

CHAPTER 19: Non-parametric Methods

Learning Objectives

After studying this chapter and doing the exercises, you should be able to:

1. Explain in broad terms the differences between parametric and non-parametric methods of inference.
2. Recognise the circumstances when it is appropriate to apply the following non-parametric statistical procedures; calculate the appropriate sample statistics; use these statistics to carry out a hypothesis test; interpret the results.
 - 2.1 Sign test
 - 2.2 Wilcoxon signed-rank test
 - 2.3 Mann-Whitney-Wilcoxon test
 - 2.4 Kruskal-Wallis test
 - 2.5 Spearman rank correlation