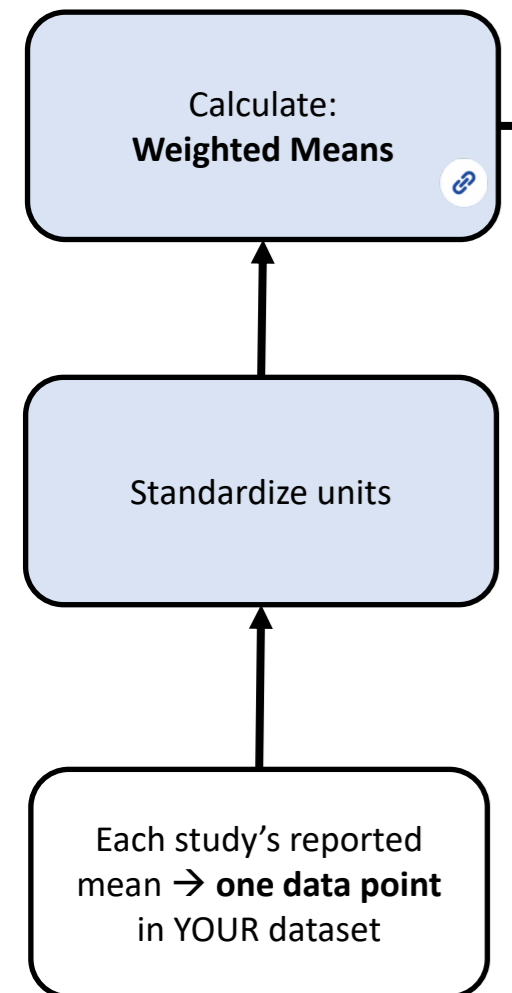


SECONDARY DATA SUMMARY STATISTICS FLOWCHART
To be used if using reported means, SD (i.e. no raw data)



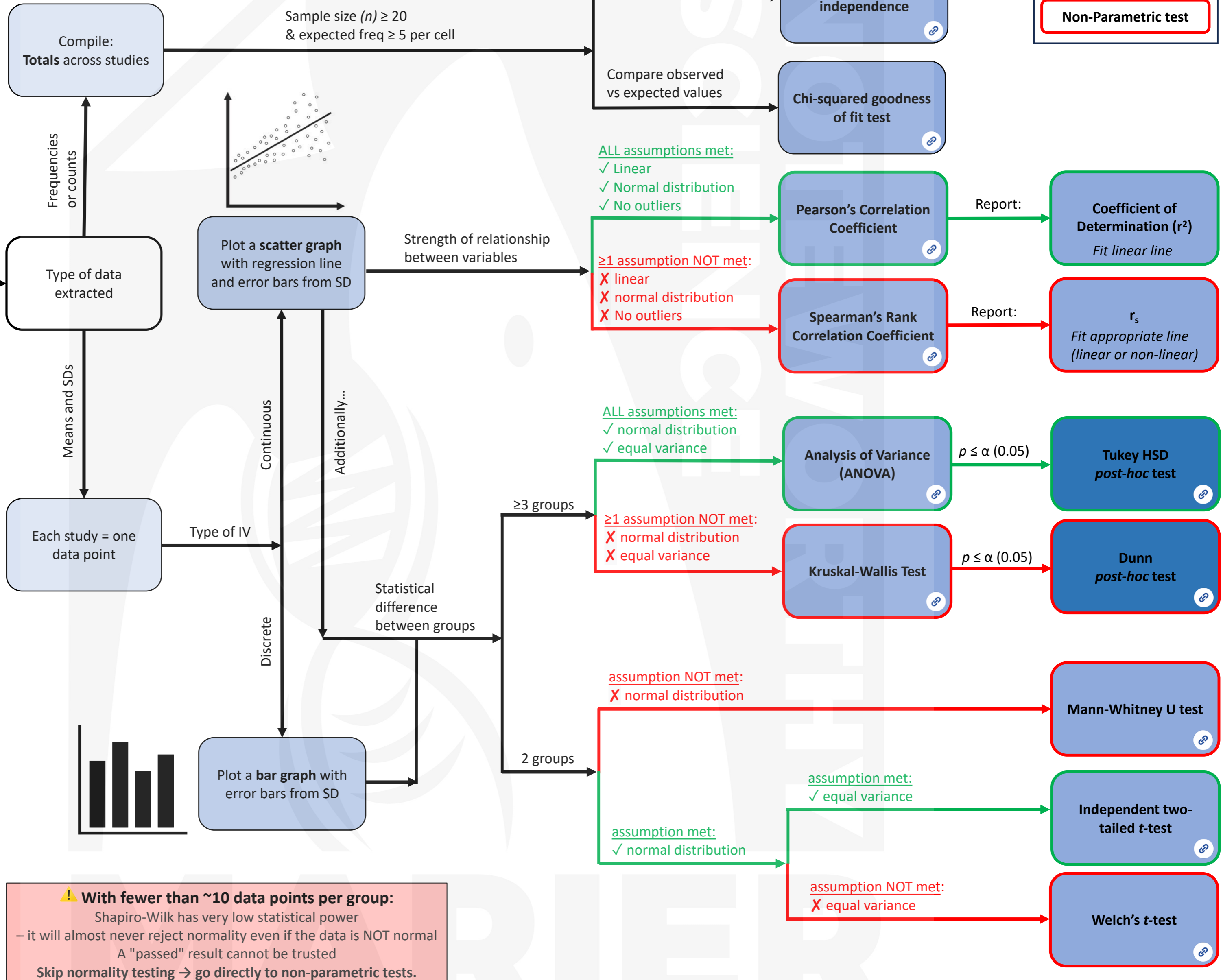
Assumption tests:

Test for normality

Shapiro-Wilk test
 $p > 0.05 \rightarrow$ normal

Test for equal variance

Levene's test
 $p > 0.05 \rightarrow$ equal



Parametric test

Non-Parametric test

⚠ With fewer than ~10 data points per group:
 Shapiro-Wilk has very low statistical power – it will almost never reject normality even if the data is NOT normal
 A "passed" result cannot be trusted
Skip normality testing → go directly to non-parametric tests.