

204: Swift Functional Programming

Part 5: Conclusion

What We've Seen

- ⚙ Use of the classic higher-order functions
- ⚙ Problem modeling via *values* and *pure functions*

Straight talk on FP

- ⚙ Benefit: Makes programs as simple as math!
- ⚙ Risk: Makes programs as hard as math!
- ⚙ Easy to adopt piece-meal
 - ⚙ Pure functions
 - ⚙ Values

Straight talk on FP

- ⚙ Not discussed: type systems
 - ⚙ a path toward deeper insight and clarity
 - ⚙ a puzzle distracting you from the actual problem

Resources

- ⚙️ *Functional Programming in Swift* (2014), by Eidhof, Kugler, Swierstra)
- ⚙️ *Structure and Interpretation of Computer Programs*, by Abelson and Sussman
- ⚙️ *Programming Languages* (2013), Coursera, University of Washington