#### Lab Task 1:

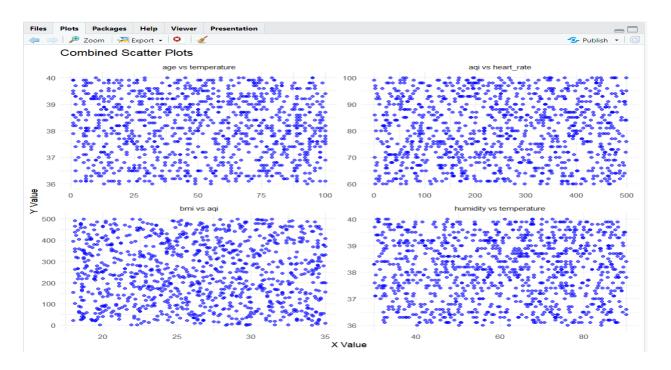
- Generate Histogram, Bar Chart for single variables where they are appropriate & also generate Scatter and Violin Plots considering all the variables in my dataset.
- 1. This picture shows Histogram graph



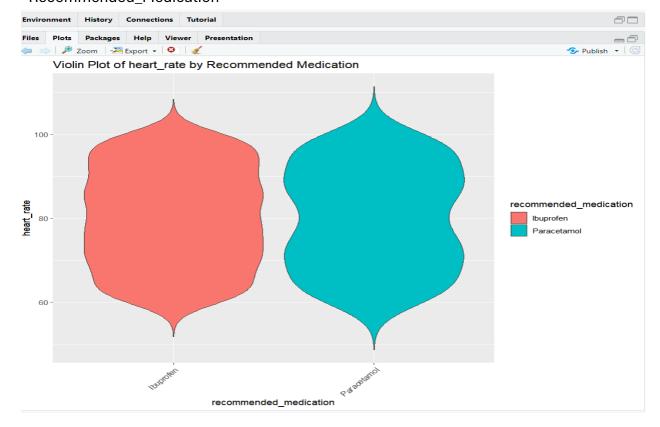
2. This picture shows a Combine Bar Chart



# 3. This picture shows the Combine Scatter Plots graph



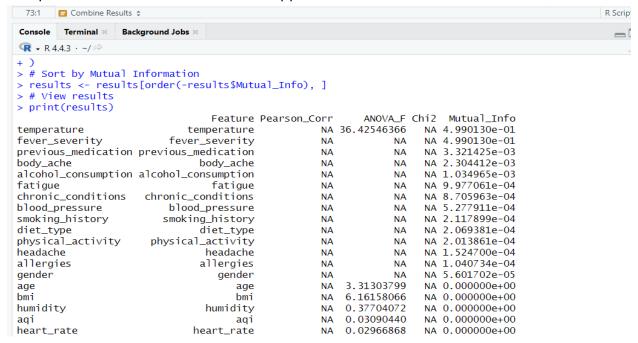
4. This picture shows Violin plot graph against target column "Recommended\_Medication"



#### Lab Task 2:

Feature selection methods Pearson correlation coefficient, ANOVA, Chi-squared test, and Mutual Information to all the columns where they are applicable:

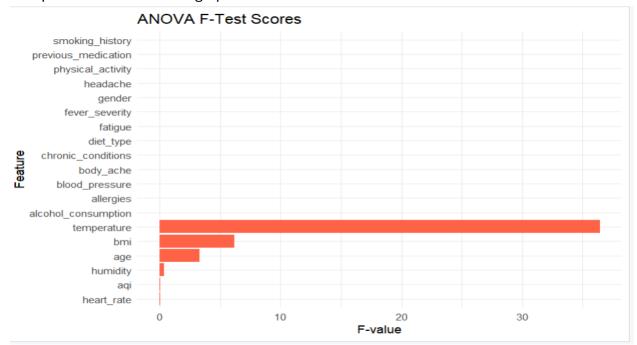
1. This picture shows which columns are applicable for which feature selection.



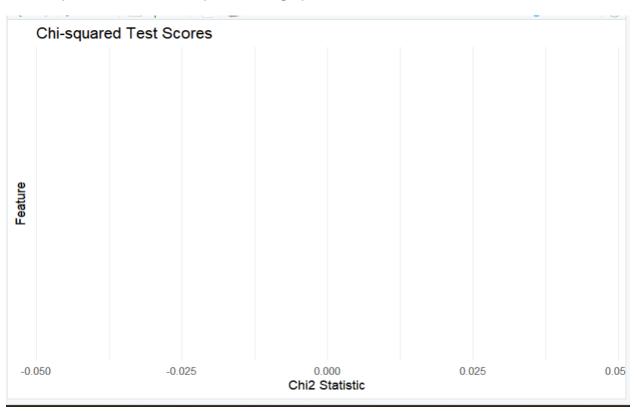
2. This picture shows Pearson correlation coefficient graph



## 3. This picture shows ANOVA graph



## 4. This picture shows Chi-squared test graph



## 5. This picture shows Mutual Information graph

