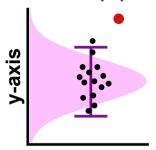
Understanding Error Bars in Experimental Science

Standard Deviation(SD) (Descriptive)

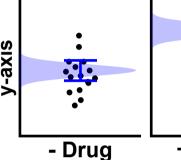
Q's w/n a population: Is this "normal"?

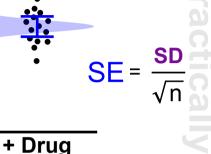


$$SD = \sqrt{\frac{\sum (y - \overline{y})^2}{(n-1)}}$$

Standard Error(SE) (Inferential)

Q's between populations: Are they "different"?





Standard Error (SE) vs 95% Confidence Interval (CI) vs p-value

