

**APMA 1680: Nonparametric Statistics**

**Division of Applied Mathematics, Brown University, Spring 2010**

Instructor: Konstantinos Spiliopoulos.

Homework 6:

**Due: Tuesday March the 23th.**

1. Problems 5.9,5.16, 5.31, 5.34. Use R to do all of these problems. It is about the same data set. You will need to write code in order to do problems 5.16 and 5.31. I want to see both the code and the output. Also, I want to see, in a separate page a table that will summarize your findings. In that table, you will report the value of each test statistic, the p-value, whether you accept or reject  $H_0$  each time and what this means. In the end, you should state what is your final conclusion and why.

2. Problems 5.11 and 5.42. Do problem 5.42 using R.