

Data Analytics 102: Population estimates, error rates, and project design

Agenda:

1. Descriptive Statistics Review:
2. American Community Survey Overview
3. Error rates in estimating population parameters
4. Final project design

American Community Survey:

Choose a census tract of interest or relevance to you in Geographies and choose the Table Educational Attainment S1501.

A. Review the table summary data and describe 2 population estimates for which the Margins of Errors are within range for reasonable interpretation. Compute the range of the population parameter for each:

B. Describe two population estimates for which the margins of errors are too large to extract meaningful insights. Compute the range of the population parameter to support your claim:

Project Outline:

A. Domain of interest:

B. Guiding questions:

C. Variable(s) of interest (brainstormed):

D. American community Survey tables relevant to your topic:

E. Search for data sets on WPRDC, data.gov, etc., that contain crunchable data relevant to your topic of interest.

