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Statistics

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| **Across****2.** a statement regarding a characteristic of one or more populations**8.** a number computed by adding all the values of the variable in the data set and dividing by the number of observations**9.** serve as cutoff points for determining outliers**12.** the most frequent observation of the variable that occurs in the data set**13.** the science of collecting, organizing, summarizing, and analyzing information to draw conclusions or answer questions**16.** a numerical summary of a population**17.** : the difference between the largest and the smallest data value**19.** the degree to which the data are spread out**20.** : the characteristics of the individuals within the populations | **Down****1.** The list of observed values for a variable**3.** the value that lies in the middle of the data when arranged in ascending order**4.** occurs when the effects of two or more explanatory variables are not separated**5.** a person or object that is a member of the population being studied**6.** a graph constructed by drawing rectangles for each class of data**7.** the square of the standard deviation**10.** each repetition of an experiment**11.** the distance that a data value is from the mean in terms of the number of standard deviations**14.** a type of diagram that lists the equally likely outcomes of an experiment using branches**15.** a subset of the population that is being studied**18.** a type of diagram that represents events as circles enclosed in a rectangle |