\* Test of significance: In testing of hypotheses, we construct tests for testing the significance of certain statistics. These tests are classified in two groups (i) large sample tests (ii) Small sample tests. In large scronple tests, we use the samples with size n > 30, as the sampling distributions of many statistics are approximately normal when ny30. For small sample tests, the sample size on is less than 30 and we We the exact scroppling distoributions of the statistics (overall concept about ch.) Parametric test. T- test z-test F-test. \* large sample size / Small sample size AS mall Sample n < 30. 1 mil holi Size. + variance 4nknown \* Two independent \* Vouciance known) estimation \* t = x-4 \* 7 = x-4 of population \* schone Variance If o is unknown > S=0 Non Parametric test. X (chi square) test. (rused for test of goodness of fit \* value bet 0 cond 1 \* large sample size n> 50.





