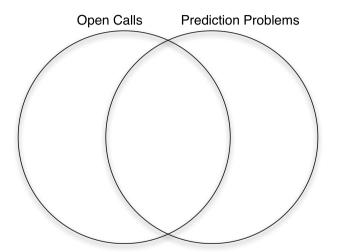
Open call (05-04)

Matthew J. Salganik Department of Sociology Princeton University

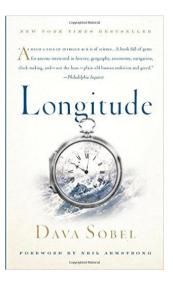
Soc 596: Computational Social Science Fall 2016











Solutions are easier to check than to generate

Imagine a charisma free social science

Imagine a social science with demonstrable progress

Imagenet and deep learning

Is there a role for prediction in the social sciences?

$$y_i = \beta_0 + \beta_1 x_1 + \beta_2 x_2 + \epsilon_i$$

$$y_i = \beta_0 + \beta_1 x_1 + \beta_2 x_2 + \epsilon_i$$

Produces $\hat{\beta}$ and \hat{y}

- ▶ Why does social science generally ignore \hat{y} ?
- What does data science generally ignore $\hat{\beta}$?

Statistical Modeling: The Two Cultures

Leo Breiman

http://dx.doi.org/10.1214/ss/1009213726

To Explain or to Predict?

Galit Shmueli

http://dx.doi.org/10.1214/10-STS330

Is creating an open call really research?

Churn prediction to amplified asking

 $\ \, \text{An example}$

Questions? Comments? Ideas? Suggestions?