

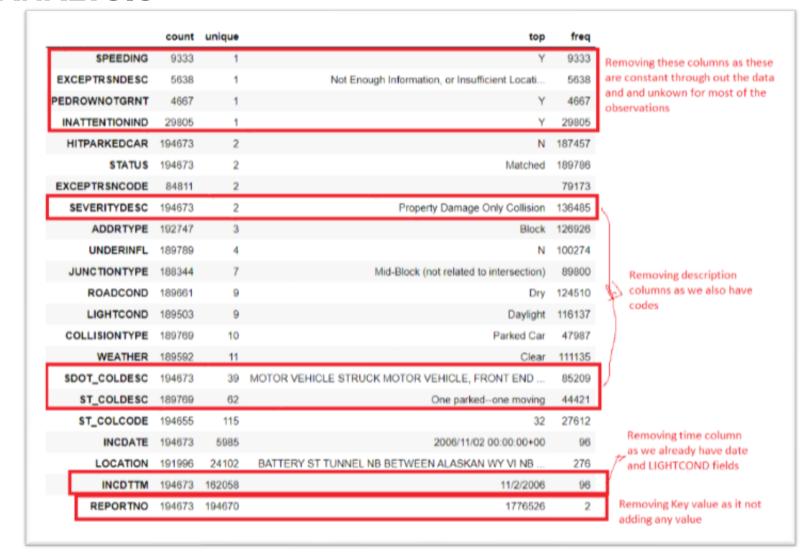
# CAR ACCIDENT SEVERITY PREDICTION

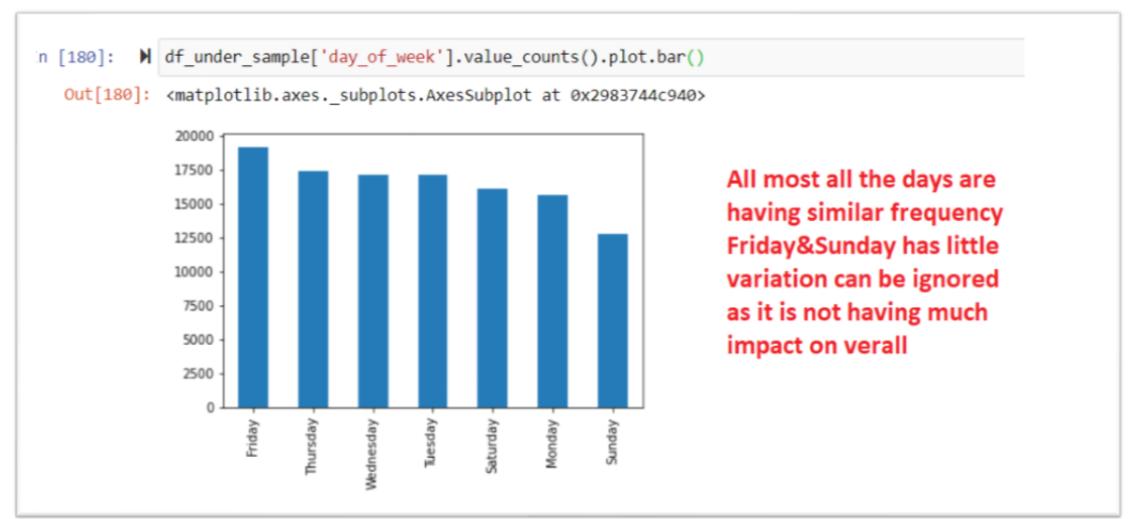
-GANAPATHI BALAJI

# **CONTENT**

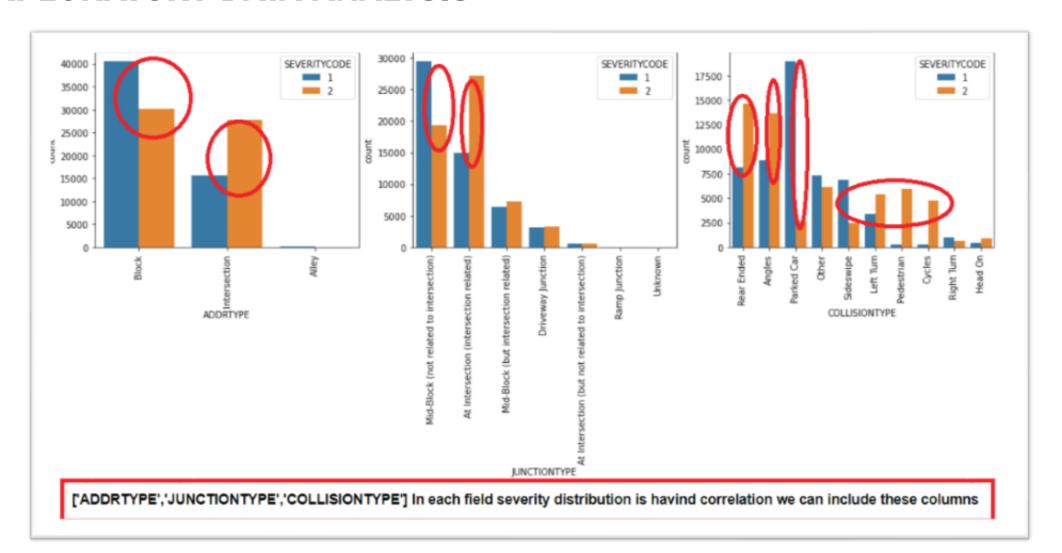
- Problem Definition
- Exploratory Data Analysis
- Feature Engineering
- Model Process
- Model Report
- Summary Conclusion

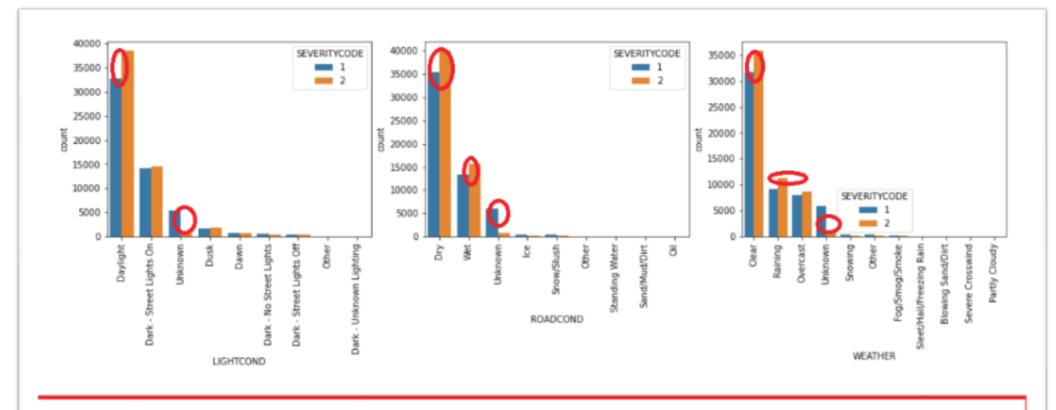
PEDCYLCOUNT	3
PEDCOUNT	7
VEHCOUNT	13
OT_COLCODE	39
ERSONCOUNT	47
SEGLANEKEY	1955
OSSWALKKEY	2198
INTKEY	7614
x	23563
Y	23839
SDOTCOLNUM	114932
OBJECTID	194673
INCKEY	194673
COLDETKEY	194673



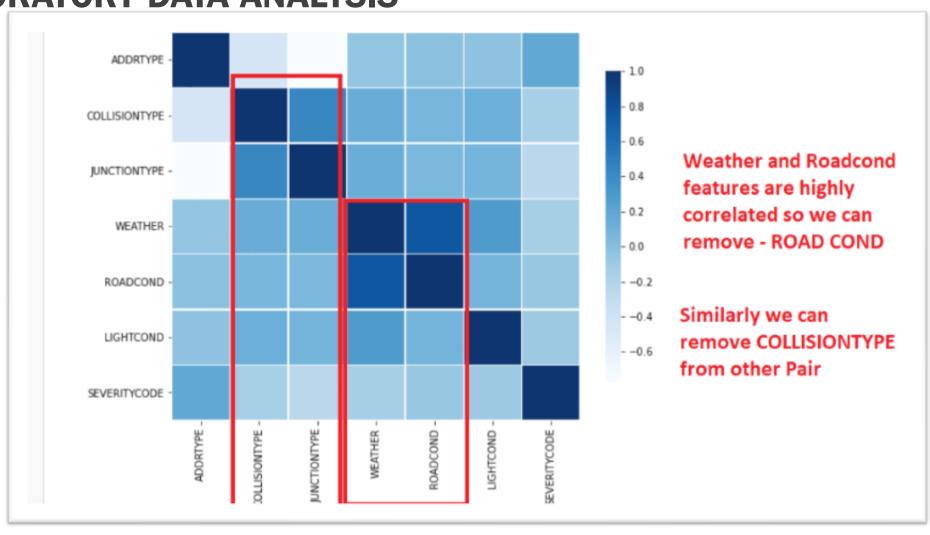


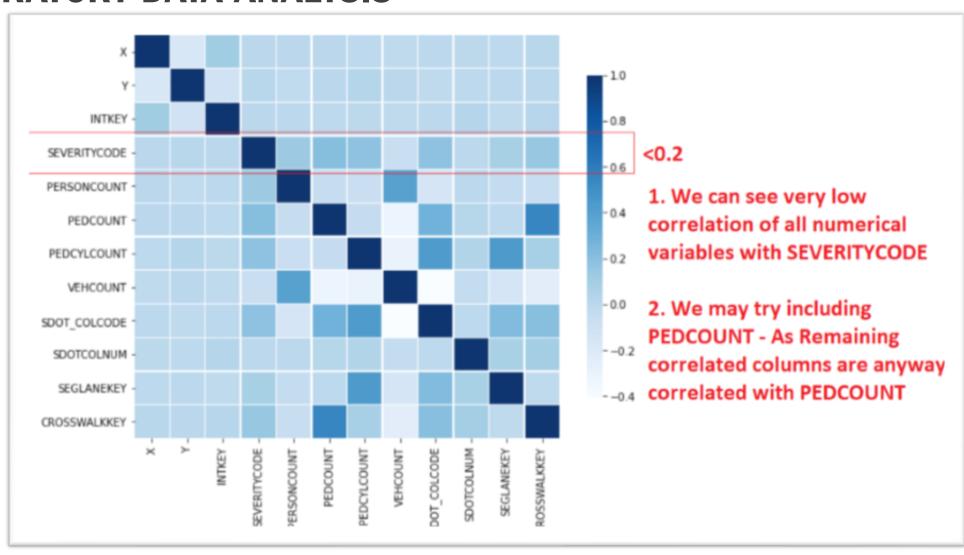






['LIGHTCOND','ROADCOND','WEATHER'] Severity distribution is having some correlation with fields so we can include these columns and test the performance





#### **FEATURE ENGINEERING**

- After all the EDA I can say the final list of features are as below
  - From Numerical features (#PEDCOUNT)
  - From Categorical features (ADDRTYPE, COLLISIONTYPE, JUNCTIONTYPE, WEATHER, ROADCOND, LIGHTCOND)

Thank You