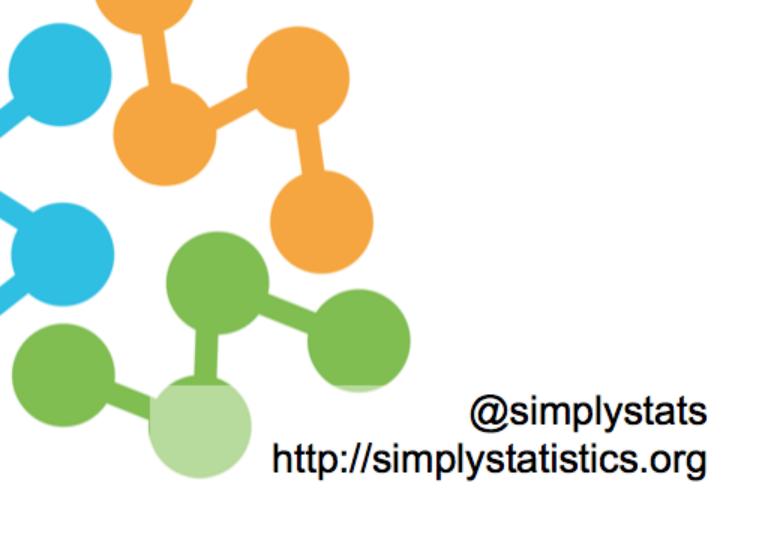
## **Statistics for Genomic Data Science**

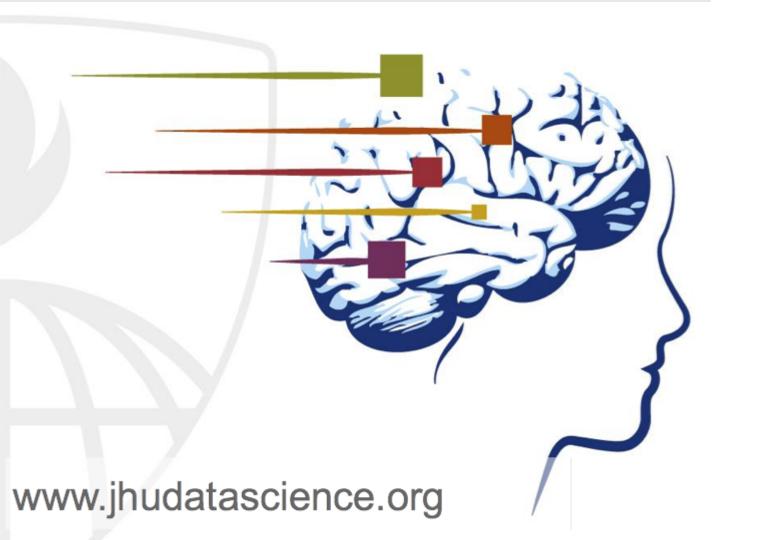
### Jeff Leek

@jtleek

www.jtleek.com

# Your instructor





# jtleek

Find me online @jtleek, @simplystats, Simply Statistics, and Github.

#### Home

Alumni

**Books** 

Data

Jobs

**Papers** 

People

Software

Talks

**Teaching** 

@jtleek http://www.jtleek.com

## What we will cover

- 1. Exploratory analysis
  Key Concepts: Plotting, skepticism
- 2. Normalization and preprocessing Key Concepts: Making samples/data comparable
- 3. Statistical modeling
  Key Concepts: Linear models, p-values
- 4. Statistical summarization
  Key Concepts: Gene set enrichment/model checking