

Difference of 2 independent proportions:

CI:

$$\hat{\pi}_1 - \hat{\pi}_2 = \pm t^*(se)$$
$$se = \sqrt{\frac{\hat{\pi}_1(1 - \hat{\pi}_1)}{n_1} + \frac{\hat{\pi}_2(1 - \hat{\pi}_2)}{n_2}}$$

df is the same for 2 independent means (still computed by software program)

Test statistic:

$$t = \frac{\hat{\pi}_1 - \hat{\pi}_2}{se}$$