

# Statistics 371H

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Statistics and Modeling Honors

Instructor: James Scott

TA: David Puelz



Because you watched The Crown



Recently Added



Watch It Again

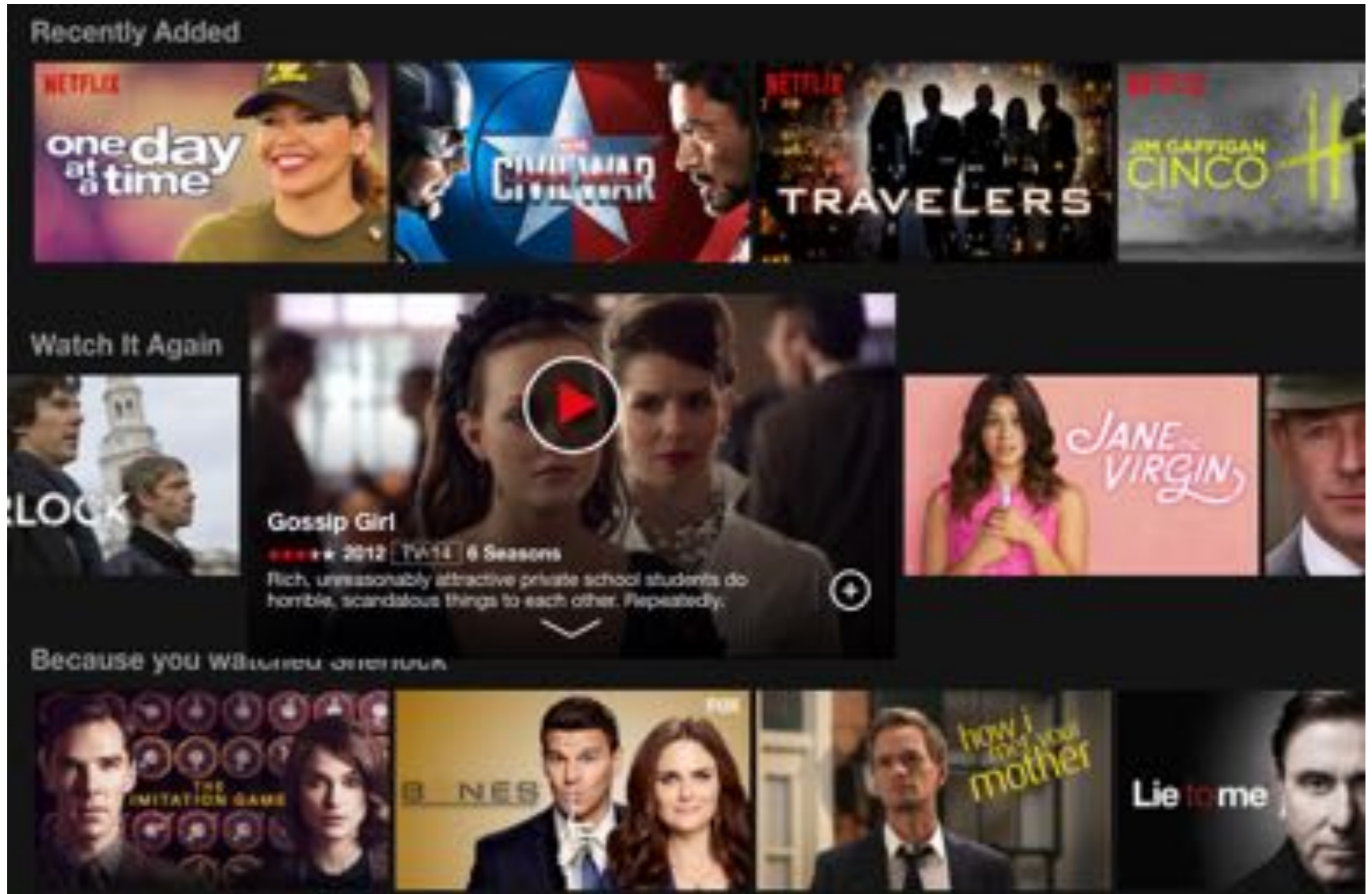


Because you watched Sherlock

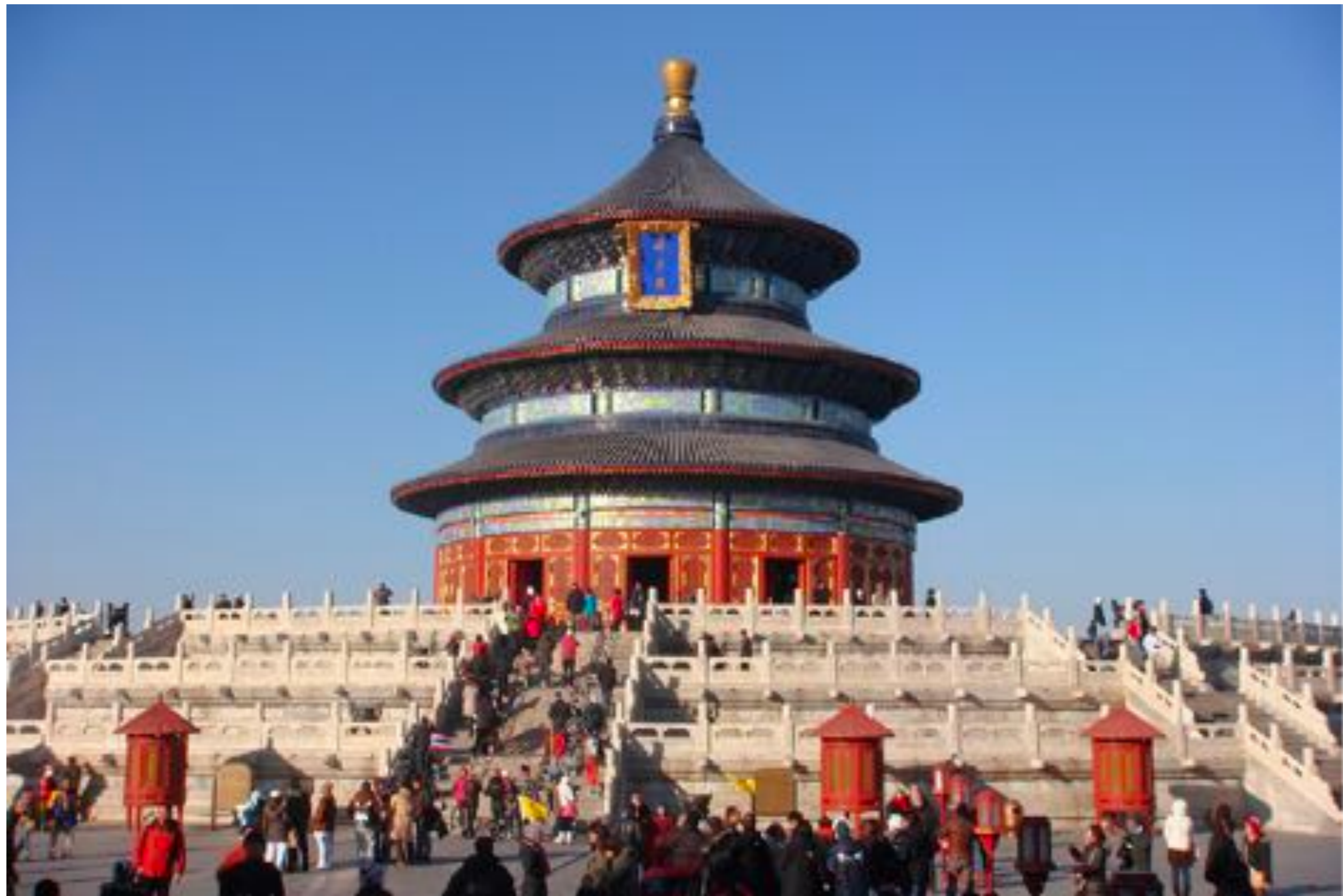


TV Shows





1 account, 2 viewers?





Can you spare a square?

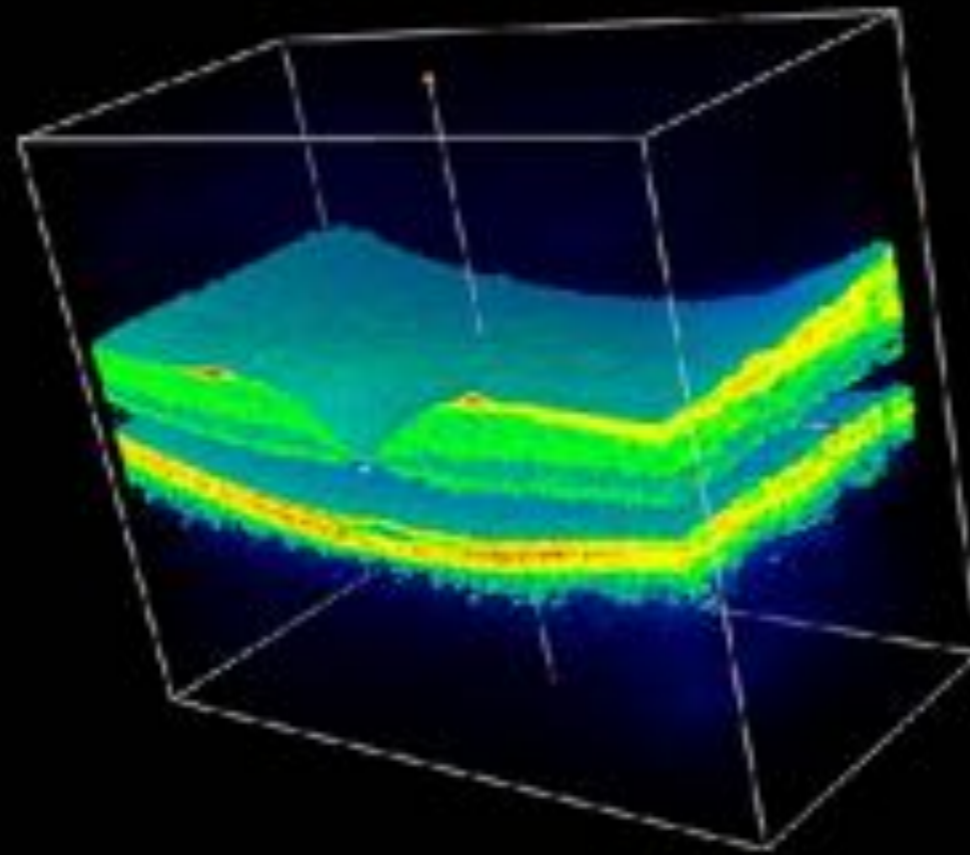




An Amazon data center







Health: Google DeepMind and diabetic retinopathy (an OCT scan)  
99% accuracy (versus 90% for the best doctors)





A satellite image of Le Mars, Iowa, pre- and post-classification (Descartes Labs)



Supply chain and logistics

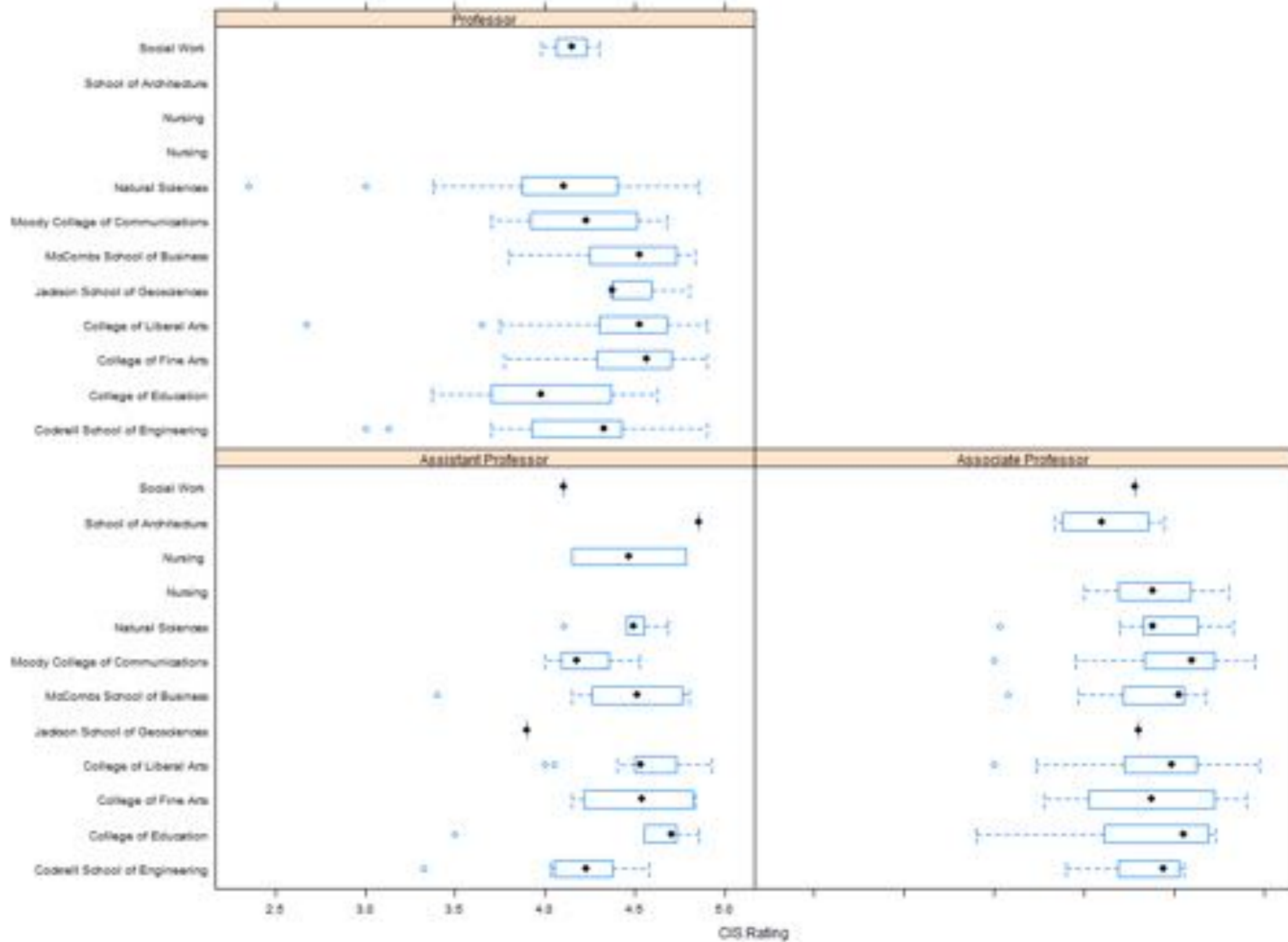


Finance



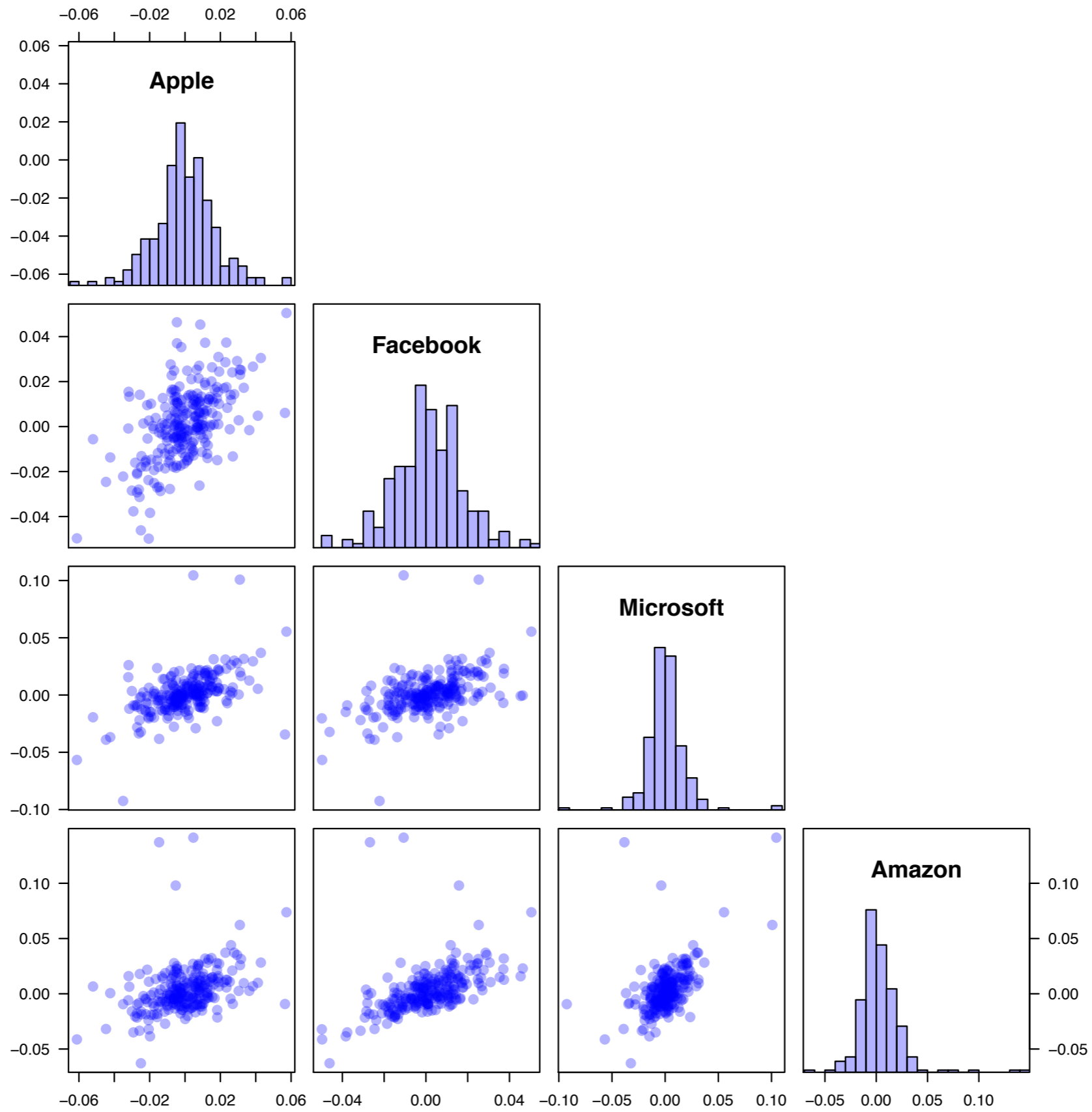


Title by College vs CIS Results



Course-instructor survey data (from a class project)





# Course materials: all free online

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- Course packet
- Videos
- Software walkthroughs, R scripts, and data sets
- Supplements:
  - Kaplan, *Statistical Modeling: A Fresh Approach*
  - Tufte, *Data Analysis for Politics and Policy*
  - Various other readings

# Grading

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- Homework (25%): most weeks
- Project (25%): due April 6, 2018
- Midterm (20%): last class day before Spring Break
- Final (30%): final exam during the assigned slot

# Expectations

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- Invest the time to learn R early in the semester.
- Keep up with the reading.
- Be a driver, not a passenger.
- Be disciplined and set good habits.

[jgscott.github.com/STA371H\\_Spring2018/](https://jgscott.github.com/STA371H_Spring2018/)