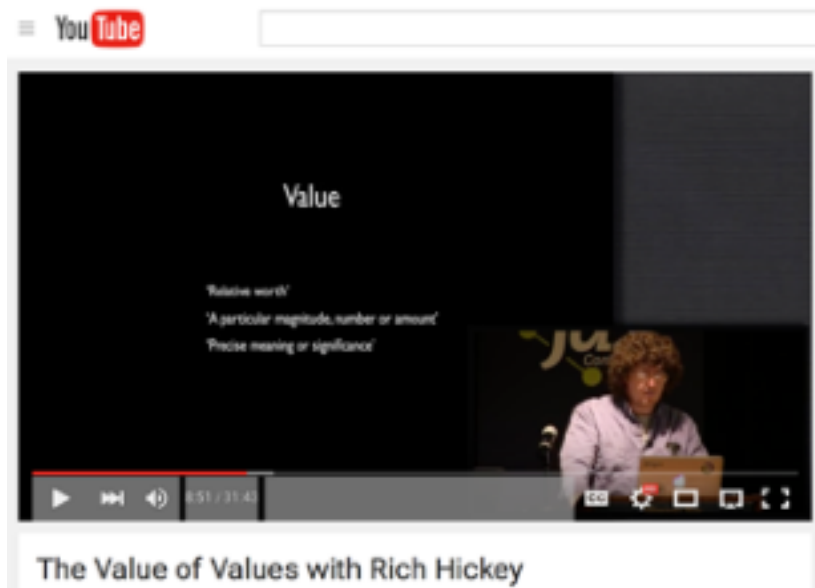


Value Oriented



- Most languages: immutable classes, but generally no baked in value support
- Better languages: immutable collections, but no deep updates or retrieval
- Few have a model for handling state (e.g. Scala stops at immutability)
- Clojure:
 - All of the above
 - All of Rich's points
 - STM

- Shareable
- Comparable
- Reproducible
- Synthesizable
- Universal
- Generic
- Aggregable
- Conveyable
- Perceivable
- Rememberable
- Interfaces
- Coordinated
- Movable

Functional

- Functional programming models computation as the application of mathematical functions
- Clojure FP eschews the complexities (e.g. category theory, monads, etc.) of Haskell and Scala in favor of practicality
- Data pipelining via functions is a ubiquitous Clojure concept
- Java got more functional with Lambdas