Types of Research Questions

Different types of questions require different approaches or research designs

The type of question dictates the formal characteristics required in the research design utilized.

What test do I run?

Grouping	Statistical test
Comparing one group to a hypothetical, or ideal, value that you might normally expect to see based on your calculations	Chi-square Wilcoxon test One-samples t-test
Comparing two independent groups	Independent t-test Mann-Whitney test Fisher's test
Comparing two paired groups	Paired t-test Wilcoxon test McNemar's test
Comparing three or more independent groups	One-way ANOVA Kruskal-Wallis test Chi-square
Comparing three or more dependent groups	Repeated-measures ANOVA Friedman test