

Comparing Two Proportions

The Sampling distribution of a Difference between Two Proportions –

Shape

Center

Spread

Conditions for constructing a confidence Interval about a Difference in Proportions –

Two Sample Z Interval for a Difference between two Proportions –

Significance Tests for $p_1 - p_2$

Conditions for performing a significance test about a difference in proportions

Two-Sample z Test for the Difference between two proportions

Comparing Two Means

The Sampling Distribution of a Difference between Two Means –

Shape

Center

Spread

The Two-Sample t Statistic

Conditions for performing inference about $\mu_1 - \mu_2$

Two-Sample t Interval for a difference between two means –

Significance Tests for $\mu_1 - \mu_2$

10

Describe the shape, center, and spread of the sampling distribution of $\hat{p}_1 - \hat{p}_2$. Determine whether the conditions are met for doing inference about $p_1 - p_2$. Construct and interpret a confidence interval to compare two proportions. Perform a significance test to compare two proportions.

10.1) 1, 4, 6, 7, 9, 11, 13, 15, 18, 20, 22

Describe the shape, center, and spread of the sampling distribution of $\bar{x}_1 - \bar{x}_2$. Determine whether the conditions are met for doing inference about $\mu_1 - \mu_2$. Construct and interpret a confidence interval to compare two means. Perform a significance test to compare two means. Determine when it is appropriate to use two-sample t procedures versus paired t procedures.

10.2) 31, 33, 34, 37, 38, 39, 41, 44, 49, 51, 54

Spiral Review:
Frappy Pg.530, T2.3,
T5.12, T7.13, AP2.23

Practice Test

Test

Cumulative AP Test
Pg.669) 1-6, 8-11,15, 18-20, 22, 25-29, 33,35