apache 2, BSD, MIT...



# Three breeds of languages

- Industrial
  - ➔ C, Java
- Enthusiast
  - ➔ Ruby, PHP
- Academic
  - ➔ Haskell



# Circulation

- Enthusiasts work in industry
- Academicians are funded by industry
- Alumni academicians work in industry
- Ideas flow from enthusiasts and academia to industry
- Demand flows back



# Dogma

- Academia: it must be all-powerful, provable and such
- Enthusiasts: it must be shiny on short examples
- Industry: why migrate our COBOL?





# Modern Programming Languages



# Demo

- Live coding



# Kotlin Resources

- Docs: <http://kotlin.jetbrains.org>
- Demo: <http://kotlin-demo.jetbrains.com>
- Code: <http://github.com/jetbrains/kotlin>
- Twitter:
  - ➔ @project\_kotlin
  - ➔ @abreslav

