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6.5

Scala etc.

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Scala.js

- The JVM is not the only place you can run Scala!
- You can write browser code in Scala by using [Scala.js](#)
- And you can run it native now too! With LLVM

Dotty

- [Dotty](#) is the future version of Scala, probably Scala version 3.
- You can try Dotty out today.
 - The biggest difference is in the design of the compiler;
 - More general cases for implicit;
 - etc.
- One easy way to try Dotty is to use [Scastie in Dotty mode](#).

Cats, ScalaZ and Shapeless

- [Cats](#) is a *Lightweight, modular, and extensible library for functional programming*
 - Heavy use of type-classes, monads,
 - (239 SO questions—39 in 2018)
- [ScalaZ](#): is an (older) adjunct functional library for Scala.
 - (940 SO questions—12 in 2018)
- [Shapeless](#): ditto
 - (733 SO questions—19 in 2018)

Other stuff

- *Figaro*—Probabilistic programming
- *LaScala*—my random collection of library methods