**Capstone Project Submission**

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| **Team Member’s Name, Email and Contribution:** |
| **1. Kedar Vasantrao Patil**  Email:- [kedarpatil010@gmail.com](mailto:kedarpatil010@gmail.com)  Mob:- 9665576720  **Contribution:-**  1. Data Wrangling.  2. Exploring and Visualizing the data.  3. Multicollinearity  5. Model Building   * Linear Regression (Elastic net regularization) * Decision tree(cost complexity pruning path) * Random forest * XGBoost   6. Conclusion  7. Presentation  **2. Rohit Rajendra Pawar**  Email:- [rohitpawar2610@gmail.com](mailto:rohitpawar2610@gmail.com)  Mob:- 8390796333  **Contribution:-**  1. Data Wrangling.  2. Exploring and Visualizing the data.  3. Feature Engineering  4. Model Building   * Linear Regression (Elastic net regularization) * Decision tree(cost complexity pruning path) * Random forest * XGBoost   5. Conclusion  6. Documentation |
| **GitHub Link: -**  <https://github.com/Kedarpatil24/Bike-Sharing-Demand-Prediction/blob/main/Bike_Sharing_Demand_Prediction_Capstone_Project.ipynb> |
| **Google Drive Link: -**  **https://drive.google.com/drive/folders/1qPW1zyWSaAc4rkLF05o3O6QTl23KSiyc?usp=sharing**  **Summary** Currently, Rental bikes are introduced in many urban cities for the enhancement of mobility comfort. It is important to make the rental bike available and accessible to the public at the right time as it lessens the waiting time. Eventually, providing the city with a stable supply of rental bikes becomes a major concern. A bicycle-sharing system or public bike share (PBS) scheme is a shared transport service in which bicycles are made available for shared use to individuals on a short-term basis for a price or free.  These bike-sharing programs have numerous bike check-out stations, and operate much like public transit systems, catering to tourists and visitors as well as local residents.  This is a good motive as bicycles do not emit any carbon which is safe for our environment too.  So, we need a prediction with a good score to keep up with the stable supply of bicycles in Seoul. |