Cheatography

Formulate the Hypothesis			
Null Hypothesis H0	hypothesis that is bein	esis that is being tested (and trying to be disproved)	
Alternate Hypothesis H1 represents the alternative		tive value	
Hypothesis Testing for Mean of	-Sample		
one sample t-test (μ0 (given) is population mean; μ is computed sample mean)		e_vector , mu=populatio- ernative="two.sided")	Compare p-value with <i>a</i> to check if H0 is rejected or not; Check test-statistic z if H0 is true;
test for proportion (p (given) is population mean; μ is computed sample mean)		e_proportion, n_proportion, n_mean, alternative =	Compare p-value with <i>a</i> to check if H0 is rejected or not; Check test-statistic z if H0 is true;
Test for Normality			
Quantile Quantile Plot	qqPlot- Check (vector)	curve of qqplot	
Shapiro-WilksH0 : x = N(μ , σ) and H1 : xshapir- shapir- o.testCheck p-value obtained from the test is < 0.05 then we reject H0 and assume data is not normally distributed.			st is < 0.05 then we reject H0 and assume the
Comparing Variances			
Fisher's F test H0: the variance	es are the same; H1: they are diffe	erent var.test(vectorA, vec	ctorB) Check p-value; Check ratio if H0 is true
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