



EXAM 2 REVIEW


CH6: Comparing two population means or medians

Paired Data: Paired t-test and Paired Wilcoxon (Sign Rank)

CH7: Inferences about Population Variances and Standard Deviations

Single population variance: Chi-squared test and CI

Two population variances: F-test and CI

Two (or more) population variances: Levene's test 

CH8: ANOVA-Comparison of Several Population Means

ANOVA F-test

Pairwise comparisons: tests and CIs

Checking ANOVA Assumptions

Kruskal-Wallis Test and Dunn's Test

Transformations

Linear Contrasts in the one-way model

Power and Sample Size

CH9: Multiple Comparison Methods

Error Rates: CER, EER, FER 

Methods: unadjusted (LSD), Tukey(HSD), Bonferonni, Dunnett

CH10: Analysis of Categorical Data

Binomial Random Variables (and the Normal Approximation)

Inference for a single population proportion: binomial and Z tests and CIs

Inference for 2 proportions: Z test and CI

McNemar's test for Paired Proportions 

Chi-square GOF Test