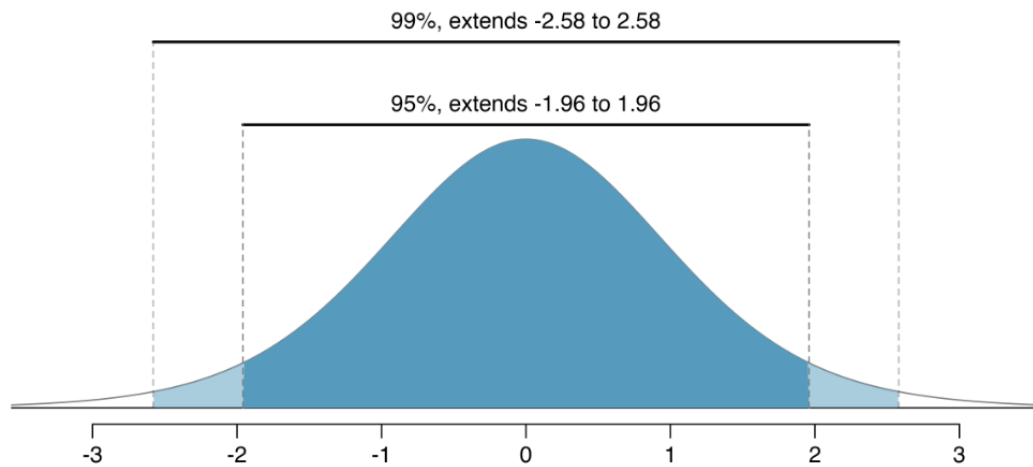


Formula Sheet

Standard Normal Distribution Cut Offs



Formulas

Single proportion SE calculations

$$\sqrt{\frac{\pi_o*(1-\pi_o)}{n}}$$

$$\sqrt{\frac{\hat{p}*(1-\hat{p})}{n}}$$

Difference in proportions SE calculations

$$\sqrt{\frac{p_{pool}*(1-p_{pool})}{n_1} + \frac{p_{pool}*(1-p_{pool})}{n_2}}$$

$$\sqrt{\frac{\hat{p}_1*(1-\hat{p}_1)}{n_1} + \frac{\hat{p}_2*(1-\hat{p}_2)}{n_2}}$$

Single mean SE calculations

$$\frac{s}{\sqrt{n}}$$

Difference in means SE calculations

$$\sqrt{\frac{s_1^2}{n_1} + \frac{s_2^2}{n_2}}$$

General Confidence Interval Formula

$$statistic \pm multiplier * SE$$

General Formula for Test Statistic

$$\frac{statistic - null\ value}{SE}$$