STATE OF THE TECH LABOR MARKET

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AGENDA

Project Objective

Data

The Big Picture

Modeling

Dashboard Preview

Conclusion and Next Steps

PROJECT OBJECTIVE

Given the massive layoffs in tech, I wanted to take a deeper look at the state of the industry to get a sense of what is really going on behind the scenes. This project analyzes the market both from a layoffs and jobs posting perspective, as well as predicts what the near future might look like for the industry.
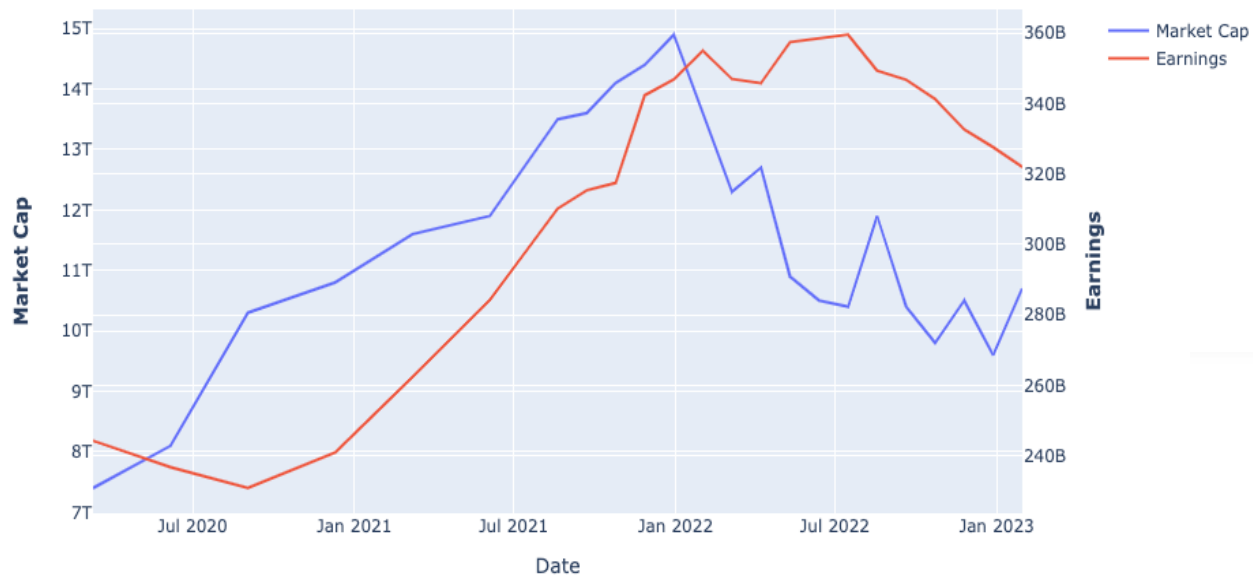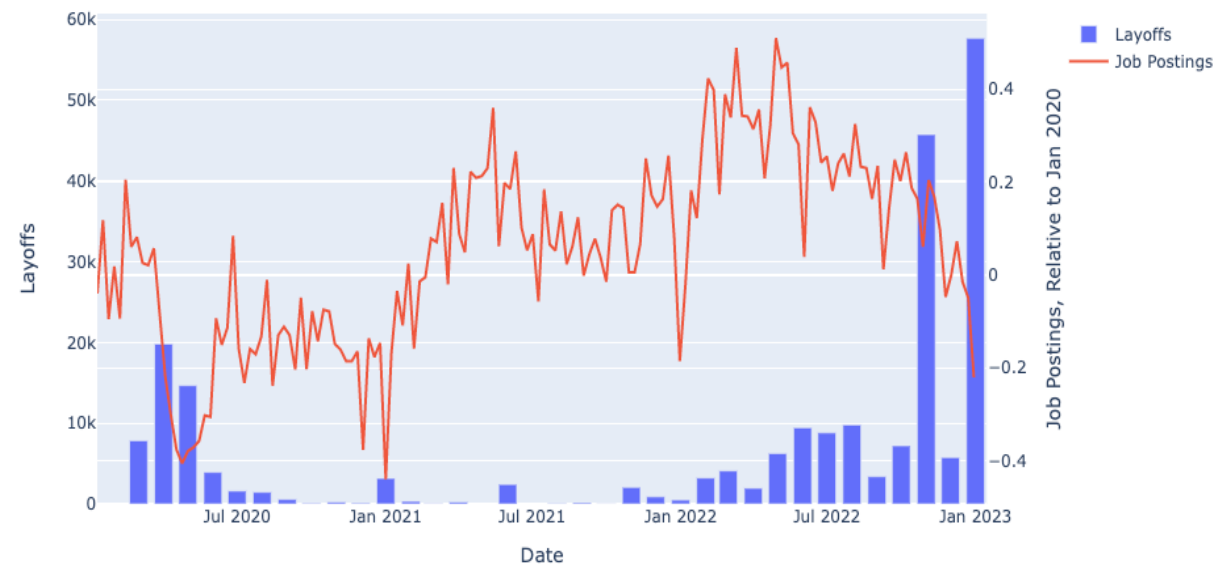
DATA

- Layoffs.fyi

- Census API

- Crunchbase

- US Bureau of Labor Statistics

- Simply WallStreet

- Indeed / Lightcast

- Kaggle

- Yahoo Finance

THE BIG PICTURE

Tech Sector Market Cap & Earnings

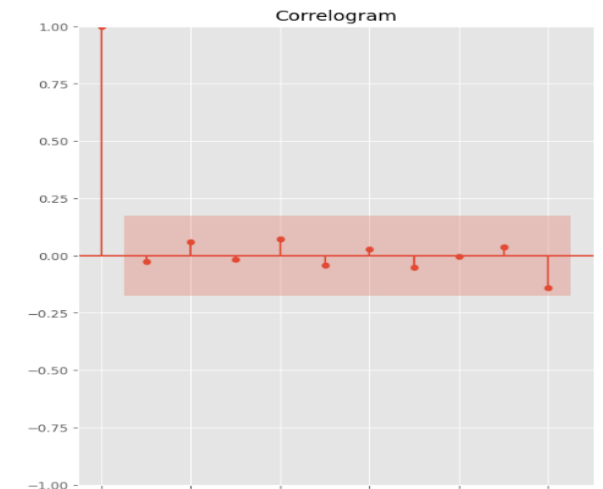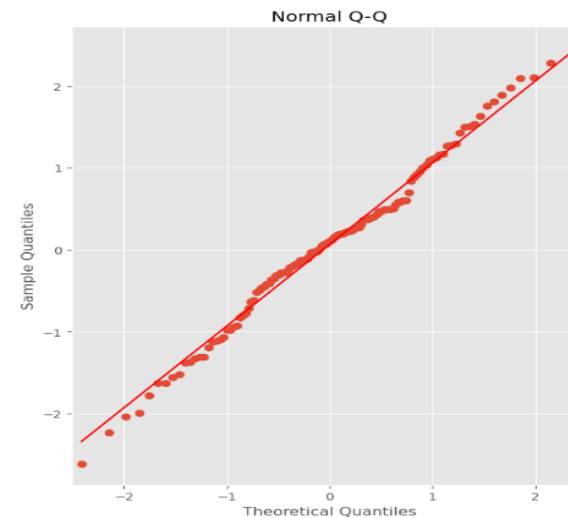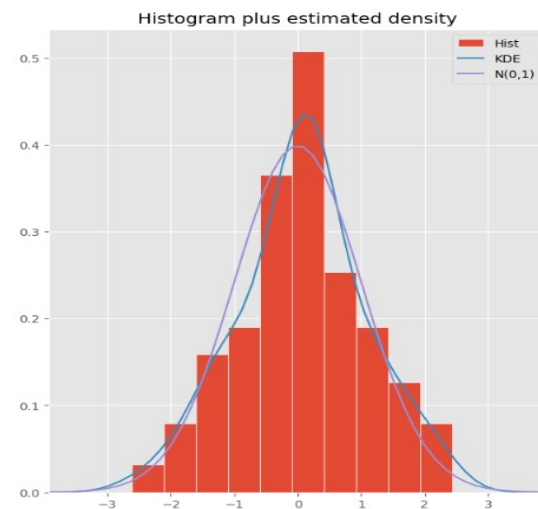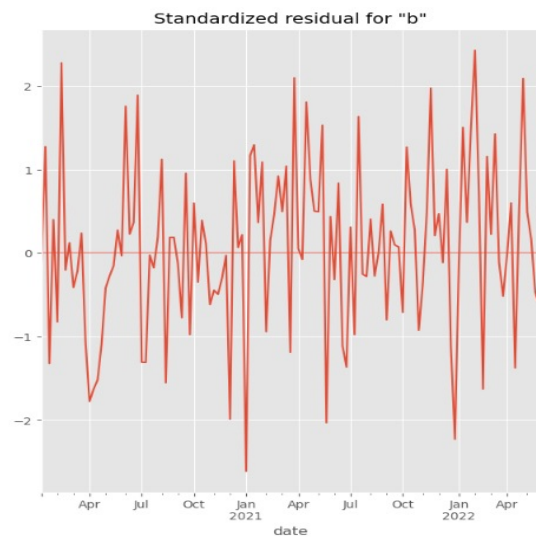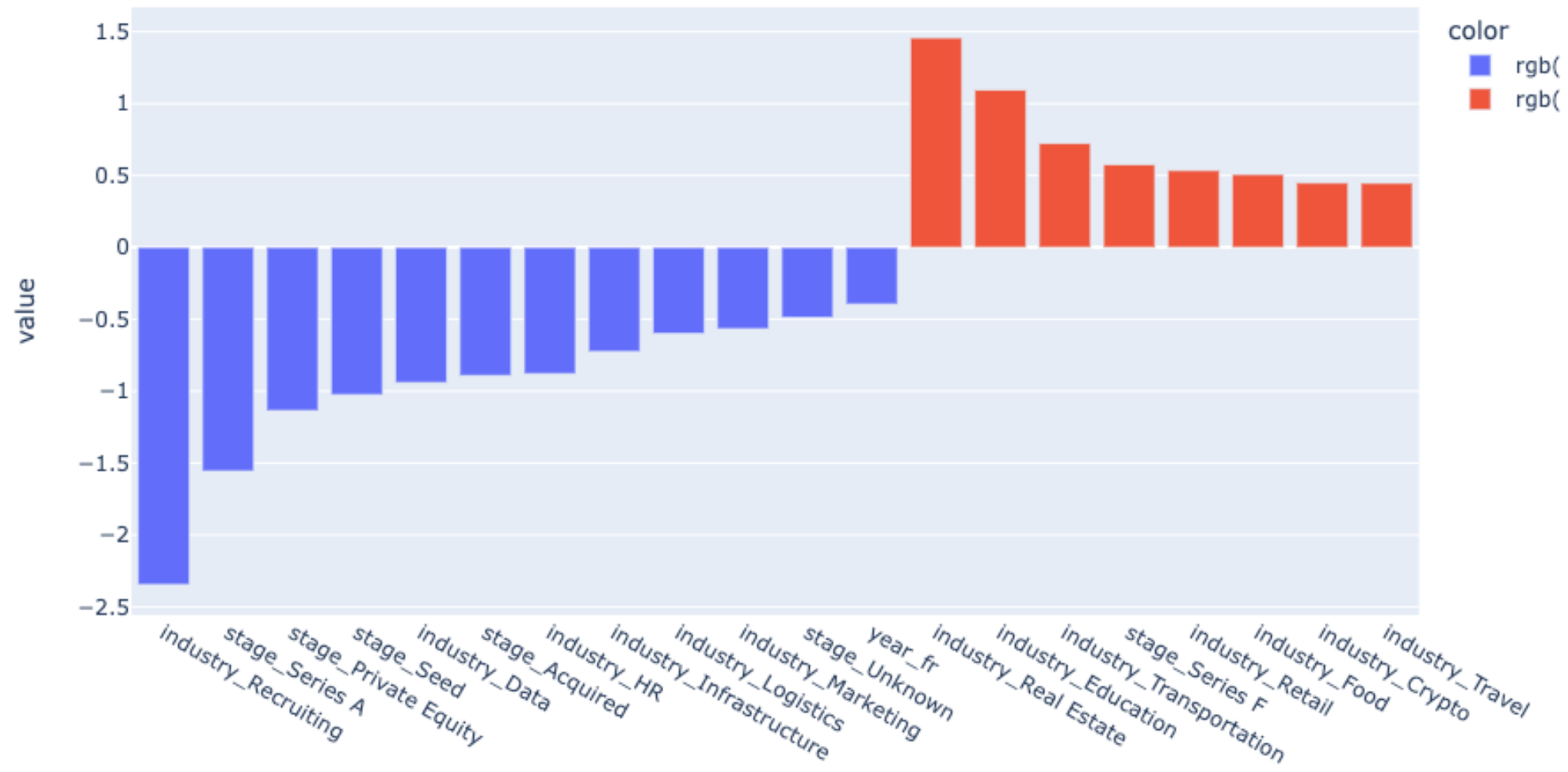## Layoffs and Job Postings

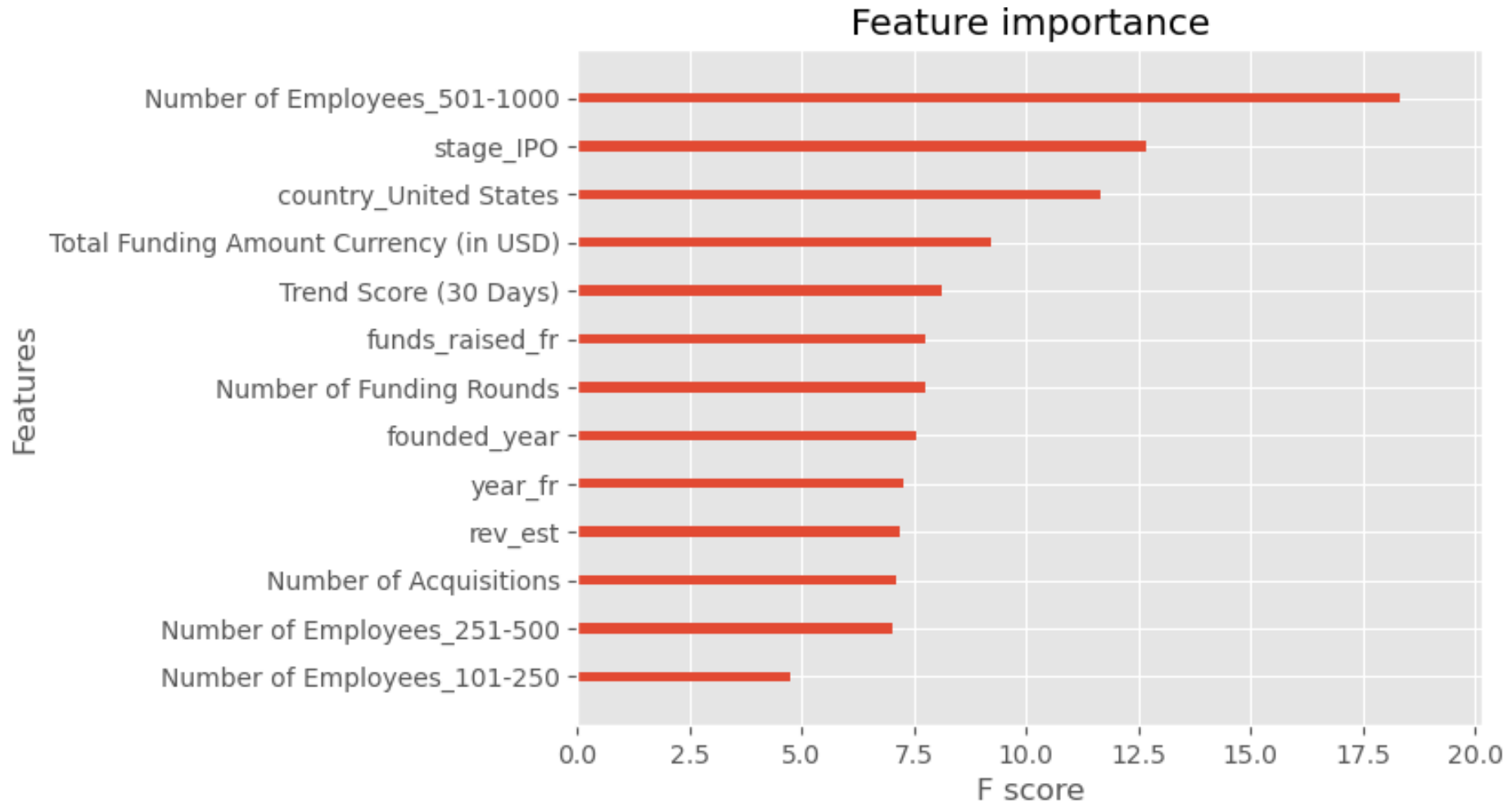Job Posting Forecast, 1yr Out

TIME SERIES MODEL – EVALUATION

LAYOFF FREQUENCY PREDICTION – FEATURE IMPORTANCE LOGISTIC REGRESSION COEFFICIENTS

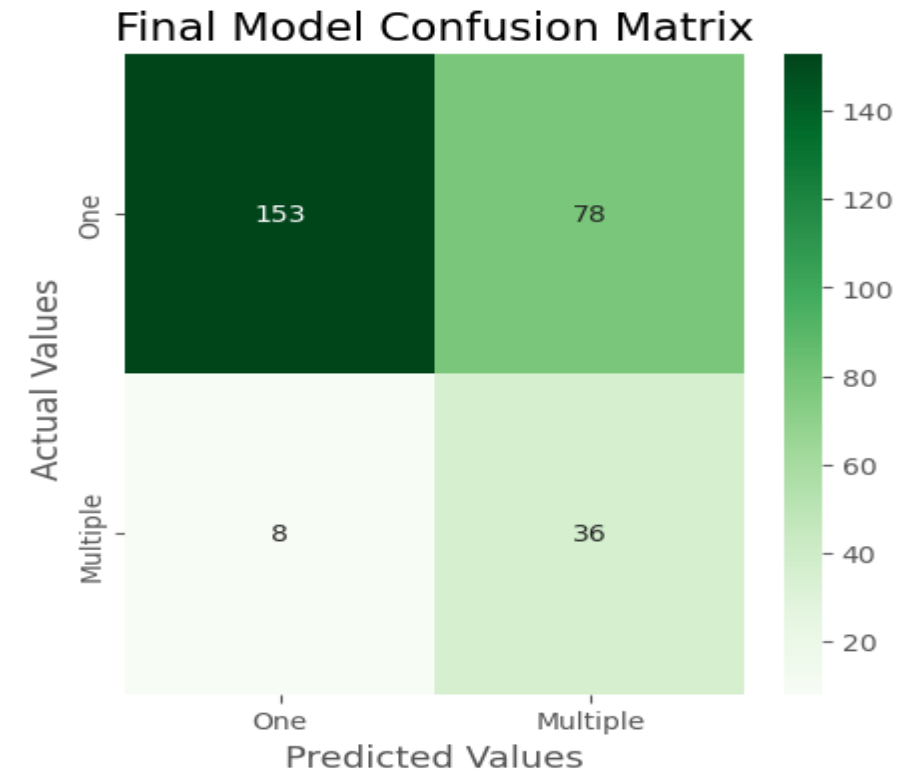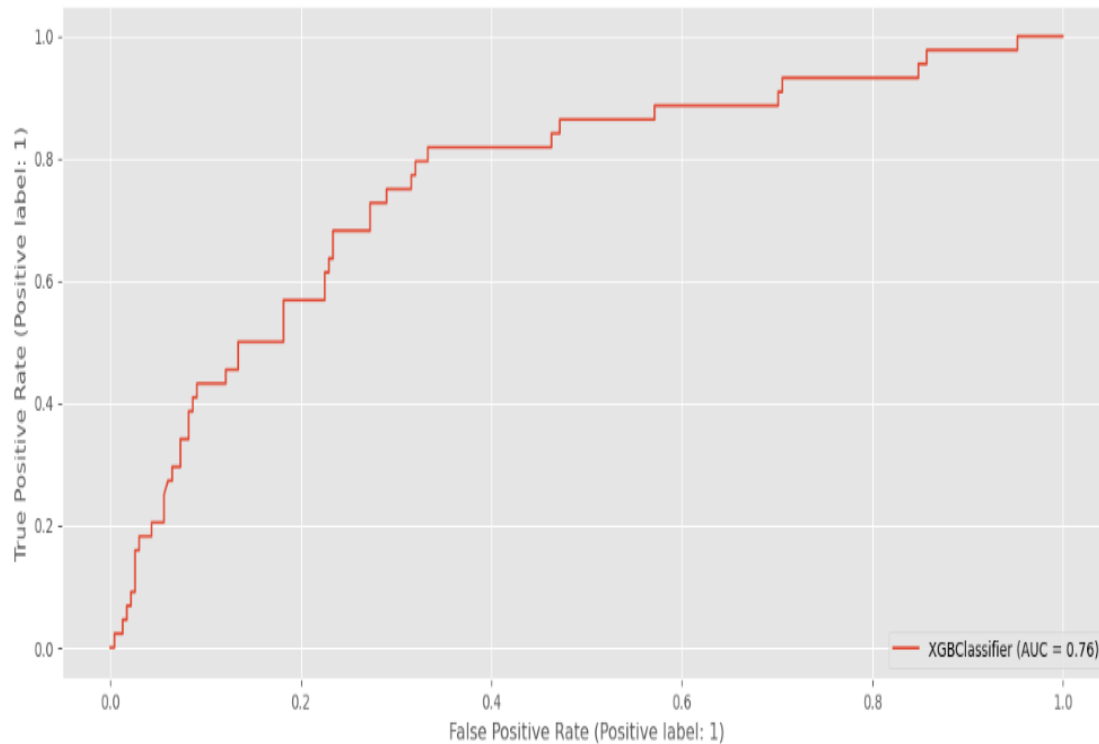# LAYOFF FREQUENCY PREDICTION – FEATURE IMPORTANCE FINAL MODEL

Feature importance

LAYOFF FREQUENCY PREDICTION – MODEL EVAL
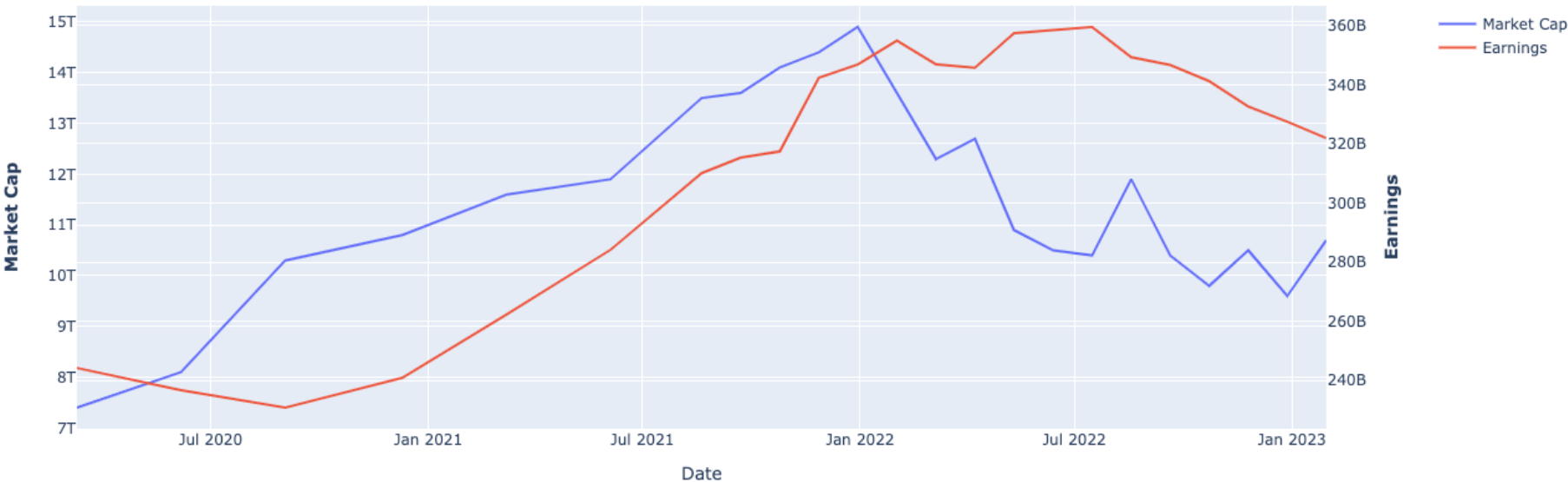
DASHBOARD PREVIEW

CONCLUSION AND NEXT STEPS

- THERE IS HOPE. Job postings should remain stable for the next year, meaning there are opportunities for laid off employees

- Larger companies tend to see more rounds of layoffs – be proactive if you are an employee at one of these firms

- Next steps: gather more company data to feed into classification model, gather data as far as specific roles laid off & posted to match laid off employees with job postings that may fit their background

THANK YOU

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