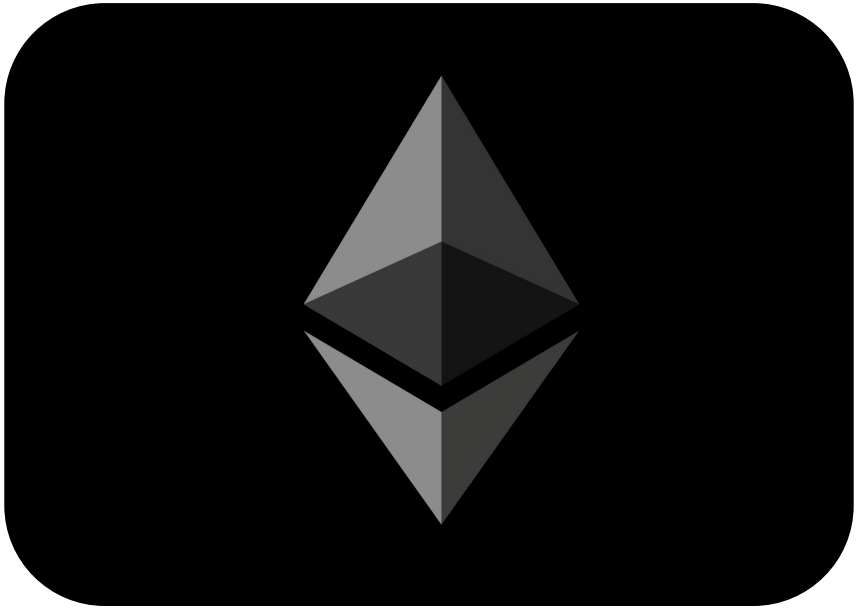
Ether On Chain Analysis

Modeling Price Prediction

Wallets Incorporated

Blockchain

- BlockChain
  - Encryption
- Ethereum
  - Layer 1
  - Open Data
- Tokens
  - Layer 2
  - Open Data



Mission

Can on chain wallet analysis help predict price movement of a token within a 24 hour period.

Wallet Identification

Create a list of wallets to trace

Data Preparation

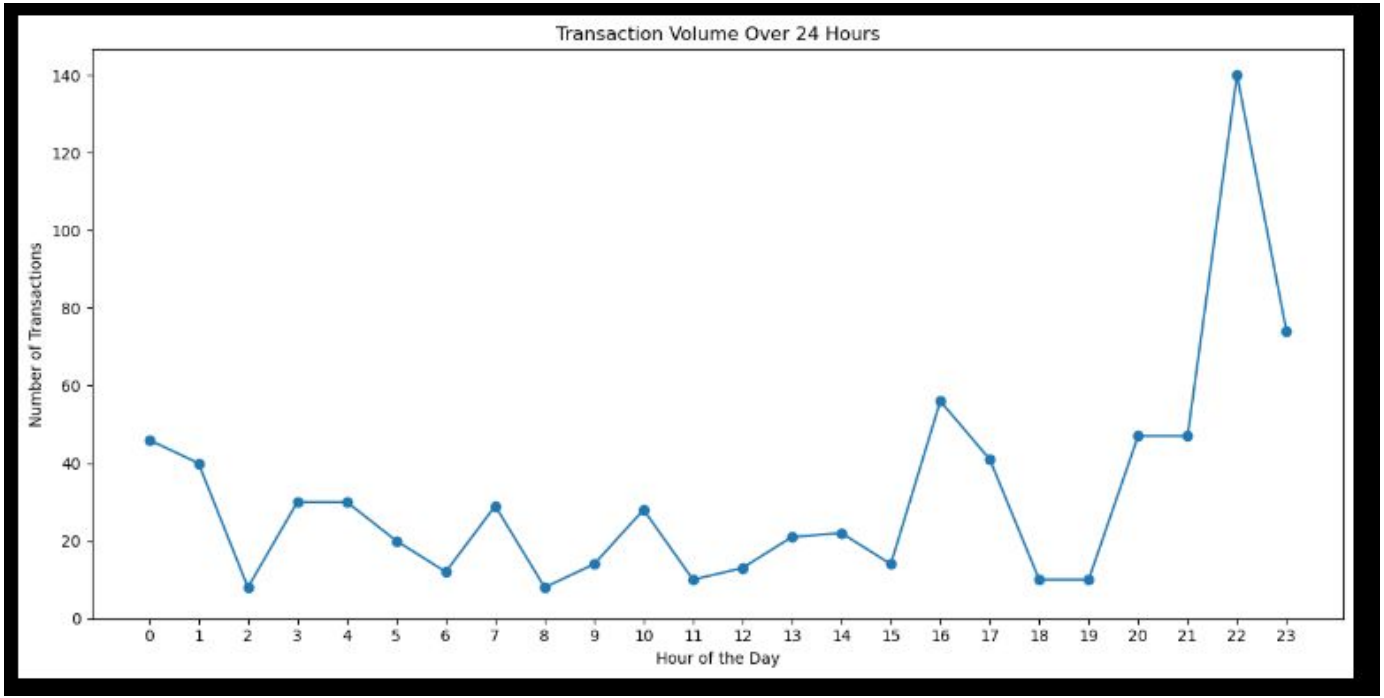
Api Pulled from Etherscan and Dextools

Modeling

Utilizing Gradient Boosting, Random Forest, Neural Network, SVM, and Logistical Regression

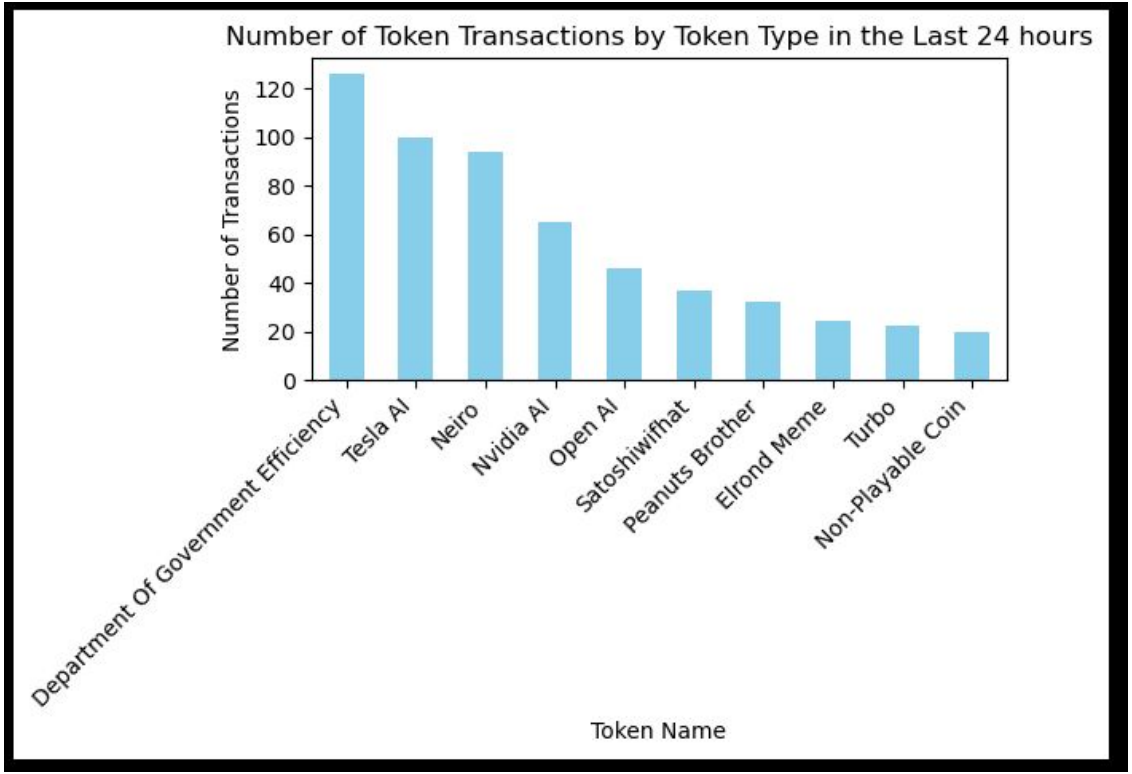
Results

Determines the tokens with the highest probability of a 24 hours price increase.



Exploratory Data Analysis

Wallet transaction frequency to help identify most active tokens based from the identified wallet

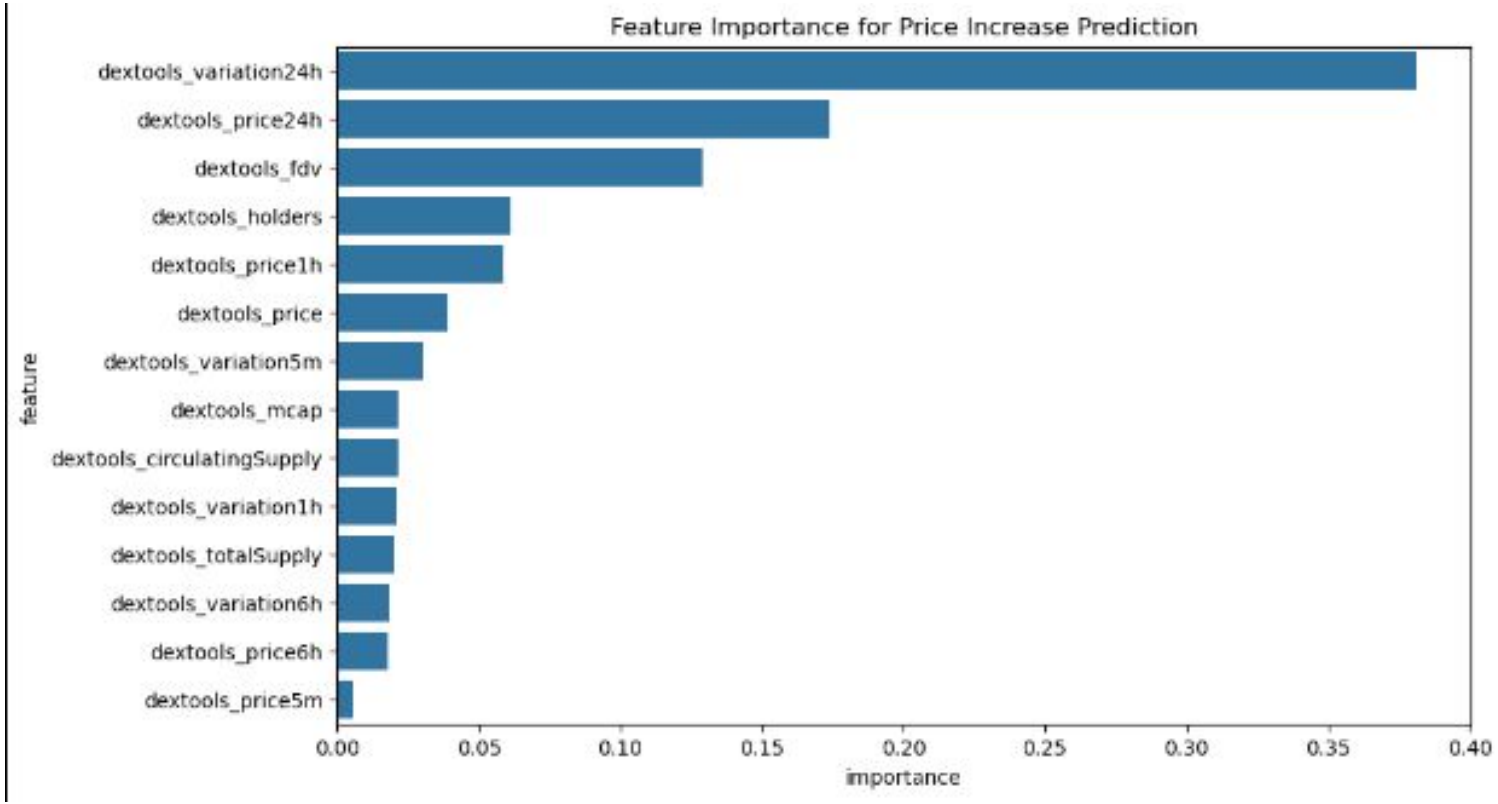


Exploratory Data Analysis

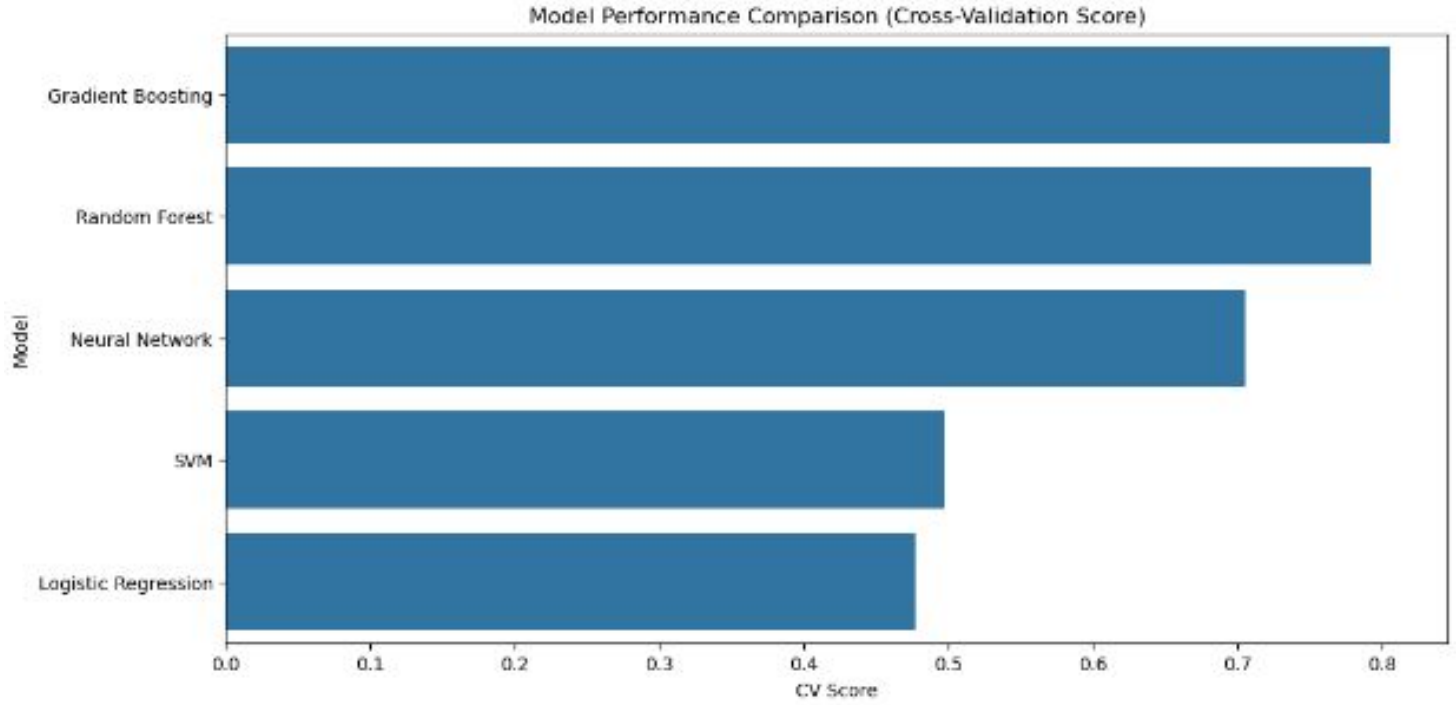
Wallet transaction frequency to help identify most active tokens based from the identified wallet

02

Modeling



Feature Importance



Model Comparison

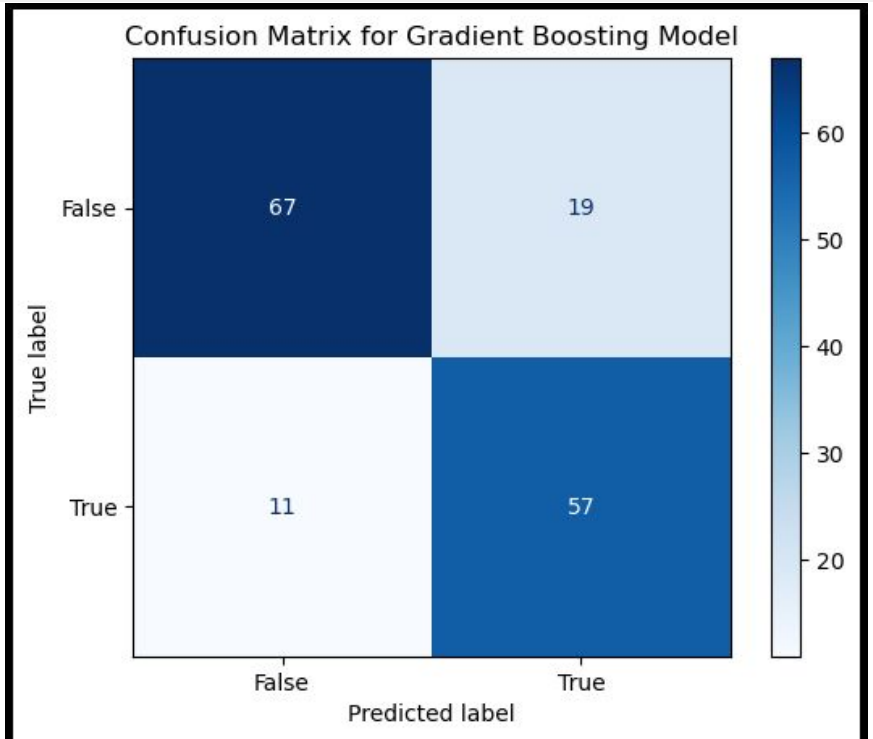
Gradient Boosting proved to have the highest precision, recall, and f1-support

Results

Top 5 Unique Tokens Most Likely to Increase in Price:

tokenSymbol	dextools_price	price_increase_probability
DOGGO	0.0000	0.9900
FLOKI	0.0002	0.9884
Marvin	0.0000	0.9798
STMX	0.0088	0.9782
Neiro	0.0018	0.9689

- **Precision: 0.75**
- **Recall: 0.84**
- **F1-score: 0.79**
- **Accuracy: 081**



Suggestions

1

Include minute by minute price data, Identify Wallet Balances

2

Input more relevant features for price prediction model

3

Expand to other networks for a broader breath of the market

Wallets Incorporated