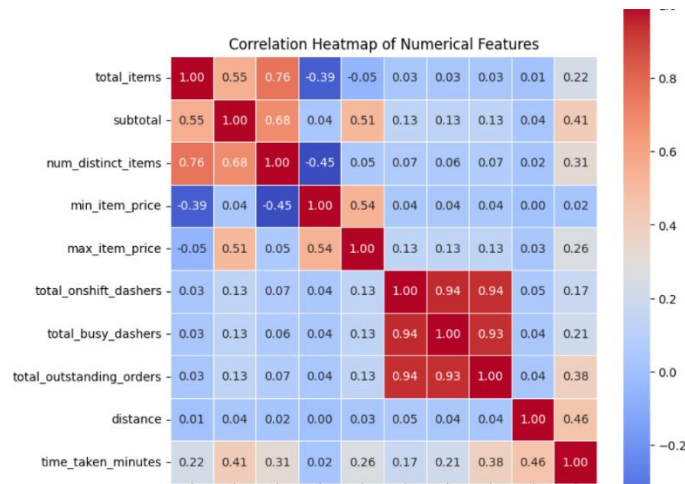


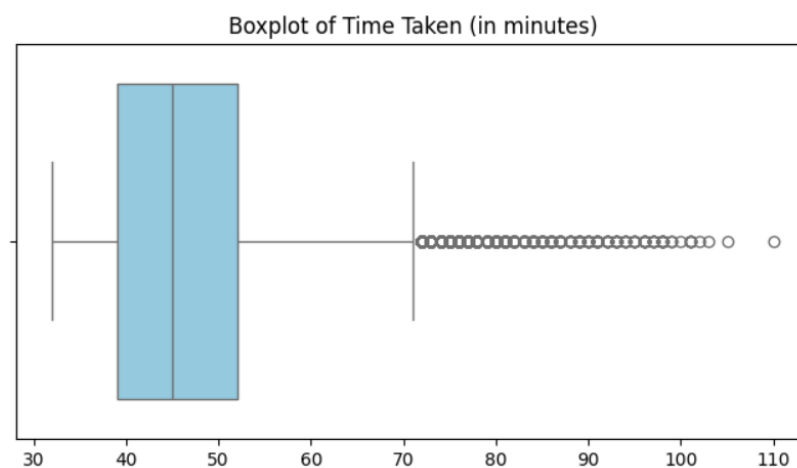
Report on LR_Delivery_time_Estimation

1 . Heat map



In this correlation heatmap of data frame we found that num_distinct_items was highly correlated otherwise other features were weakly correlated.

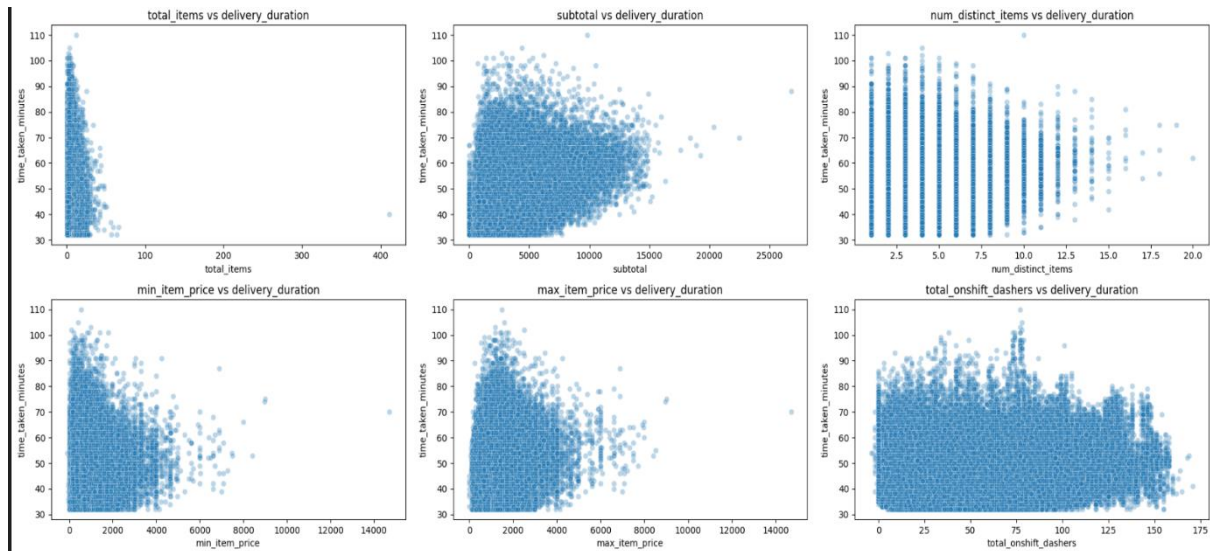
2. Box plot for time taken



There are outliers in the data set which were handled with the help of inter quartile range method. Boxplot was used to check for the outliers

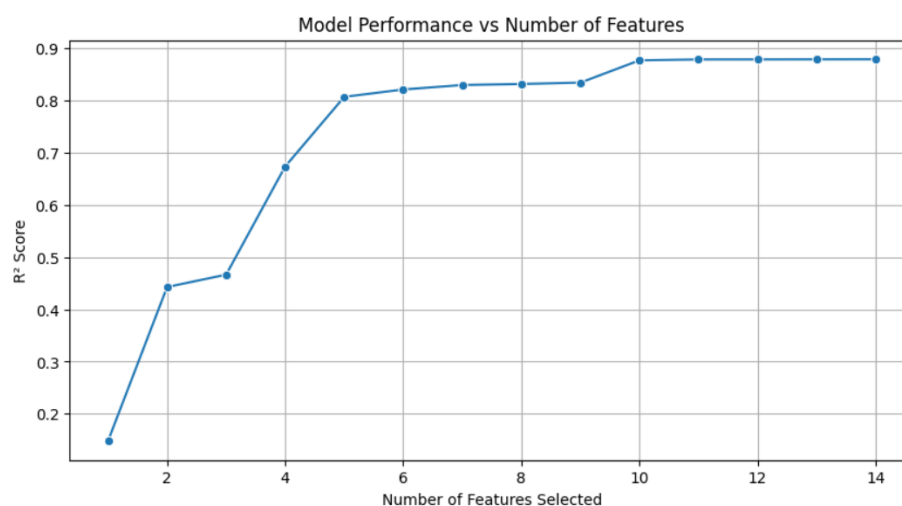
Report on LR_Delivery_time_Estimation

3. Scatter plot of variables with each other's



Through this scatter plot we learnt type of relationship of variables with each other

4 . Recursive Feature Elimination



Report on LR_Delivery_time _Estimation

Recursive Feature Elimination was applied iteratively from 1 to all features. For each step, R2 score on the test data was calculated. A line plot was created showing R2 Score vs. Number of Selected Features.

5 . Metrics Evaluation

Calculated R2 score , MAE, MSE, and RMSE. The R2 Score was calculated to be 0.88 and all other metrics were found to have optimal values