**Observation:-**

1. Age group below 1 years (infants) visited the hospital more frequent and also has highest expenditure. Maximum expenditure of 0-1 group is - 678118
2. All patient refined related group (640) has maximum expenditure.- 437978
3. To avoid malpractice we do the ANOVA test:

**From ANNOVA test we see that –**

1. The data has 495 patient of race 1 out of the 500 entries.
2. Since the number of data has very much skewed. It might effect on ANOVA testing
3. Hence we conclude that there is no race wise hospitalization cost observed.

For utilize the proper cost analysis we **use linear regression-**

1. Age is a very important factor in the hospital costs as seen by the significance levels and p-values.
2. The gender also seems to have an impact.
3. Based the negative coefficient we can conclude that females incur lesser cost than males.

**Conclusion:-** From all the above analysis we found that AGE,LOS and APRDRG is impacting on the hospital costs.