

Who am I?

• Founder of Domino Data Lab, a software platform for enterprise data science



Previously built analytical software at a big hedge fund

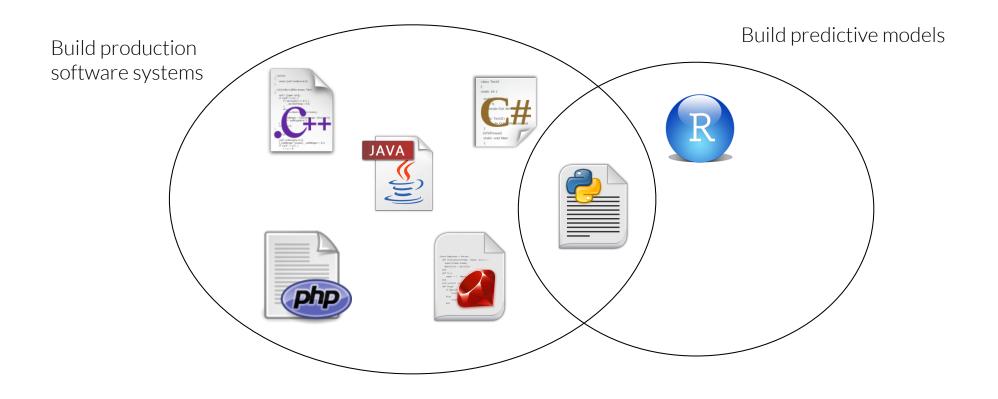


• BA, MS in computer science



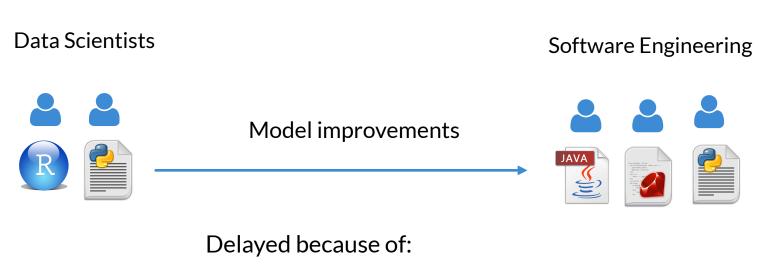
Motivation

Different languages good for different tasks



Motivation

Organizational design friction



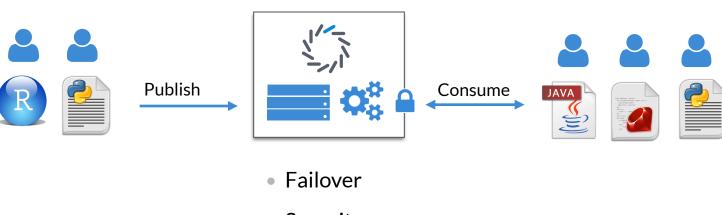
- Integration / porting of logic
- Out-of-phase release cycles
- Mismatched priorities

Solution

Data scientists create predictive models and publish them to Domino.

Domino provides a secure, lowlatency infrastructure for hosting predictive models <u>as web services</u>

Developers can invoke models from general purpose languages by making simple HTTP calls



- Security
- Logging
- Seamless updates
- etc

Demo

Production concerns

- Very low latency
- Zero-downtime upgrades
- High availability
- Reproducibility
- Logging
- Security
- Scheduled updates

Best practices

- Separate training, initialization, and prediction
- Make your prediction functions thread-safe
 - Don't mutate any shared state
- Leverage persistence/serialization tools (e.g., Rda)

Use cases

- Recommendation systems (music, books, products, cars, etc)
- Insurance
- Lease / loan / credit card approval

Check us out



<u>dominodatalab.com</u><u>blog.dominodatalab.com</u>@dominodatalab