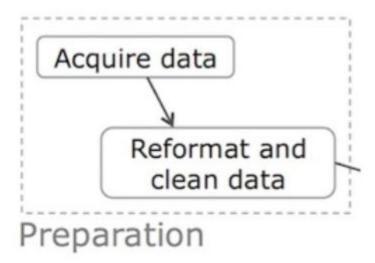
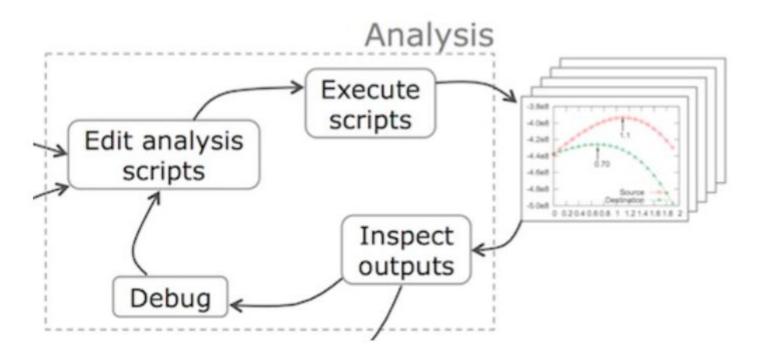
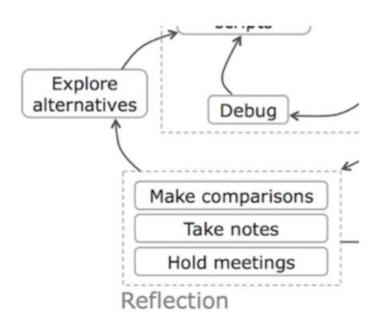
Real World Applications of Data Science

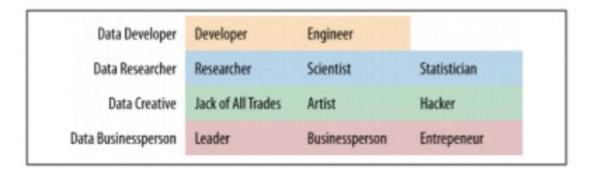
In partnership with: Proscia Inc, Betamore, Spark B-more

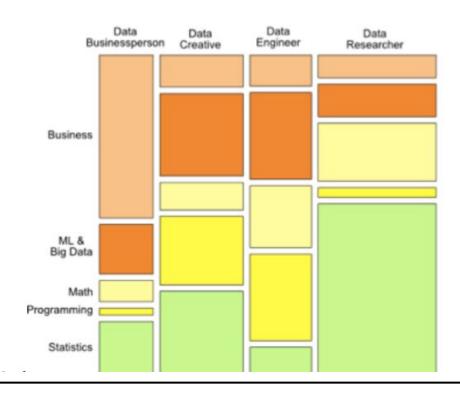
Course Recap

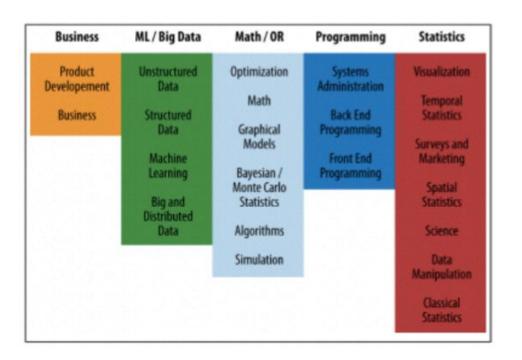












Data Visualization

- FlowingData
- plot.ly
- Grammar of Graphics
- D3.js
- Tableau

Data Processing

- Command line tools
- Connecting Python and the database

Statistics

- Experimental design
- Monte Carlo simulation
- Causality testing

Learning methods

- Neural Networks
- Support Vector Machines
- Latent variable models
- Non-linear dimensionality reduction/Manifold learning
- Recommender systems/Collaborative filtering
- Outlier detection

Other Languages

- R: For the latest statistical models, better visualization
- Julia: Faster combination of R + Python (very new)
- **Scala:** Many utilities for Hadoop and Spark

It's been a pleasure!