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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 |