

## New York Additional Topics Lesson 1

### NY P.726: Analyzing Data and Identifying Bias

#### Part 1: Identifying Types of Data

1. fall0714ia, P.I. A.S.2  
Which situation should be analyzed using bivariate data?
  - [A] Ms. Saleem keeps a list of the amount of time her daughter spends on her social studies homework.
  - [B] Mr. DeStefan records his customers' best video game scores during the summer.
  - [C] Mr. Benjamin tries to see if his students' shoe sizes are directly related to their heights.
  - [D] Mr. Chan keeps track of his daughter's algebra grades for the quarter.

#### Part 2: Sampling and Surveys

2. 010815b, P.I. A.S.3  
Which method of collecting data would most likely result in an unbiased random sample?
  - [A] selecting every third teenager leaving a movie theater to answer a survey about entertainment
  - [B] placing a survey in a local newspaper to determine how people voted in the 2004 presidential election
  - [C] surveying honor students taking Mathematics B to determine the average amount of time students in a school spend doing homework each night
  - [D] selecting students by the last digit of their school ID number to participate in a survey about cafeteria food

[1]   C  

[2]   D