

# 204: Swift Functional Programming

Part 5: Conclusion



# What We've Seen

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- ⚙ Example of modeling via immutable values
- ⚙ Use of elementary HOFs to process





# Elements of FP style

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- ⚙ Key practices to make programs “mathier”:
  - ⚙ immutable variables
  - ⚙ pure functions (no side-effects)
  - ⚙ higher-order functions



# Straight talk on FP

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- ⚙ Benefit: Makes programs as simple as simple math!
- ⚙ Risk: Makes programs as hard as hard math!
- ⚙ Sometimes cultish, but really a perspective
- ⚙ Quite possible to use piece-meal



# Straight talk on FP

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- ⚙️ Type systems
  - ⚙️ a puzzle distracting you from the actual problem
  - ⚙️ a path toward deeper insight and clarity
  - ⚙️ ... depending on the day of the week ;)