CS 587 - Homework 5 Report

By Muhammad Umar (A20455931)

D3

Angular

Angular-cli

Angular Material

D3

Go

Go-github

Google Maps

React

Tensorflow
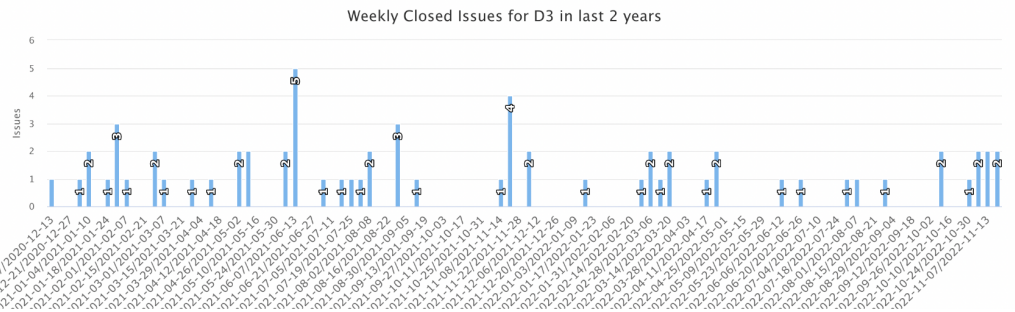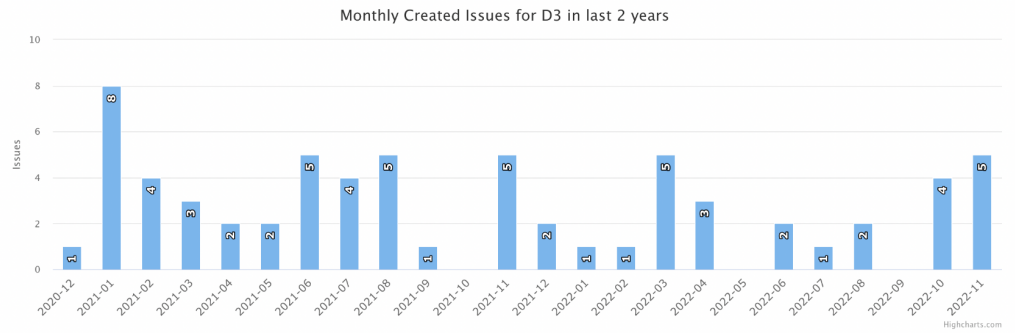
Keras

Flask

All

Monthly Created Issues for D3 in last 2 years

Weekly Closed Issues for D3 in last 2 years
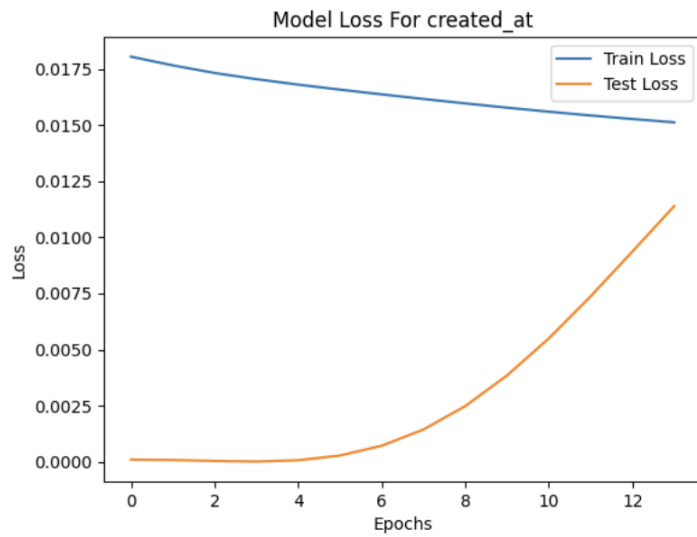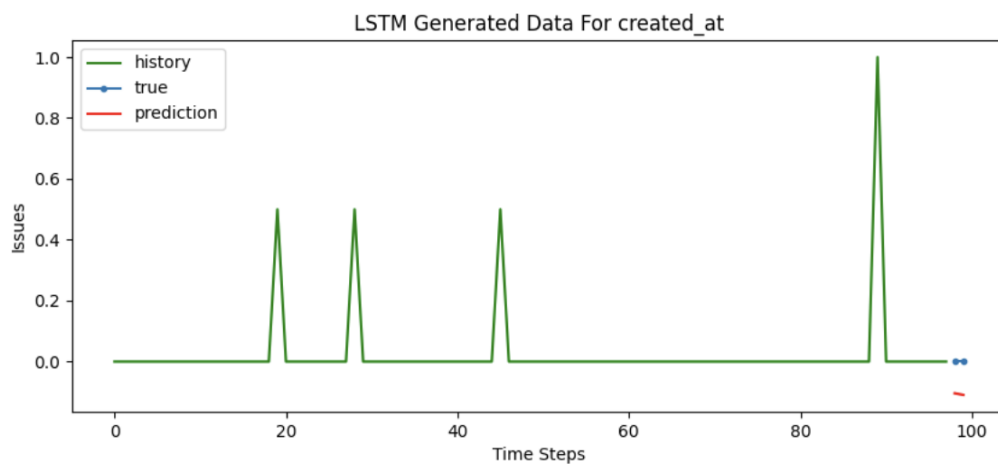
LSTM

Timeseries Forecasting of Created Issues using Tensorflow and Keras LSTM based on past mo
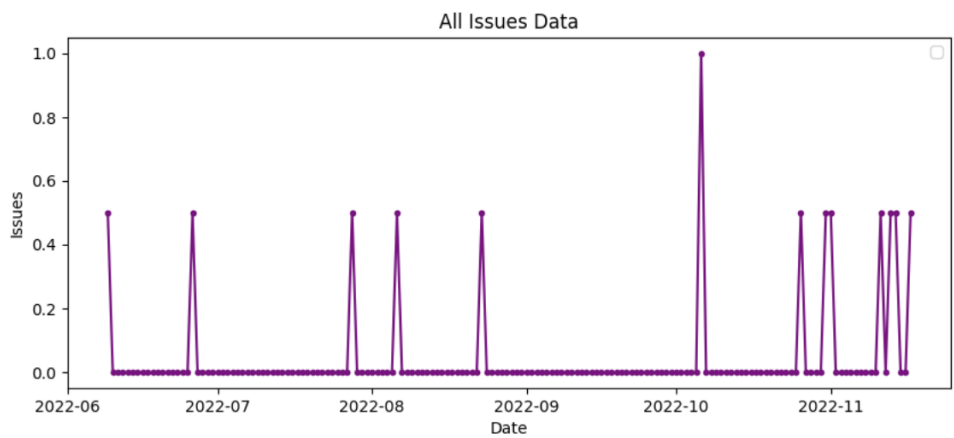
Model Loss for Created Issues

LSTM Generated Data for Created Issues

All Issues Data for Created Issues
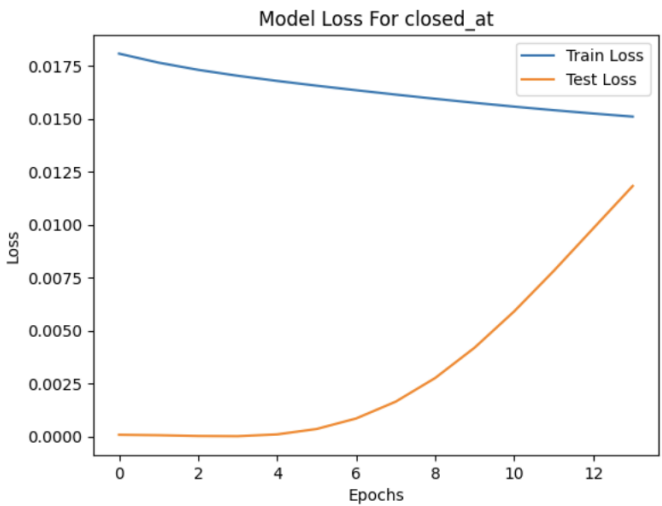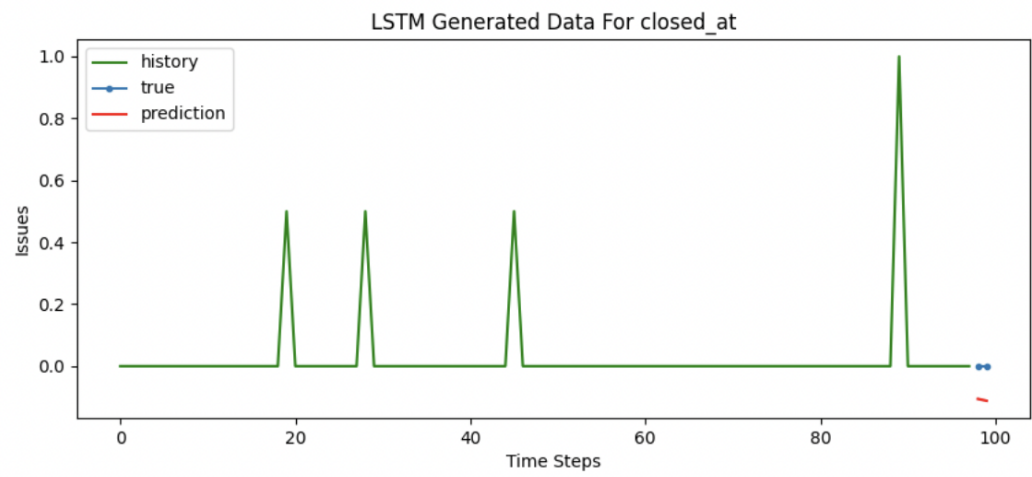

All Issues Data

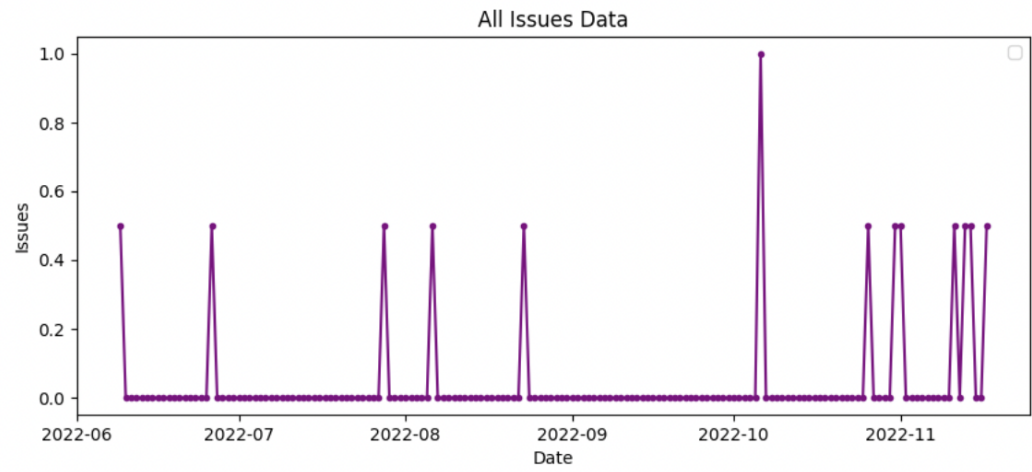Timeseries Forecasting of Closed Issues using Tensorflow and Keras LSTM based on past month
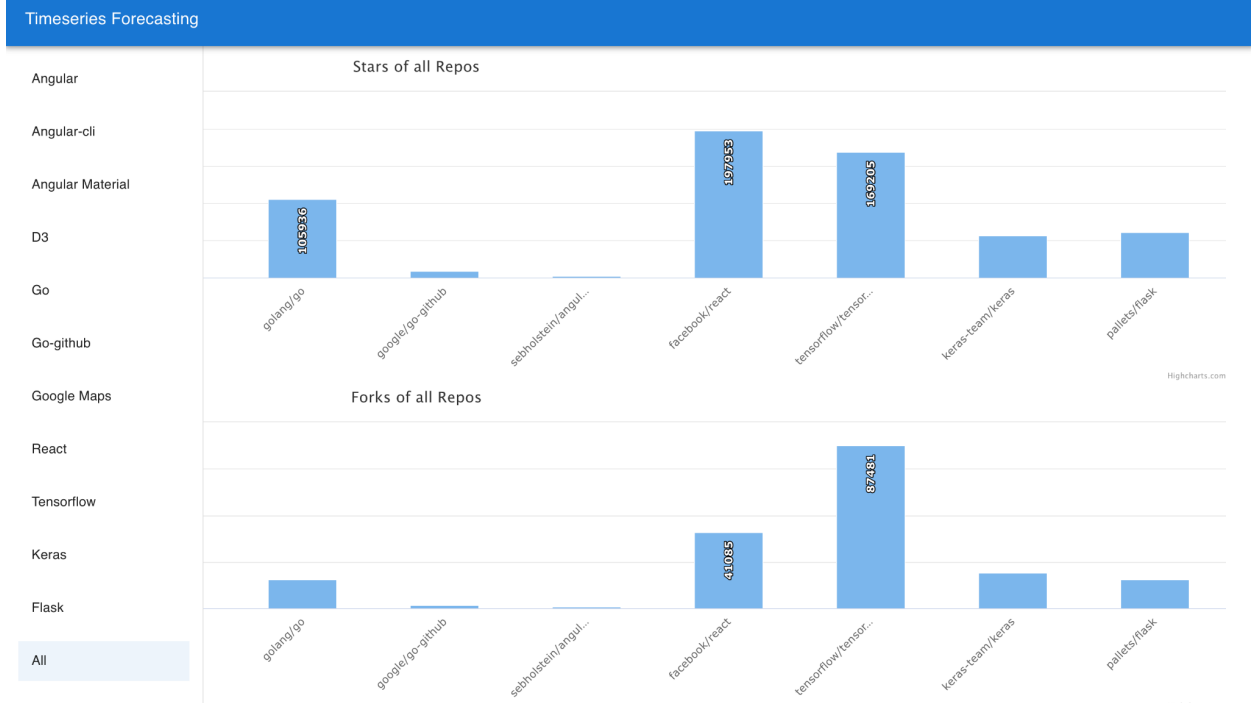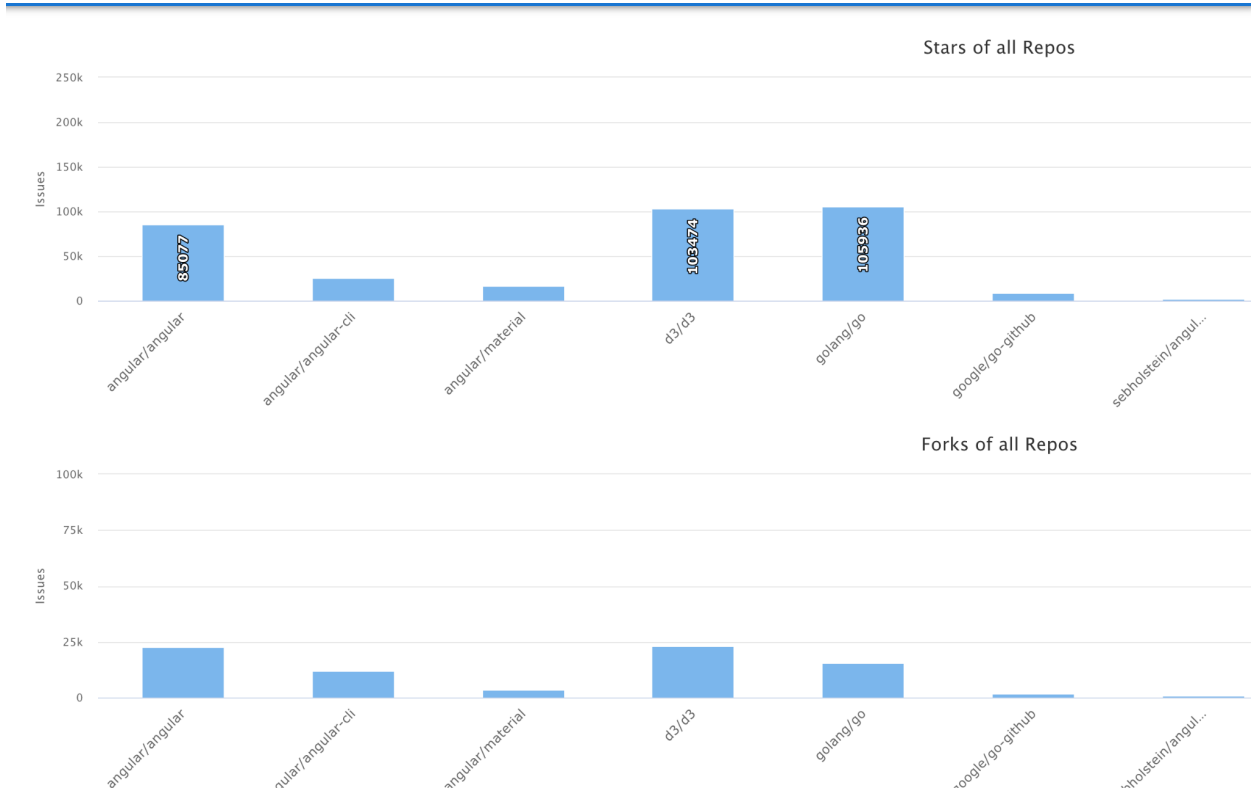
Model Loss for Closed Issues

Model Loss For closed_at

LSTM Generated Data for Closed Issues

All Issues Data for Closed Issues

All Repositories

Stars of all Repos

Issues

- angular/angular: 85077
- angular/angular-cli
- angular/material
- d3/d3: 102474
- golang/go: 105936
- google/go-github
- sebholstein/angul...

Forks of all Repos

Issues

- angular/angular
- ...ular/angular-cli
- ...angular/material
- d3/d3
- golang/go
- ...oogle/go-github
- ...holstein/angul...

Timeseries Forecasting

- Angular
- Angular-cli
- Angular Material
- D3
- Go
- Go-github
- Google Maps
- React
- Tensorflow
- Keras
- Flask
- All

Stars of all Repos

- golang/go: 105936
- google/go-github
- sebholstein/angul...
- facebook/react: 197953
- tensorflow/tensor...: 169205
- keras-team/keras
- pallets/flask

Highcharts.com

Forks of all Repos

- golang/go
- google/go-github
- sebholstein/angul...
- facebook/react: 41085
- tensorflow/tensor...: 87481
- keras-team/keras
- pallets/flask

Notes

- All repositories are working for issues_count, open, closed for the past 2 years
- All repositories are working for stars count and forks count
- Stacked Bar Chart is semi-implemented with some bugs (testing with static data in code)
- LSTM is implemented
  - Facebook Prophet and Stats model is remaining
- There were many Apple M1 specific bugs
  - Tensorflow doesn't install directly and has a workaround
  - matplotlib.switch_backend('Agg') is needed for plt figures
  - docker build . –platform linux/amd64 has to be specified for intel chips servers including google cloud