

Statistics for Genomic Data Science

Jeff Leek

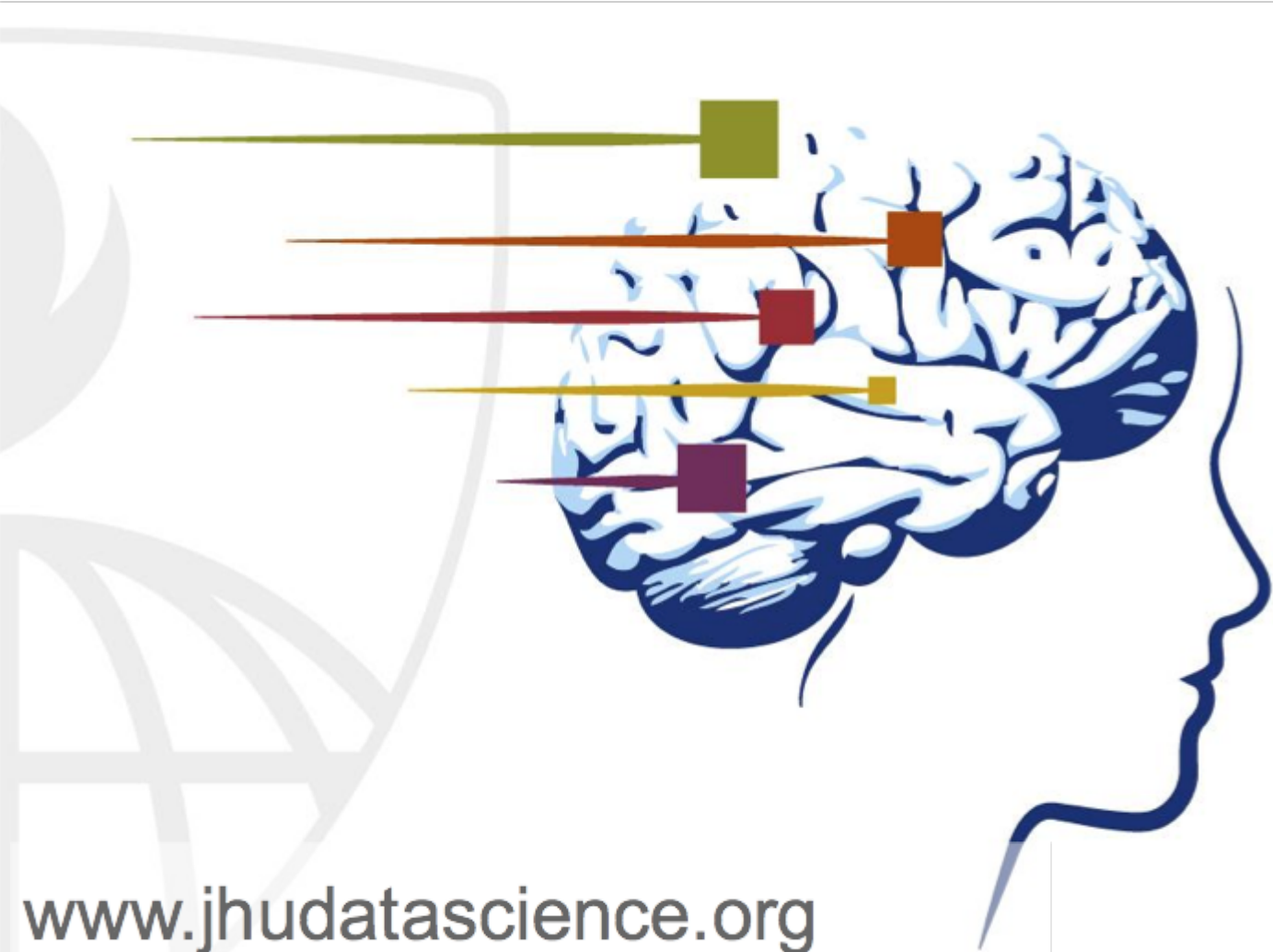
@jtleek

www.jtleek.com

Your instructor



@simplystats
<http://simplystatistics.org>



www.jhudatascience.org

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