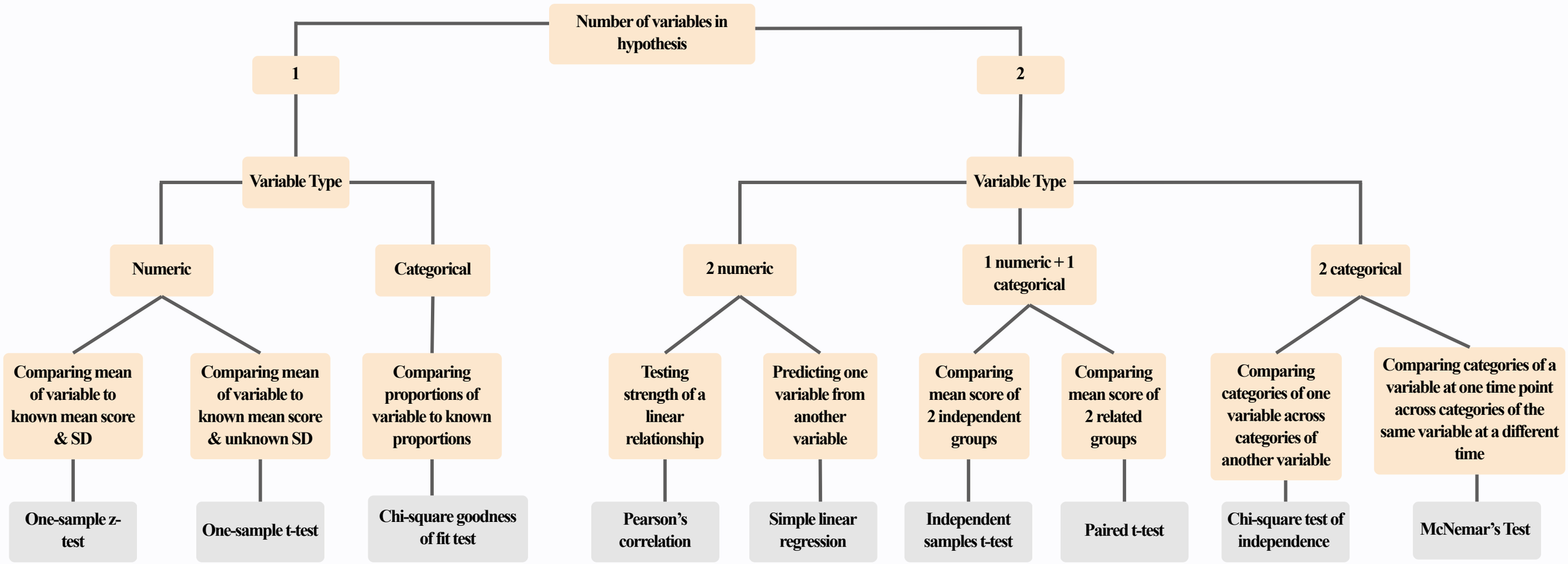
Number of variables in hypothesis
1
2
Variable Type
Variable Type
Numeric
Categorical
2 numeric
1 numeric + 1 categorical
2 categorical
Comparing mean of variable to known mean score & SD
Comparing mean of variable to known mean score & unknown SD
Comparing proportions of variable to known proportions
Testing strength of a linear relationship
Predicting one variable from another variable
Comparing mean score of 2 independent groups
Comparing mean score of 2 related groups
Comparing categories of one variable across categories of another variable
Comparing categories of a variable at one time point across categories of the same variable at a different time
One-sample z-test
One-sample t-test
Chi-square goodness of fit test
Pearson's correlation
Simple linear regression
Independent samples t-test
Paired t-test
Chi-square test of independence
McNemar's Test