"Functional Programming in Scala"
Chapter 3

Nathaniel Osgood

Important Topics

- Immutable data structures

- Data sharing

- Pattern matching & declarative specification of algorithms

- Covariance in type parameters

- Recursion

- Abstraction via parameterization with
  - Higher order functions
  - Type parameters

- Equational reasoning

- Algebraic data types via subclassing

- Differing encapsulation conventions

Additional Topics

- Companion objects
- Variadic functions
- Advantages of multiple parameter lists for type inference
- Tuples
- Special Scala syntax for lists
- Differing naming conventions