Sampling Techniques with the Class Roster
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This Presentation

- Outlines an Activity for Sampling Techniques
  - Active Learning
  - Builds Community
  - Inclusive
- All aspects can be modified
- Can be modified for online courses
1. Introduce Sampling Techniques

- Brief Presentation
- Recorded Video
- Handout
2. Conducting a Census

- Students fill out a seating chart
  - Names, pronouns
  - 2 other characteristics

- Modifications

- Activates visual, auditory, kinesthetic, and social learning
Possible Characteristics

● Pathway
● High School/Region
● Companion Animals
● Favorite Streaming Service
● Favorite Season
Choose your own Characteristics

- Qualitative
- 4-6 possibilities
- Inclusive
- Equitable
Characteristics to Avoid

- Physiological
- Typical Demographics
- Politics & Religion
- Anything Divisive
3. Sampling

- Groups of 3-4, Samples of 5
- Random - They pick randomizer
- Cluster - Groups or Rows/Columns of class
- Stratified - Characteristic
- Systematic - They pick k and order
- Modifications
4. Critical Thinking Questions

- What was your randomizer?
- Do the Strata need to be mutually exclusive?
- Did you pick equal amounts from each strata or proportionally? Why?
- What are the similarities between Cluster and Stratified? Differences?
5. Class Discussion

- Compare statistics from each group
- Compare statistics to parameters
- Discuss Critical Thinking Questions
- Ask for insights
Modifying for Online (synchronous)

- Groups are breakout rooms
- Participants can move room to room (Zoom)
Modifying for Online (asynchronous)

- Use a survey to get characteristics
- Make roster available to students as a spreadsheet