

The State of Bitcoin

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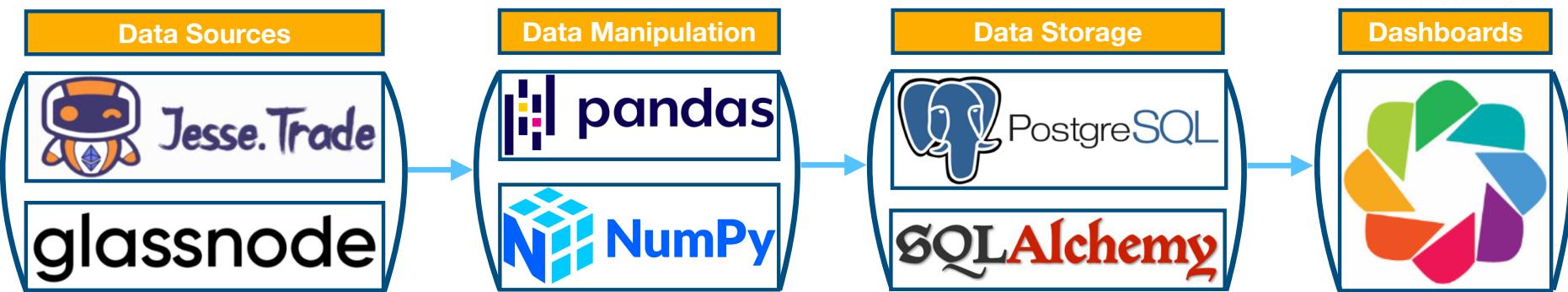
Introduction

What exactly are we doing here?

- **Project Goal:** Create a daily dashboard that combines a variety of relevant data points into a single resource for viewing the current state of Bitcoin.
 - Build and standardize a data pipeline to populate the dashboard.
 - Eliminate the need for visiting several different websites.
 - Develop and provide novel insights not found in other resources.

Data Pipeline

How was the sausage made?



- ฿ Price data
- ฿ On-chain metrics
- ฿ Indicator calculations
- ฿ Classification model (sci-kit learn)

Dashboard Indicators

What does it all mean?

Price Action

- Bitcoin icon: Candlesticks 
- Bitcoin icon: Trading volume

On-Chain Metrics

- Bitcoin icon: Net Unrealized P/L
- Bitcoin icon: Stock to Flow
- Bitcoin icon: Percent Supply in Profit

Trend and Momentum

- Bitcoin icon: Ichimoku Cloud
- Bitcoin icon: MACD & RSI

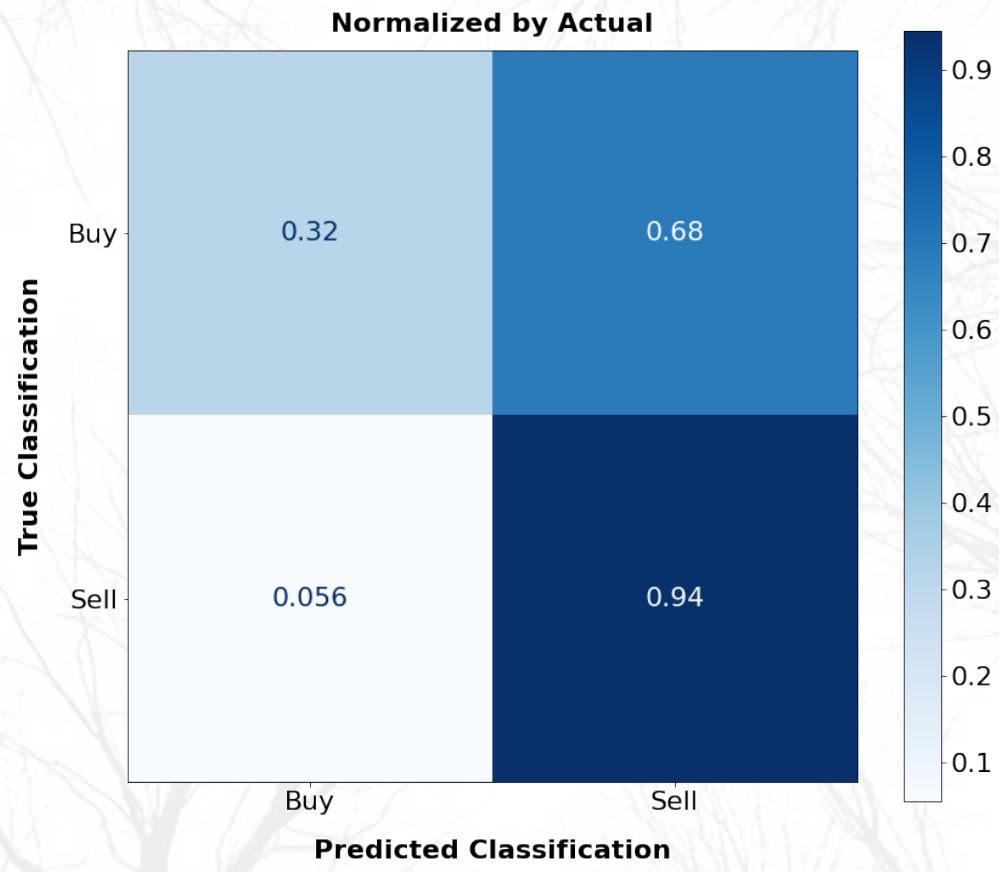
Volatility & Divergence

- Bitcoin icon: Bollinger Bands
- Bitcoin icon: Price/Volume Divergence

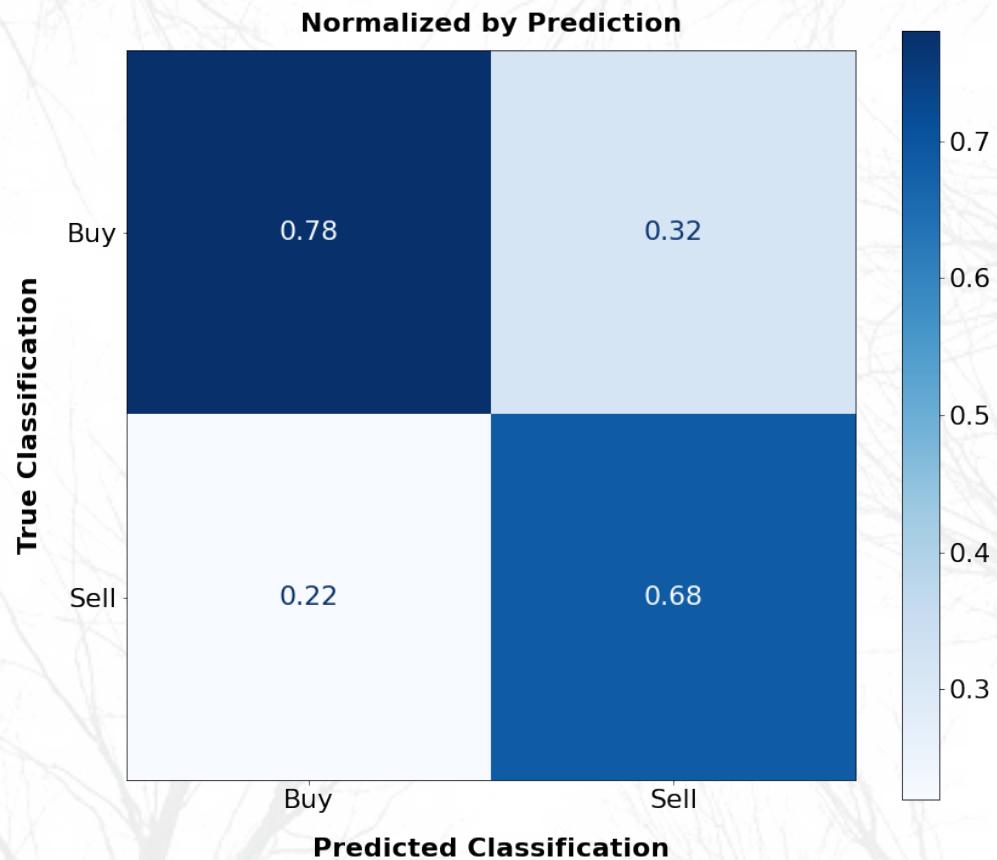
A faint background image of a circular electronic circuit board. The board features concentric rings of various components and text. The outer ring contains the words "MONITORING", "DATA", "MANAGEMENT", and "TECHNOLOGY". The inner ring contains the word "DASHBOARD".

Dashboard Demo

Random Forest Classifier



Random Forest Classifier



Future Work

What's next?

- Ƀ Additional timeframes
- Ƀ Additional cryptocurrencies
- Ƀ Cloud computing solution
- Ƀ Price prediction model refinement
- Ƀ Tableau-style interactivity
- Ƀ Sentiment analysis (in-progress)

Thank you!

