Farametric Saistaibuted Non-parametric independent of distribution

Sunday, May 21, 2023 9:53 Pt

Z < OX -> Ho else -> Ha Z-test Ho -> 5 ample mean = popul. mean Ha + x - M Stddev _ To of popul.

T-test x -mean of sample \rightarrow \times_1 = \times_2 popul-mean, std.dev -> X $\frac{\chi_1 - \chi_2}{std_1 + std_2}$

Sunday, May 21, 2023 10:00 PM

3 versions of T-test: 1) Independent sample companes 2 groups' mean

Sunday, May 21, 2023 10:01 PM

Paired sample Companes mean same group

Sunday, May 21, 2023 10:01 PM

3) One-sample T-test mean of a single group against a known -mean. Sunday, May 21, 2023 10:02 PM

Chi-Square Test

Cabyfred Ta categorical variables tb -> A, B independent Ha -> A, B dependent

Sunday, May 21, 2023 10:05 PM

$$c^{2} = \underbrace{\begin{array}{c} (O_{i} - E_{i})^{2} \\ E_{i} \end{array}}$$

E = Experted value

ANOVA — Compare 3+ samples Ho -> All pains of samples Same - at least one pain is significantly different

C3C2 Page 11

Sunday, May 21, 2023 10:08 Pf

Categnial Imput Variables Output #group S var able meens won fully no