Introduction to Statistics

DEAC 106

Activity 1

Determine whether each of the following is a descriptive or inferential statistic

1. Family households with children under 18 are more likely to have Internet access (77%) than those without children (68%)

2. Last week, Alice had 23 customers who received haircuts and styling in her home salon

3. The mean score on my statistics exams was 88

4. A recent survey found that 57% of Americans had a favorable view of the US president

Activity 2

Determine whether the data required for the following examples are primary or secondary. For primary data, choose the most appropriate method of data collection (observation, experiment, or survey)

1. Apple wants to assess the level of customer satisfaction with their newly launched iPad product
2. Pepsi wants to find out whether customers prefer the taste of Diet Pepsi over Diet Coke
3. Cleveland State University needs to determine the current inflation rate to decide on the annual salary increments for its employees in the upcoming year
4. McDonald's wishes to figure out the average waiting time for drive-through customers during the lunch hour

Activity 3

Specify type of information (qualitative/quantitative) and level of measurement for the given data sources:

1. The IQ score
2. The cost of one gallon of gasoline
3. The letter grade obtained in a statistics class
4. The quantity of Frosted Flakes boxes on a grocery store shelf
5. The kinds of cars used by statistics students

Student name: ... [Copy this template]

Activity 1:

1.   ...

Activity 2:

1.   ...

Activity 3:

1.   ...