**BT307 LAB 3**

**a) Name:** Aditya Jindal, **Roll No.:** 210106004

**b)** I am using data2.csv.

**c)** Equation of fitted model is:

S = -1.34820\*M + 1.74100\*P - 1.21067\*R + 0.37238

The p value of N(0.33342) and Q(0.86266) was greater than 0.05 so it was statistically insignificant so we failed to reject the N and Q null hypothesis.

Therefore the coefficient of N and Q is 0.

**d)** Adjusted R-squared: 0.596

**e)** p-value: 8.349e-09

**f)**

p-value for coefficient of M: 2.20e-09

p-value for coefficient of P: 0.022589

p-value for coefficient of R: 0.000155