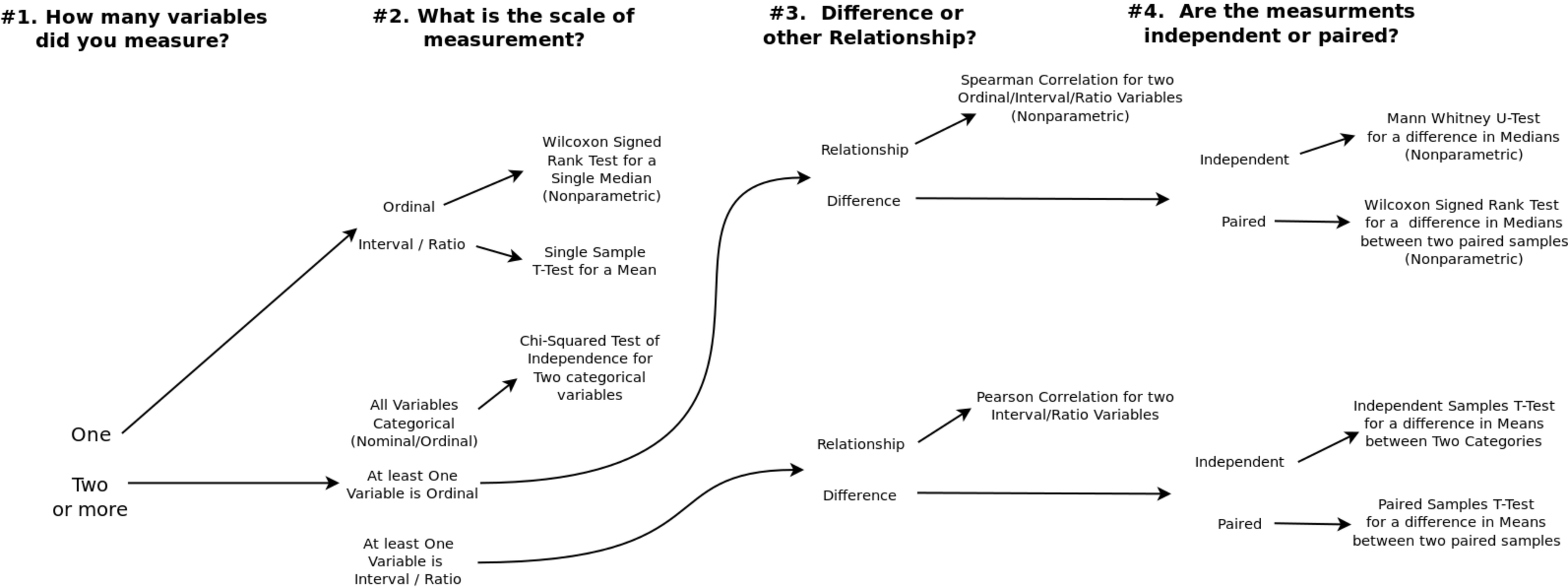
#1. How many variables did you measure?
#2. What is the scale of measurement?
#3. Difference or other Relationship?
#4. Are the measurments independent or paired?
One
Two or more
Ordinal
Interval / Ratio
All Variables Categorical (Nominal/Ordinal)
At least One Variable is Ordinal
At least One Variable is Interval / Ratio
Wilcoxon Signed Rank Test for a Single Median (Nonparametric)
Single Sample T-Test for a Mean
Chi-Squared Test of Independence for Two categorical variables
Relationship
Difference
Relationship
Difference
Spearman Correlation for two Ordinal/Interval/Ratio Variables (Nonparametric)
Pearson Correlation for two Interval/Ratio Variables
Independent
Paired
Independent
Paired
Mann Whitney U-Test for a difference in Medians (Nonparametric)
Wilcoxon Signed Rank Test for a difference in Medians between two paired samples (Nonparametric)
Independent Samples T-Test for a difference in Means between Two Categories
Paired Samples T-Test for a difference in Means between two paired samples