

# **STA 3180 Statistical Modelling: Nonparametric Tests**

## **I. Nonparametric Tests**

### **A. Definition**

1. What is a nonparametric test?
2. How does it differ from a parametric test?

### **B. Types of Nonparametric Tests**

1. Wilcoxon Rank Sum Test
2. Kruskal-Wallis Test
3. Mann-Whitney U Test
4. Friedman Test

### **C. Problem Solving Strategies**

1. Understand the assumptions of the test and how they affect the results.
2. Know when to use each type of test.
3. Be able to interpret the results of the test.
4. Practice solving problems with different types of data.
5. Use visualizations to help understand the data.
6. Utilize online resources for additional help.