

Murder Victims in India

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- The crime rate in India is rapidly increasing day-by-day. Which motivated me to analyze the murder rates with respect to age and place.
- Predicting more number of victims by gender based and which place consists of more number of victims

Bar Graph 1 shows the number

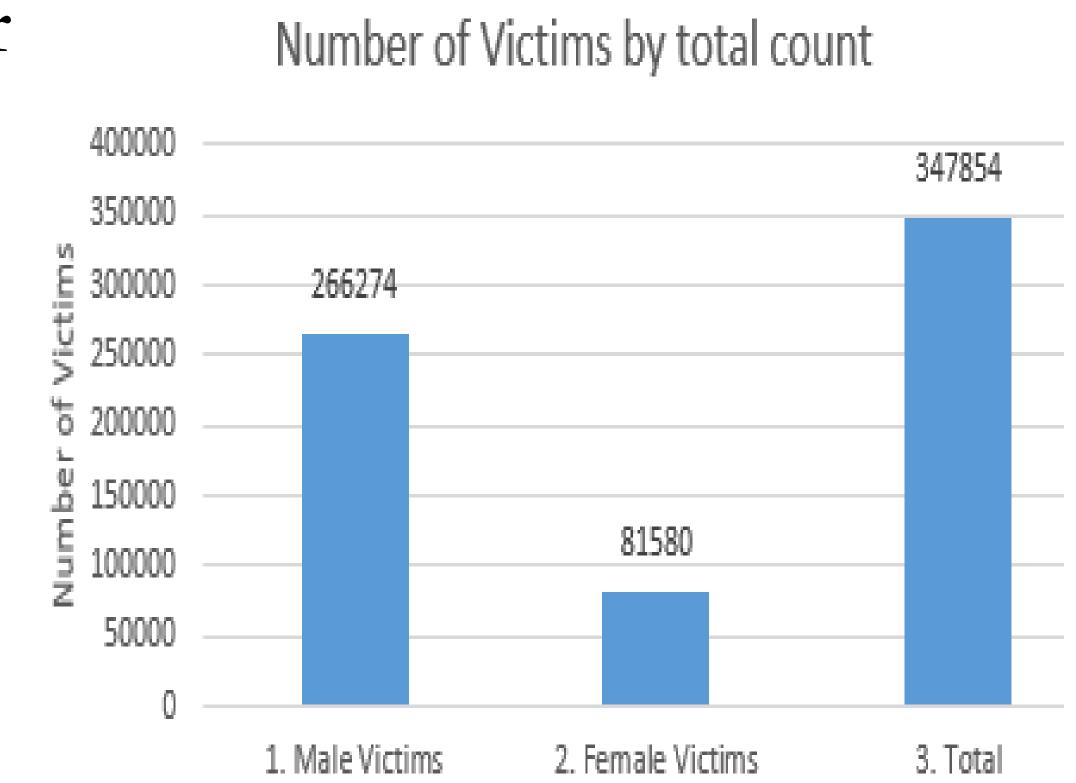
Number of victims to gender.

While Bar graph 2 shows the

Number of total victims to the

Area.

Bar Graph 2

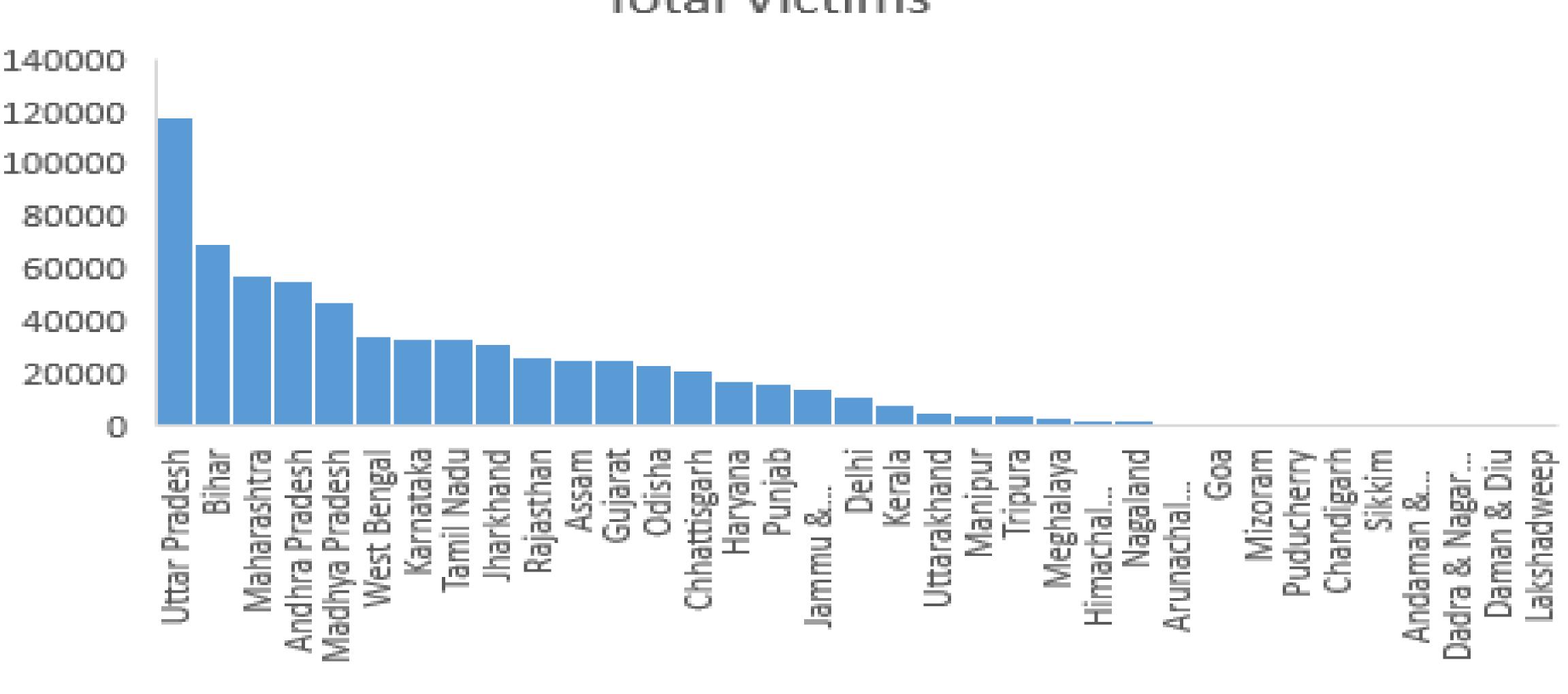


Bar Graph 1



- Prediction: LinearRegression() and for evaluating this, RMS Error.
- Classification: DecisionTreeClassifier() and RandomForestClassifier().
- Clustering: Kmeans(n_clusters=2) and PCA for dimensional analysis.





- Evaluate the minimum number victims.
- The Bar Graph 1 representation show that as there are more number of male victims than female victims
- Using Random Forest Classifier accuracy of 98% is obtained.
 - Accuracy of 92% is achieved with decision tree classifier which indicates good model.

IDE and Tool used - Jupyter Notebook

Data Source – Kaggle - https://www.kaggle.com/rajanand/crime-in-india?select=32_Murder_victim_age_sex.csv

Python Model References - https://scikit-learn.org/stable/

I thank Dr. Hoot for giving me proper guidance through out this project.

https://github.com/44-599-MachineLearning-S21/projectmachine-learning-s21-Yashwanth-Damera