PISA SIB Outline

**Fifteen-Year-Old Students’ Science Career Perceptions in PISA 2015**

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* Introduction
* Data, Measures, and Methods
  + Definition of science careers broadly
  + Specifically, information about the ISCO-08 codes
  + Disaggregation of science careers into engineering and technology/medicine
  + How mother and father occupations are coded
  + Software used for analyses
  + Brief discussion about t-tests
* Study questions
  + What percentage of U.S. 15-year-olds is interested in pursuing a career in science by student background variables and a school level variable (school location)?
  + Are the careers of students’ parents associated with the careers students expect to have themselves? For example, if a parent has a career in science, is a student more likely to express interest in a science career?
* Key Findings
* Find Out More
* Technical Notes
  + Target population and exclusions
  + Sampling design and sample sizes
  + Participation rates
  + Science literacy assessment development
  + Weighting, scaling, and plausible values
  + Sampling and nonsampling error and variance estimation
  + Interpreting statistical significance
* References