Assignment 6

(Difference of Proportions and Difference of Means)

1. Before an increase in excise duty on tea, 800 people out of a sample of 1000 were consumers of tea. After the increase in duty, 800 people were consumers of tea in a sample of 1200 persons. Write down the R programming code to test whether the significant decrease in the consumption of tea after the increase in duty at 1 % level of significance.

2. The average mark scored by 32 boys is 72 with a standard deviation of 8, while that for 36 girls is 70 with a standard deviation of 6. Write down the R programming code to test whether the boys are performing better than girls on the basis of average mark at 5 % level of significance.