# ASSIGNMENT 6.4

## 5. PROBLEM STATEMENT

### 1. Use the given link Data Set

### Answer the below questions:

### a.What are the assumptions of ANOVA, test it out?

Ans:- :- 1. Independence of cases – this is an assumption of the model that simplifies the statistical analysis.

2. Normality – the distributions of the residuals are normal.

1. Equality (or "homogeneity") of variances, called homoscedasticity

### b.Why ANOVA test? Is there any other way to answer the above question?

Ans:- No, there is no other way to answer the above questions.