Terry Stops Dataset

Does the Data Show a Problem

Using Predictive Modeling and Data Analysis We Will Show:

Does the Terry Stop Program Have Areas That Need To Be Addressed?

- Are Stop and Frisks Effective
- Does Race Play a Role in Stops
- What type of Modeling Can We Use To Make Predictions

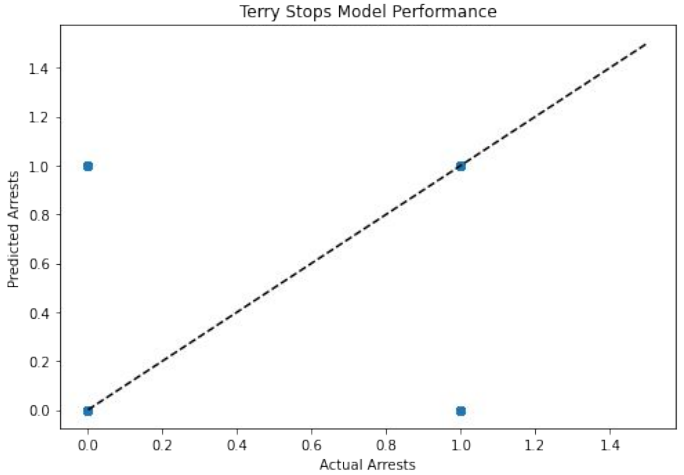
Modeling Algorithm

* KNeighborsClassifier()

RandomForestClassifier()

* AdaBoostClassifier()

* GradientBoostingClassifier()



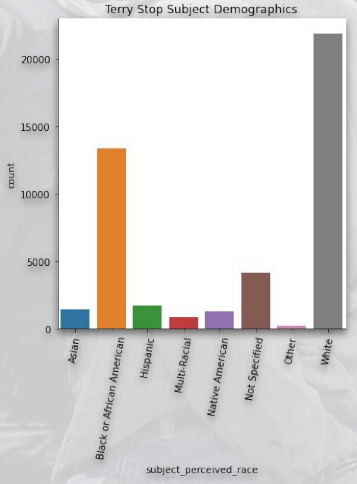
And the Winner Is:

RandomForestClassifier()

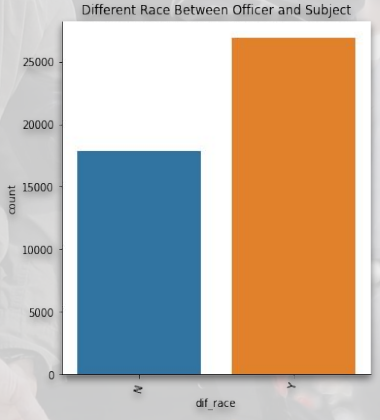
Model Score of 0.95

Race Plays a Role

- **Race Discrepancy**
  - **Black/African Americans Stopped More**



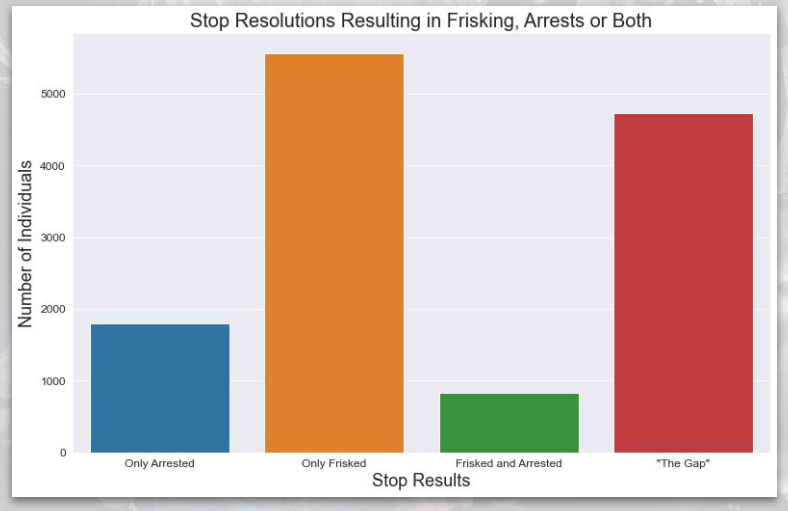
- **Race of Officer and Subject**
  - **When the Race Was Same = Less Stops**
  - **When the Race Was Different = More Stops**



Frisks v. Arrests

- **Frisks**
  - **How Many Frisked**
- **Frisk w/ Arrests**
  - **Those Frisked and Arrested**
- **Gap**
  - **The difference between frisks leading to arrest and not leading to arrest**

Conclusion: disproportionate amount of frisks



Conclusion

- Modeling will help us predict who will be frisked
- Race plays is a factor in this prediction
- There seems to be too many people being frisked
  - It is recommended that this policy be looked at with respect to race and efficacy. It would be good to also see if these stops have decreased criminal activity.

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