

Capstone-1 Project Proposal

1. Prediction of bike rental demand during each hour.
2. Bicycle rental industry will be able to predict the demand which will help manage the availability of bikes to meet the demand.
3. This project will use bike rental data, available on kaggle.
4. Below will be the high level approach
 - Factorize the data for machine learning.
 - Visualize the data for initial findings.
 - Heat maps
 - Use pivots and pivot tables to make it easy to understand the data.
 - Use pandas datetime operations
 - Perform regression using scikit learn
 - Classifiers using NLTK libraries
5. Presentation with findings and visualizations for dataset, code for predicting models.