

L7: Feb. 1, 2017.

House keeping.

- Written homework due today
 - Written homework due Friday
 - Writing assignment due Monday on Canvas
 - Choose your book project book
- } in class

Last time: (?) Sampling with/without replacement

- Systematic & convenience sampling
- Cluster sampling

QUESTIONS?

- Today:
- Sampling errors
 - Nonsampling errors
 - Sampling bias

- Sampling errors are caused by the sample itself, or the process by which a sample is chosen.

Example: You try to determine the proportion of residents of New York City who take public transportation to work by asking ~~the~~ 20 randomly chosen people you meet in Central Park.

Problem(s):

- Sample size is too small!
- Sample not collected from relevant pool of individuals (possibly)

GENERALLY: CONTROLLING FOR OTHER FACTORS, LARGE SAMPLE MEANS SMALL SAMPLING ERROR.

- Nonsampling errors are errors in data that are not caused by sampling - for example, a defective counting device, lost data due to hard drive failure, or other errors.
- Sampling bias is created when some individuals in the population are less likely to be chosen than others.