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Statistics

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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 14 |  |  |  |  |  |  |  |  |  |  |
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|  |  | 19 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Across****1.** branch of statistics, involves organization, summarization, and display of data**3.** qualitative or quantitative data**5.** use of a mathematical or physical model to reproduce the conditions of a situation**8.** treatment is applied to part of a population and responses are observed**10.** investigation of one or more characteristics of a population**11.** sample that may leave to biased studies**12.** science of collecting, organizing, analyzing, and interpreting data to make decisions**15.**  information from observations, counts, measurements, or responses**17.** subset of a population**18.** every member of population has an equal chance of being selected**19.**  numerical description of a sample characteristic**21.** sample has members from each segment of the population**22.** consists of attributes, labels, non-numerical entries**23.** population falls into naturally occurring subgroups; each having similar characteristics**24.** similar to interval; zero entry is an inherent zero**25.** consist of numerical measurements or counts | **Down****2.** quantitative data; can be ordered and calculate meaningful differences between data entries**4.** every possible of the same size has the chance of being selected**6.** qualitative data only**7.** branch of statistics; involves using a sample to draw conclusions about population**9.** each member of the population is assigned a number**13.** numerical description of a population characteristic**14.** measure part of population**16.** count of entire population**20.** collection of all outcomes, responses, measurements, or counts that are of interest |

   Data       Statistics       Population       Sample       Parameter       Statistic       Descriptive Statistic       Inferential Statistic       Qualitative data       Quantitative Data       Nominal level of measurement       Ordinal level of measurement       Interval level of measurement       Ratio level of measurement       Census       Sampling       simulation       Experiment       Survey       Random Sample       Simple Random Sample       Stratified sample       Cluster Sample       Systematic Sampling       Convenience Sample