



METHODS

Collected Data

UCI Machine Learning Repository

Random Forest

Used Random Forest to help refine model



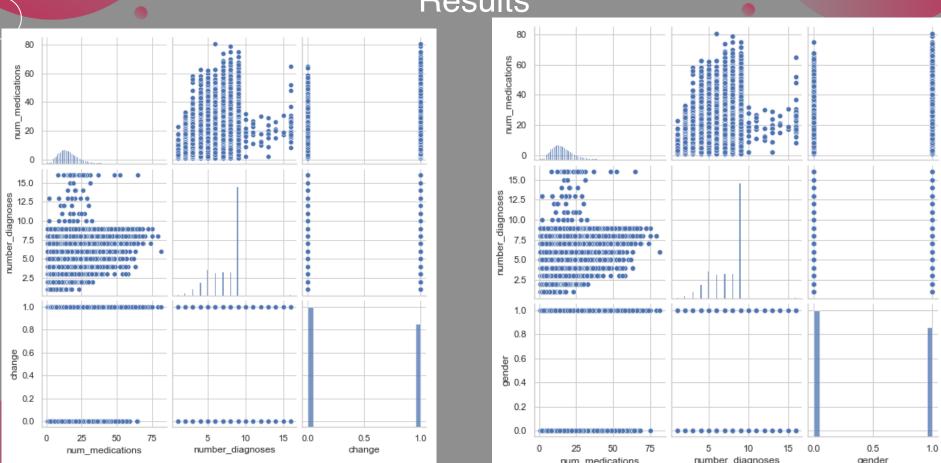
Logistic Regression

Used Logistic Regression as a Classifier.

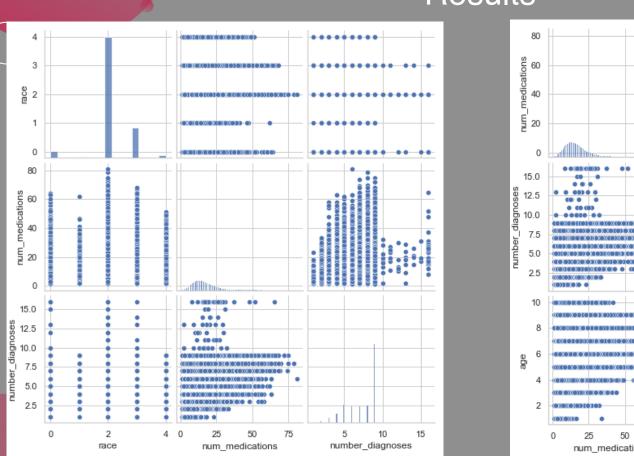
F1 Score

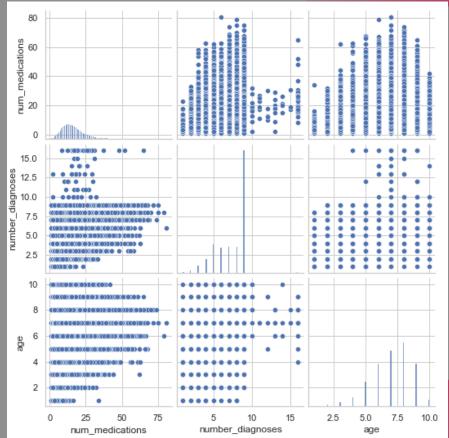
Used F1 to see the accuracy of the model

Results



Results





CONCLUSIONS

Best Features

With a score of .54 through random forest, gender was the best feature following age.

Random Forest and Logistic Regression

Random Forest and Logistic Regression resulted with scores with useable accuracies.

Recommendations

- Doctors deciding to increasing, decreasing, or changing their patients medications should also check the features of age, gender, and race.
- The best features according to the model that will help with the decision will be gender.

Future Work

- Gather other data sets to refine model.
- Trying other classification models and metrics.
- Refining the current models .