Capstone Project Submission

Instructions:

i) Please fill in all the required information.

ii) Avoid grammatical errors

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1.1. Descriptive Analysis

1.1.1. Data frame description

1.1.2. Data frame shape 1.2.

Data cleaning, transformation and

Analysis:

1.2.1. Extracting the information from the categorical variable,Numerical variables

1.2.2. Extracting feature from date

1.3. Data Wrangling

1.3.1 year month and rented bike count look the relashionship using group by

1.3.2 rented bike count in 2017 and 2018 using group by

1.4 Data Visualization

1.4.1 checking distribution of our dependent variable

1.4.2 relationship b/w numerical variable and dependent variables

1.4.3 rented bike count different seasons

1.4.4 correlstion b/w different feature using heatmap

1.4.5 bike count in 2017 and 2018

1.5 Feature Engineering and Dummy variable

1.5.1 First, we assign the value to the respective categories of the columns.

1.5.2 After the data reading, we again convert the categorical value to numerical value by allocation and by one hot coding.

1.6 Machine learning Model Analysis

1.6.1 Fitting data linear regression,randomforest, xgboost,ridge,lasso regression

GithubRepository link: https://github.com/Pradyumna9452/capstone-project-2