

TERRY STOPS

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OVERVIEW

Terry stops is a practice where law enforcement officers detain subjects based on suspicion.

The goal of this project is to create a model that is capable of using certain features to determine whether detaining a person will result in an arrest

THE DATA

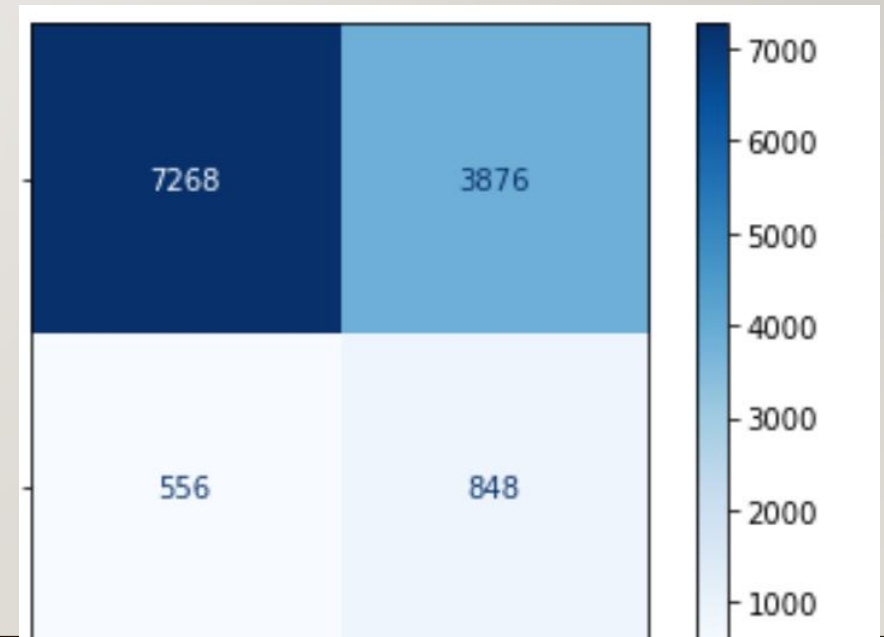
- This data is comprised of records from police officers of Terry stops they had conducted. It includes information regarding the officers, which they provided and inferred information about the subjects.
- Having models that can accurately use this data to determine whether a person is likely to be arrested after detainment, helps officers prepare themselves, reduces bias and guessing on the part of the officers, legislative bodies can use this to adjust policies and overall such a model increases transparency.

DECISION TREE CLASSIFIER

A decision tree classifier model was created using this data.

It was on some of the data to see whether it can predict whether an arrest will truly be made.

A confusion matrix created to test the model shows that it is a poor model.



RECOMMENDATIONS

- I acknowledge that it is difficult to deduce more than what it is already in the data set, as this model would ideally be used before contact is made with the subject, more features would result in a more accurate model.
- I also recommend a different model, a decision tree is perhaps not the best to fit this data, even after some fine tuning is fair at best.

THANK YOU



