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Statistical Inference

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| **Across**  **3.** Arranging objects of a set in no specific order  **4.** Sum of all possible values each multiplied by the probability of it occurring  **9.** Selected people/objects from the whole  **10.** Process over time in which outcomes match real-world problems  **11.** Arranging objects of a set in a specific order  **12.** Number that appears most often in a set of numbers  **14.** The average of the squared differences from the mean  **15.** Used to gather information  **16.** Average of the numbers  **17.** The whole group that is being studied  **19.** When event A's occurrence does not affect the probability of Event B occurring  **20.** Measure of how spread out the numbers are | **Down**  **1.** Random experiment that has two possible outcomes: success and failure  **2.** The number of standard deviations a data point is from the mean  **5.** Collecting, organizing, and interpreting data  **6.** The outcome of Event A affects the outcome of Event B  **7.** The number of times the data value occurs  **8.** Bell-shaped density curve described by its mean and standard deviation  **13.** Likelihood of something occurring in the future  **18.** The "middle" number in a set of ordered numbers from least to greatest |