Flow Chart Directions

Follow the flow chart and choose the most appropriate option from the list below to fill in the blank boxes with a statistic or type of statistical test to use in each situation. Use each item below ONCE to fill in the numbered boxes in the flow chart. Note that some things appear in the list multiple times, this means they should go in multiple boxes. For example, Mann-Whitney U is in this list two times, so it should go in two numbered boxes.

Assume that the independence assumption is met for all tests.

* ANOVA
* Chi-squared
* Frequencies, percents
* Group frequencies, group percents
* Group means, group standard deviations
* Group medians, group IQR
* Independent samples t-test
* Kruskal-Wallis
* Kruskal-Wallis
* Mann-Whitney U
* Mann-Whitney U
* Mean, standard deviation
* Median, IQR
* One-sample t-test
* Pearson's r
* Pearson's r, simple linear regression
* Sign test
* Spearman's rho
* Spearman's rho
* Spearman's rho
* Spearman's rho
* Spearman's rho
* Spearman's rho
* Transform or recode or look for other options
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