

AV job a thon april 2022-Approach

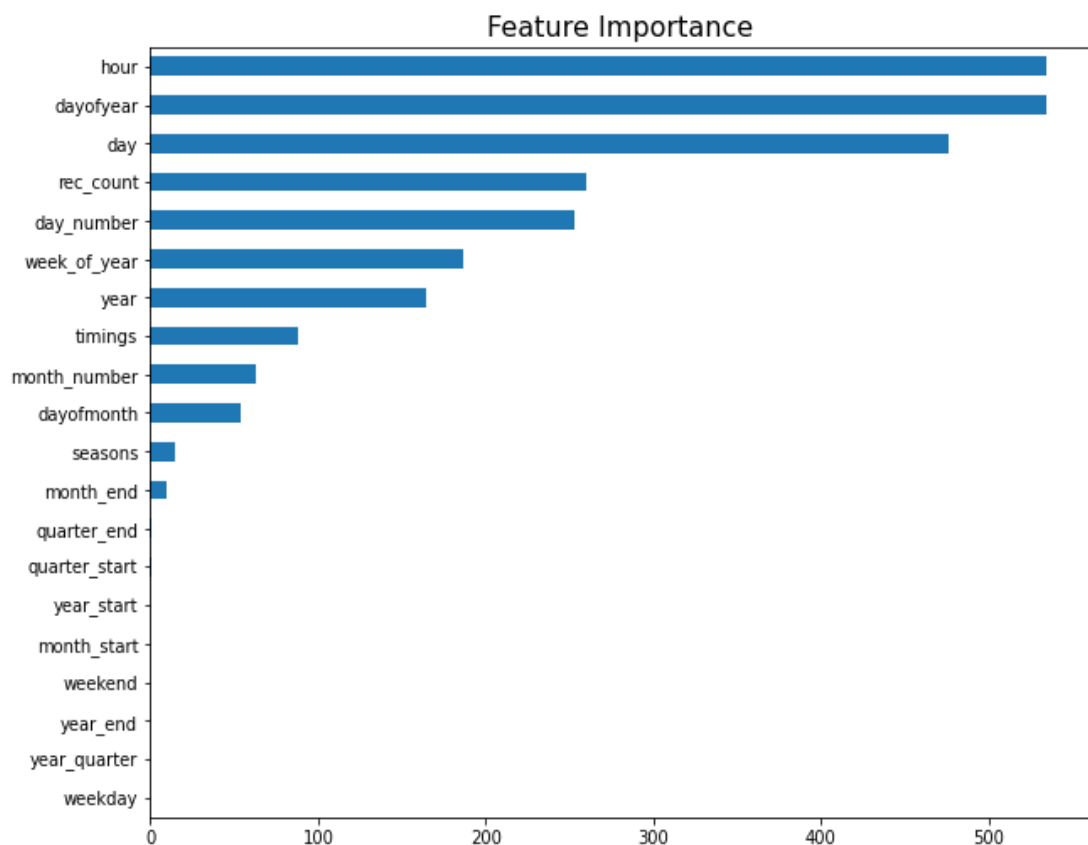
1.Exploratory Data Analysis

2.Data Pre-Processing

- Date feature engineering:
 - Convert to date-time format
 - Extract day from the date
 - Extract the day name from the date
 - Extract the day number from the date
 - Extract month number from the date
 - Extract the month name from the date
 - Extract the quarter of the year
 - Extract week of the year from date
 - Extract year
 - Extract the day of the month
 - Extract day of the year
 - Create weekday column
 - Create weekend column
 - Create month start
 - Create month end
 - Create quarter start
 - Create quarter end
 - Create year start
 - Create year end
 - Convert month to seasons
 - Create hour

3.Model

- Train the lightgbm regressor(default parameters) model.
- Model evaluated with rmse and the score is 984.348 (test score is 33.233484514358)
- Feature Importance



- Prediction

