



The Problem

Fake Currency Detection is a real problem for both individuals and businesses.

Counterfeiters are constantly finding new methods and techniques to produce counterfeit banknotes, which are essentially indistinguishable from real money. At least for the human eye.



Is That Real?

Identification and Assessment of the Counterfeiting Threat to Banknotes.





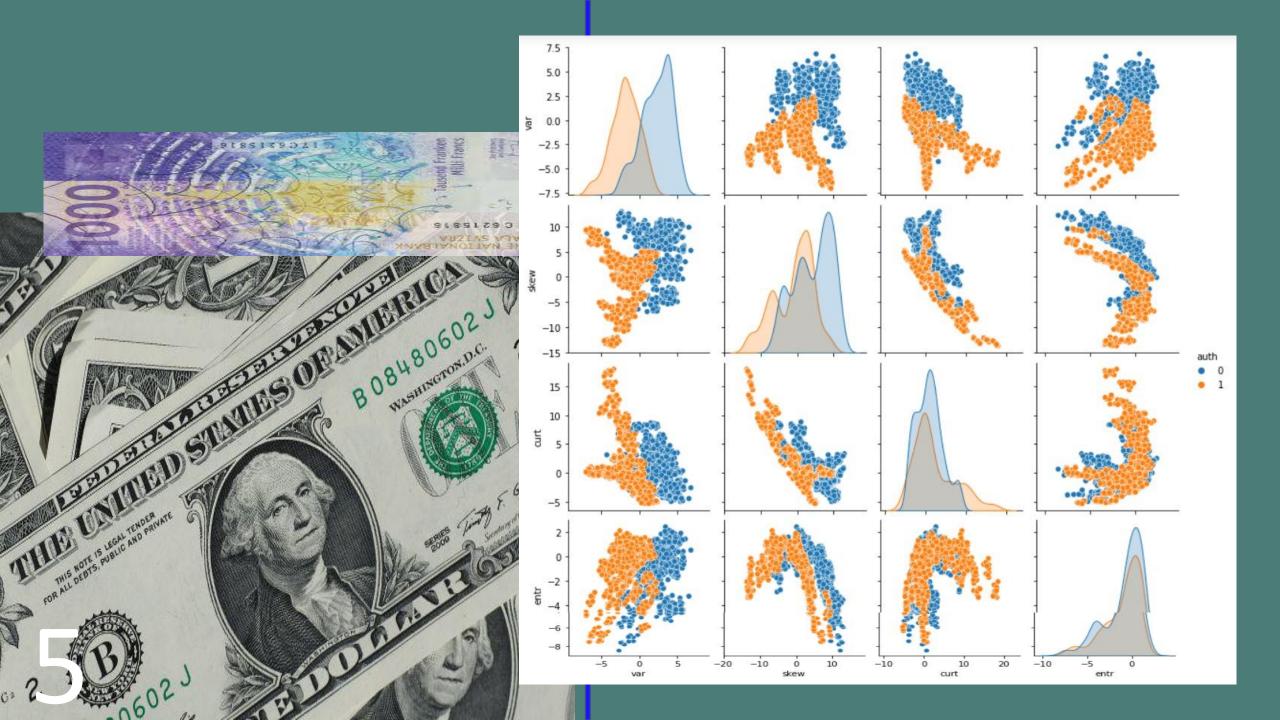


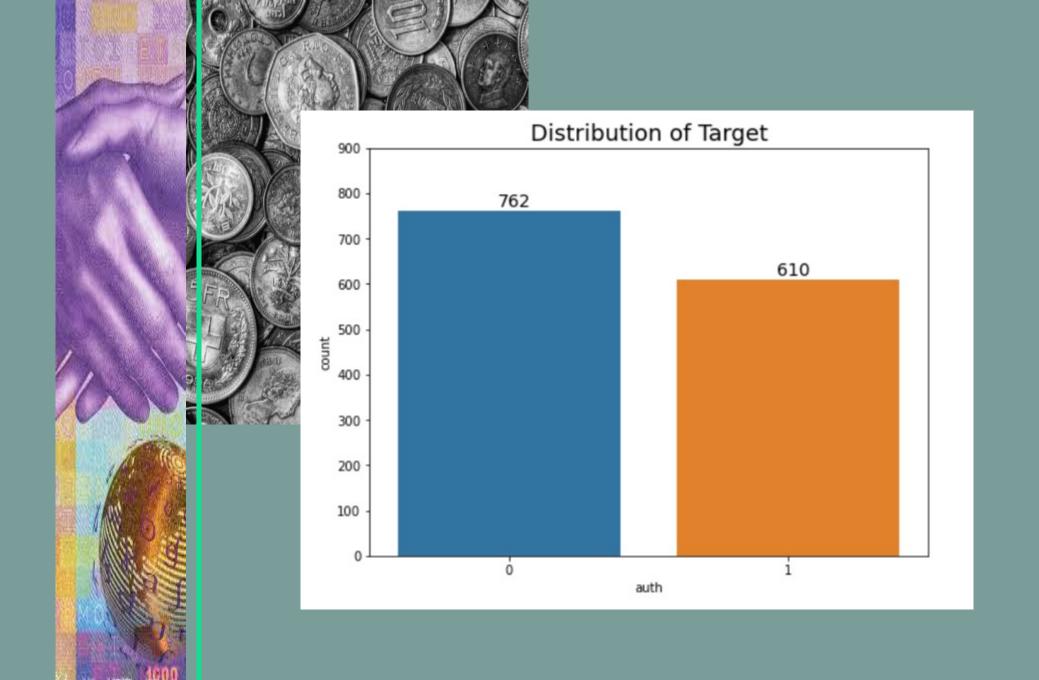
Classification project performance

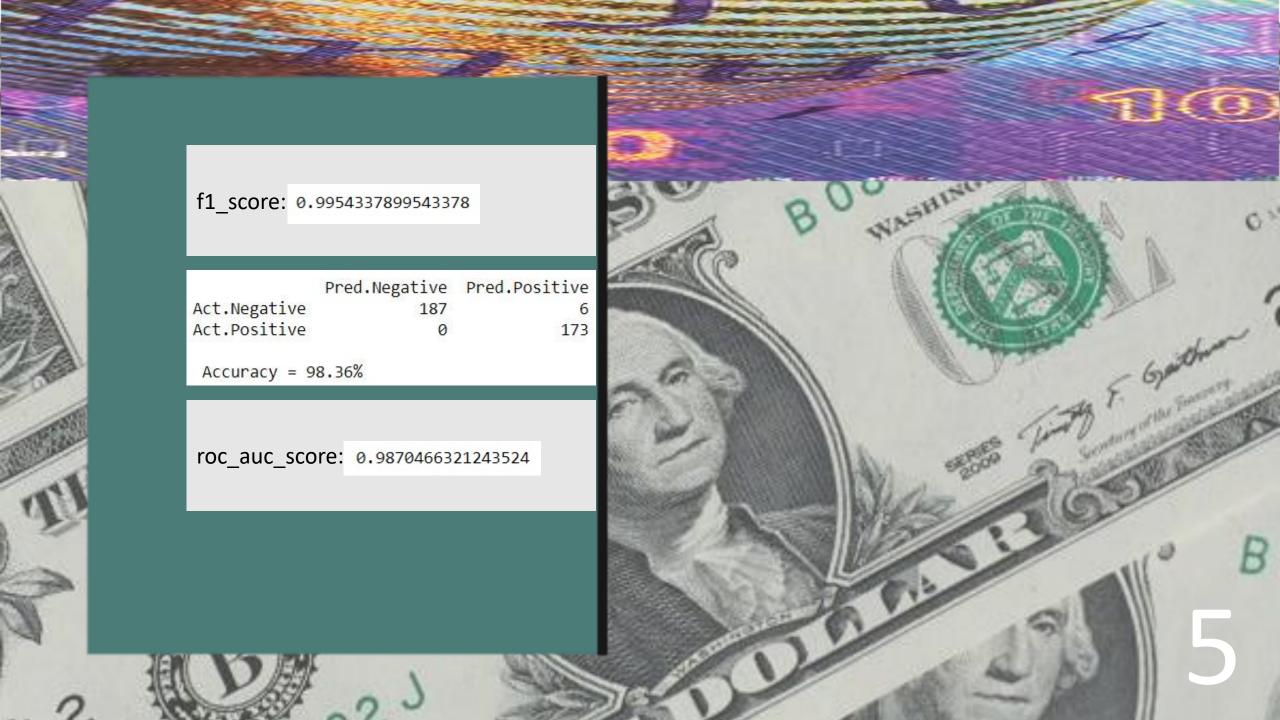
Data Exploration
Data Processing
train_test_split
StandardScaler
Logistic Regressing
Algorithm





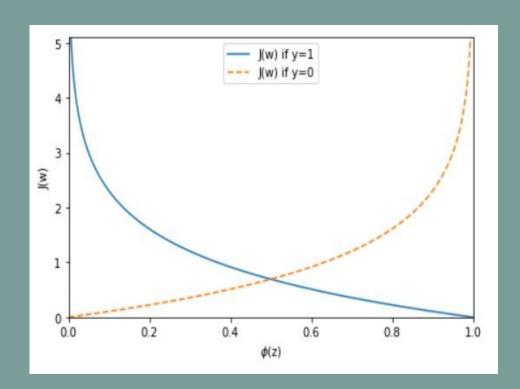


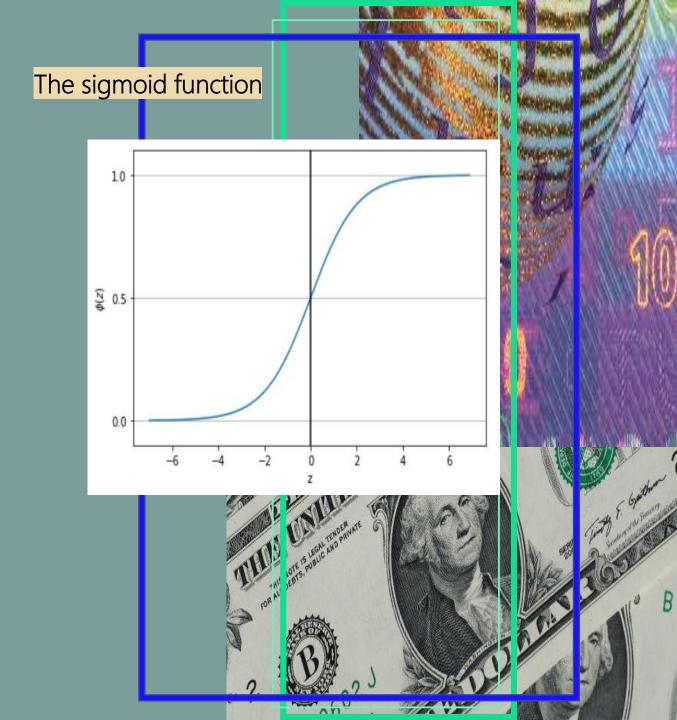


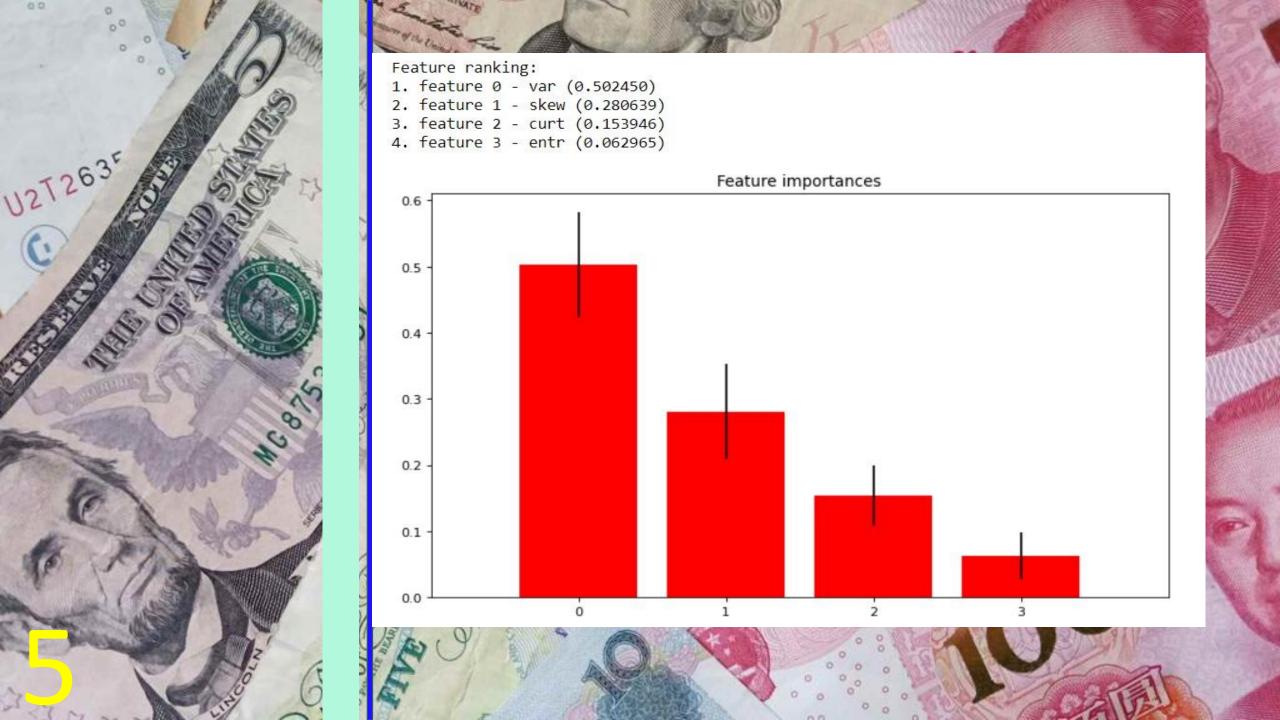




The weights of the logistic cost function









Conclusion

Our model predicts that this banknote is real.

Prediction: Class0

Probability [0/1]: [0.61112576 0.38887424]

Thank You