

Analysis Report

Introduction

The objective of this project is to analyze the performance of time-series forecasting models applied to GitHub repositories. The models are TensorFlow LSTM, Facebook Prophet, and StatsModel. These models predict trends such as issue creation, closure rates, and repository activity. Additionally, the project includes deploying microservices on Google Cloud using Docker and implementing React and Flask for frontend and backend services.

Overview

The project involves retrieving and analyzing data from GitHub repositories over two years. The repositories include popular projects like LangChain, Microsoft Autogen, OpenAI Cookbook, ElasticSearch, and Milvus. Key tasks include: Using the GitHub API to collect data on created and closed issues, stars, forks, and other metrics.

Visualization: Creating line and bar charts to represent trends.

Forecasting Models: Implementing time-series forecasting using TensorFlow/Keras LSTM, Facebook Prophet, and StatsModel.

Deployment: Utilizing Docker and Google Cloud for deploying microservices.

Comparative Analysis: Evaluating the accuracy of forecasting models.

Time-Series Analysis

Time-series forecasting involves analyzing sequential data over time. Examples include predicting repository activity and trends. This project uses three models:

When analyzing and forecasting GitHub activity metrics such as created issues, closed issues, and pull requests, choosing the right tool depends on the nature of the data and desired outcomes. **TensorFlow/Keras LSTM** is well-suited for capturing complex patterns and handling long-term dependencies in sequential data, making it ideal for intricate trends in GitHub activity. **Facebook Prophet**, on the other hand, excels in business time-series predictions by effectively managing seasonality and external factors like holidays, providing clear components of the forecast such as trend and weekly patterns. **StatsModels** takes a classical statistical approach, offering robust and interpretable predictions, making it a reliable choice for scenarios prioritizing simplicity and transparency. Each tool brings unique strengths to forecasting, enabling tailored solutions based on the complexity and requirements of the data.

Deployment

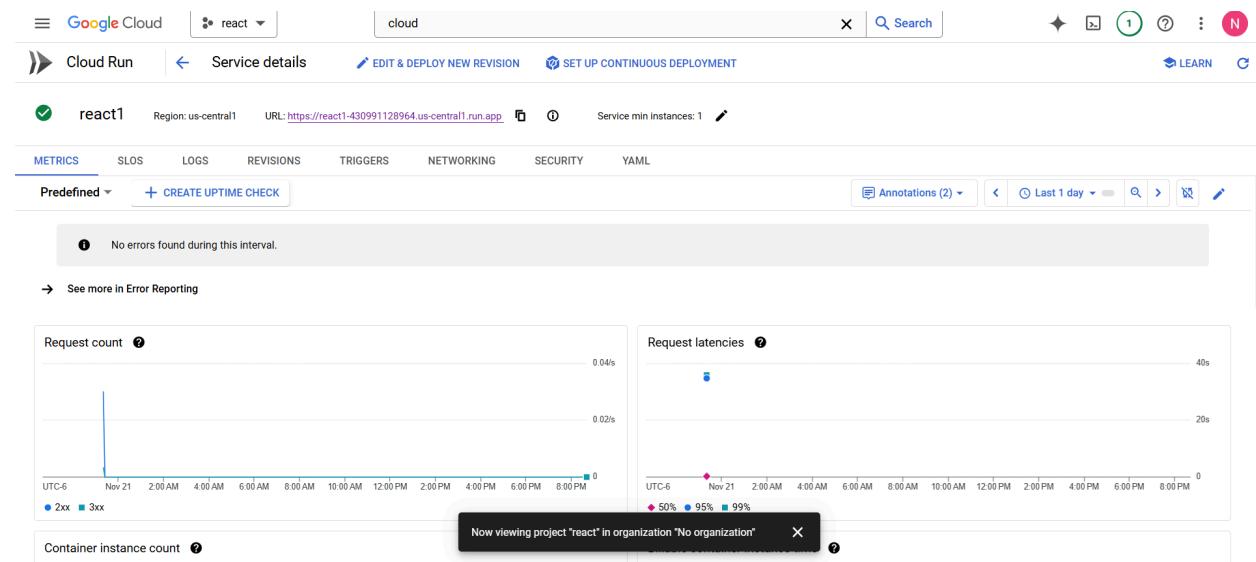
Microservices were deployed using Docker and Google Cloud. Key components included:

- **Frontend:** React-based interface displaying real-time forecasts.
- **Backend:** Flask APIs fetching and processing GitHub data.
- **Containerization:** Docker containers for scalability and deployment efficiency.

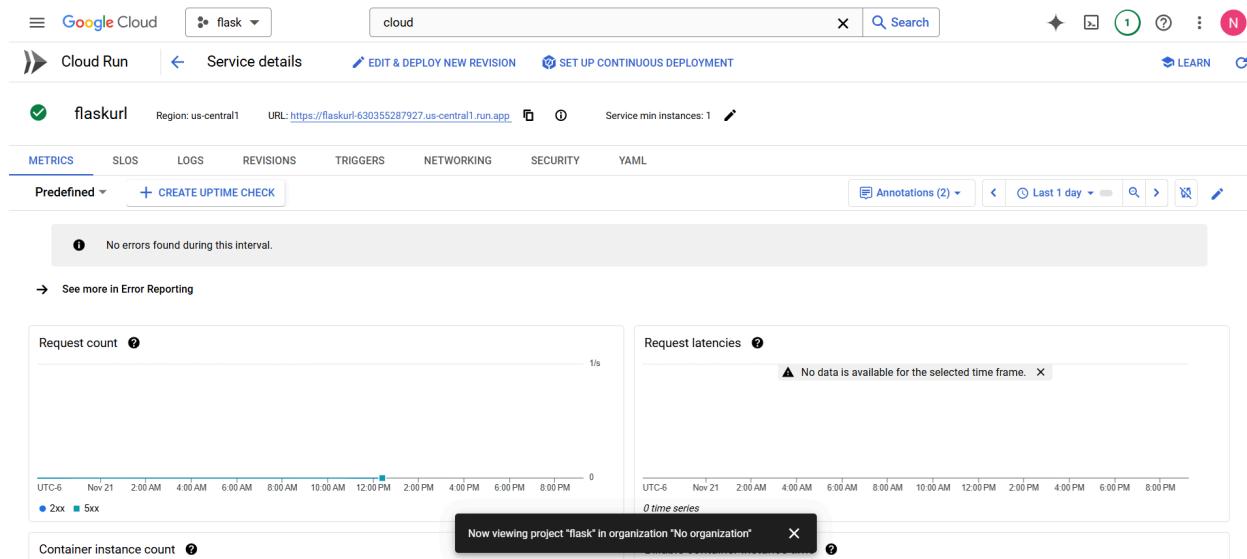
Conclusion

The analysis demonstrated the effectiveness of different forecasting models for GitHub data. Prophet was recommended for business applications due to its precision and interpretability. LSTM's capabilities made it suitable for handling complex trends, while StatsModel offered a lightweight alternative.

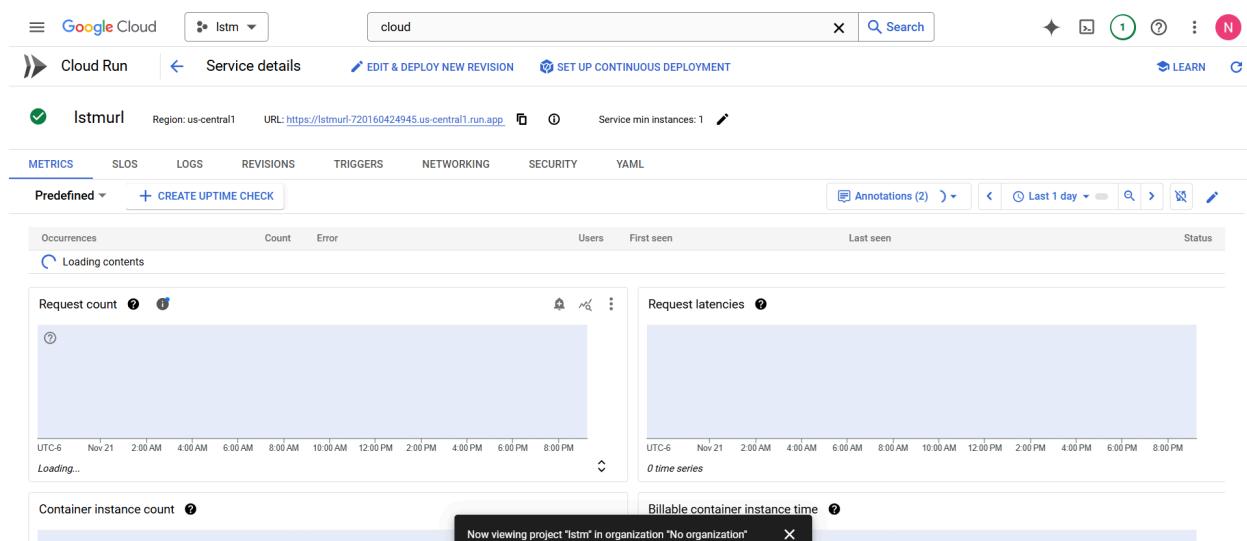
React mircoservices



Flask microservice:



Lstm microservice:



LSTM bucket:

The screenshot shows the Google Cloud Storage 'Bucket details' page. The left sidebar has 'Cloud Storage' selected under 'Buckets'. The main area shows a list of files with columns for name, size, type, modified time, storage class, and download link. The list includes various file names starting with 'all_issues_data...' and 'day_max_issues...', mostly in image/png format, modified on Nov 21, 2024, and stored in Standard storage.

							GO TO PATH	REFRESH	LEARN
<input type="checkbox"/>		all_issues_data_created_at_open...	36.1 KB	image/png	NOV 21, 2024, 7:43:07 PM	Standard	Nov 21, 2C		
<input type="checkbox"/>		all_issues_data_created_at_pymil...	40.8 KB	image/png	Nov 21, 2024, 8:15:38 PM	Standard	Nov 21, 2C		
<input type="checkbox"/>		all_issues_data_pull_request_auto...	26.1 KB	image/png	Nov 21, 2024, 7:37:57 PM	Standard	Nov 21, 2C		
<input type="checkbox"/>		all_issues_data_pull_request_elas...	29.7 KB	image/png	Nov 21, 2024, 8:09:02 PM	Standard	Nov 21, 2C		
<input type="checkbox"/>		all_issues_data_pull_request_lang...	39.8 KB	image/png	Nov 21, 2024, 8:22:18 PM	Standard	Nov 21, 2C		
<input type="checkbox"/>		all_issues_data_pull_request_lang...	34.3 KB	image/png	Nov 21, 2024, 7:28:46 PM	Standard	Nov 21, 2C		
<input type="checkbox"/>		all_issues_data_pull_request_ope...	25.9 KB	image/png	Nov 21, 2024, 7:43:58 PM	Standard	Nov 21, 2C		
<input type="checkbox"/>		all_issues_data_pull_request_pym...	21.4 KB	image/png	Nov 21, 2024, 8:16:28 PM	Standard	Nov 21, 2C		
<input type="checkbox"/>		all_issues_data_release_autogen...	35.1 KB	image/png	Nov 21, 2024, 7:38:25 PM	Standard	Nov 21, 2C		
<input type="checkbox"/>		all_issues_data_release_elasticse...	35.1 KB	image/png	Nov 21, 2024, 8:09:21 PM	Standard	Nov 21, 2C		
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<input type="checkbox"/>		day_max_issues_closed_data_clo...	45.4 KB	image/png	Nov 21, 2024, 7:28:04 PM	Standard	Nov 21, 2C		
<input type="checkbox"/>		day_max_issues_closed_data_clo...	51.9 KB	image/png	Nov 21, 2024, 7:43:32 PM	Standard	Nov 21, 2C		

Below are attached pdfs of all the repositories data analysis in the React application.

Timeseries Forecasting by Nency patel - Assignment 5 Part 1

Number of stars

Number of forks

LangChainai-Langchain

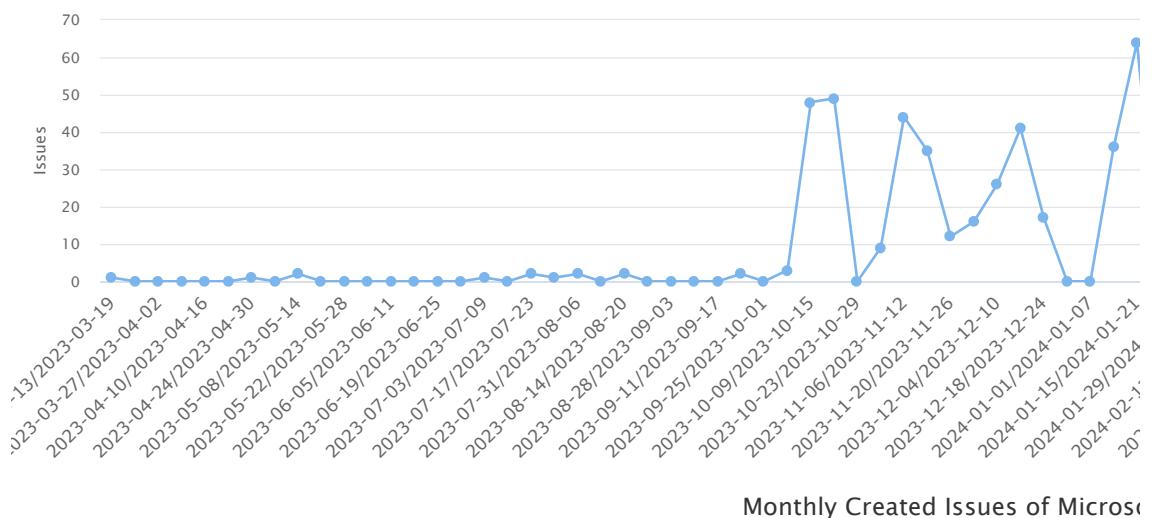
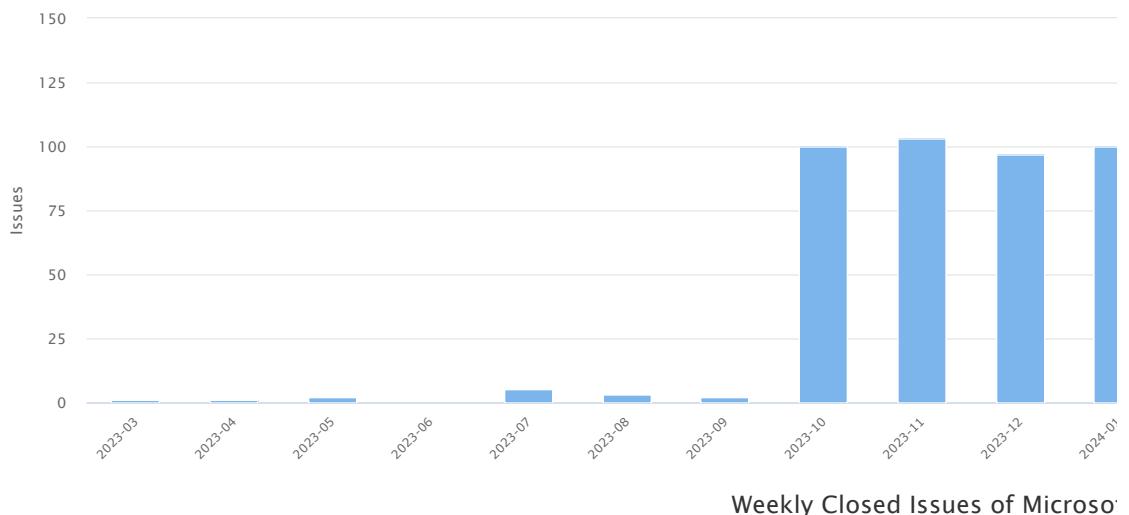
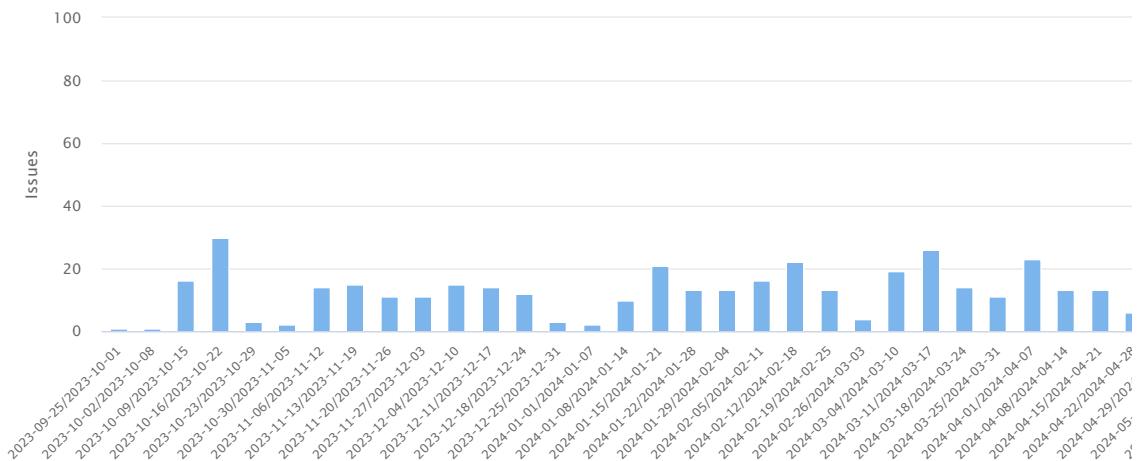
LangChainai-Langgraph

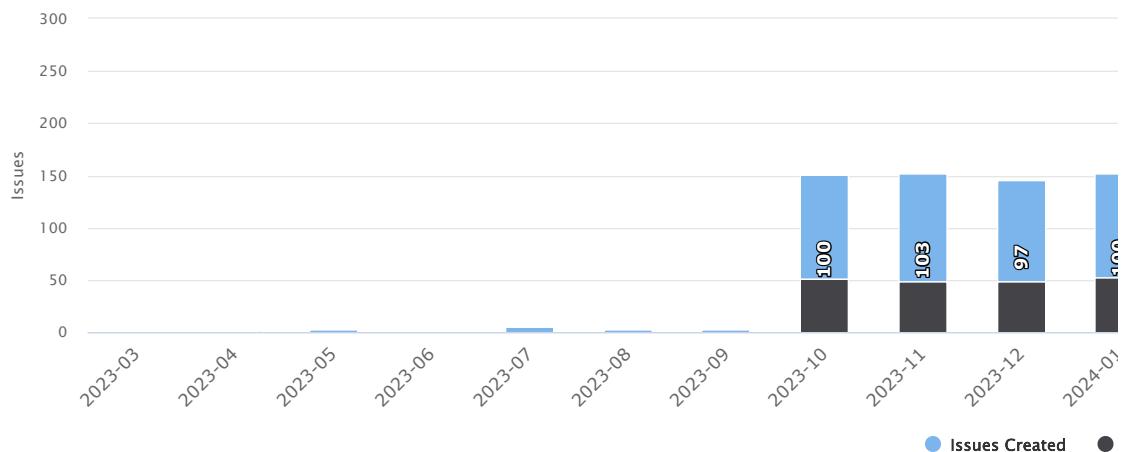
Microsoft-Autogen

Openai-Cookbook

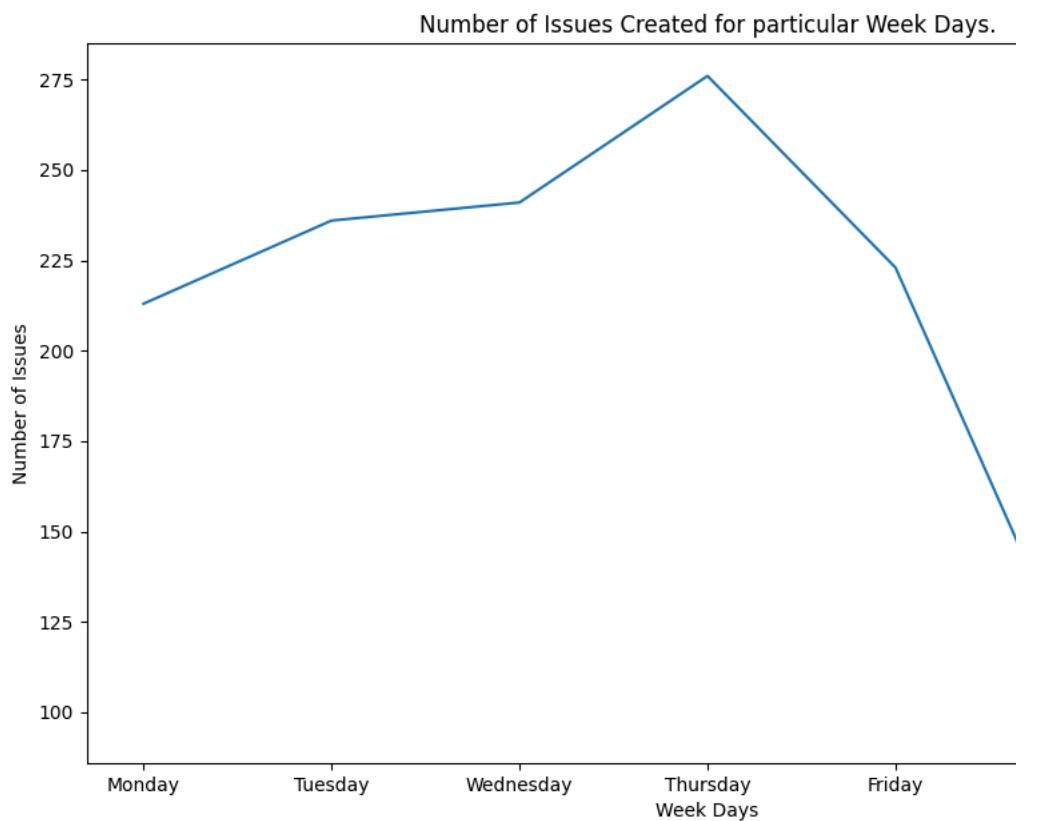
elasticsearch

Pymilvus

Issues of Microsoft-Autogen**Monthly Created Issues of Microsoft-Autogen****Weekly Closed Issues of Microsoft-Autogen**



The day of the week maximum number of issues created



The day of the week maximum number of issues Closed

Number of stars

Number of forks

LangChainai-Langchain

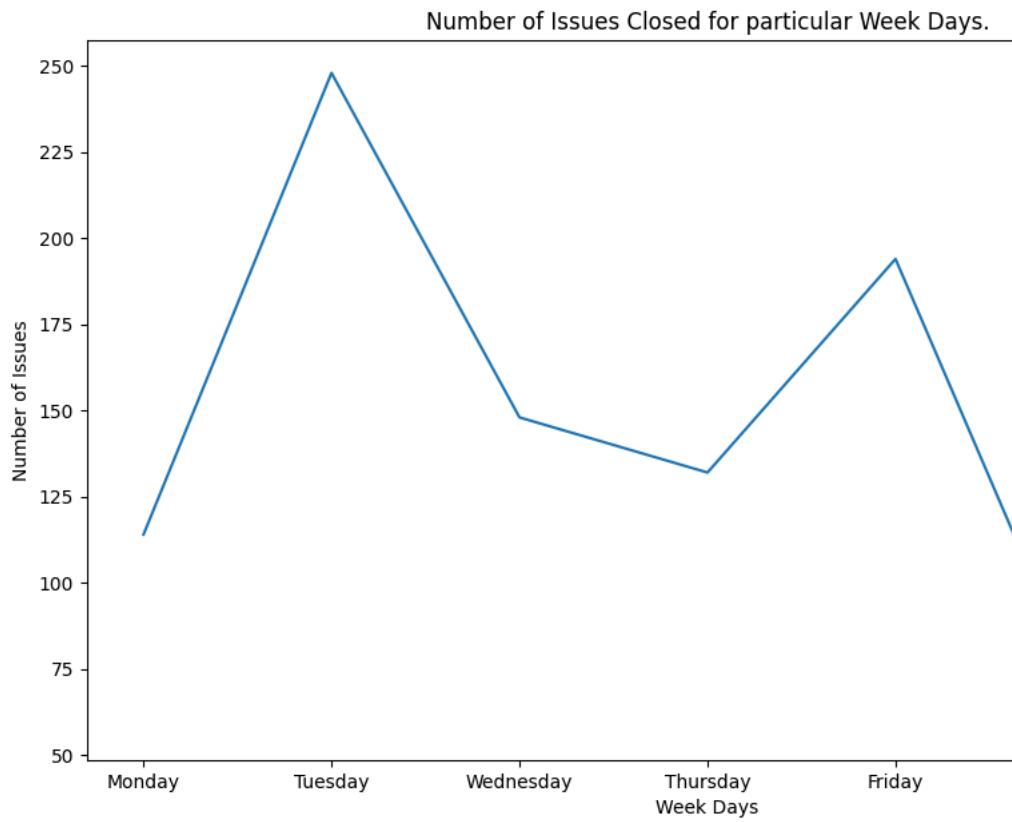
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Microsoft-Autogen

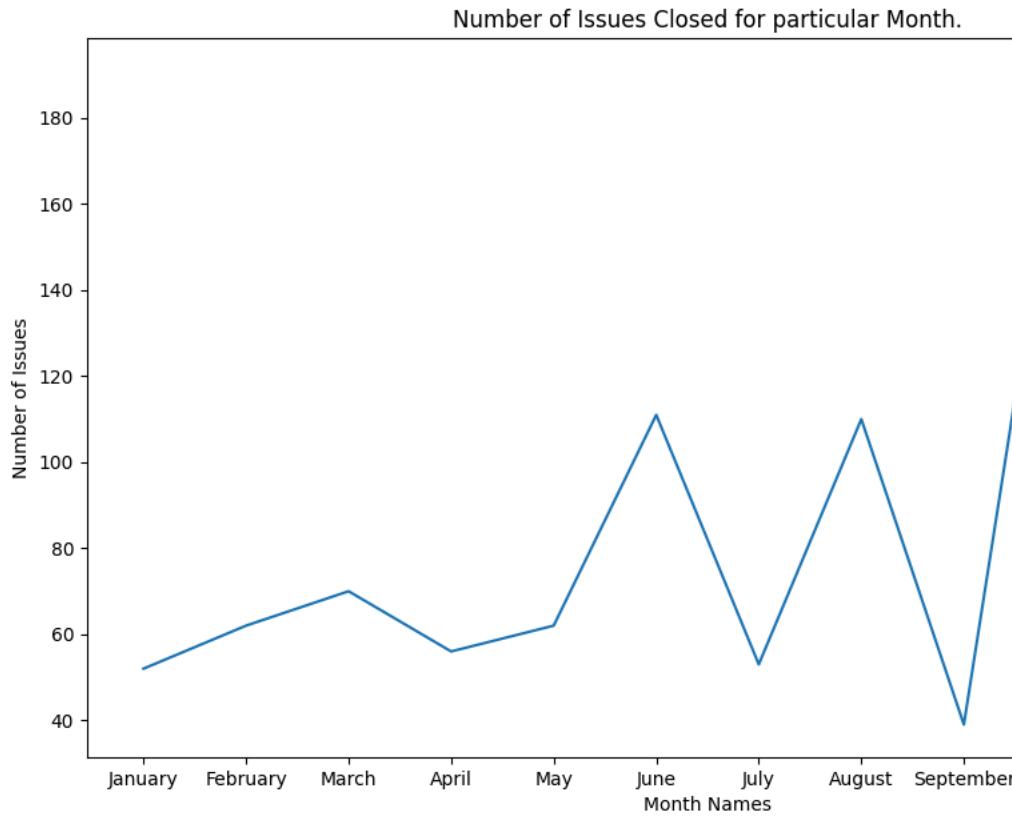
Openai-Cookbook

elasticsearch

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The month of the year that has maximum number of issues closed



Timeseries Forecasting of Created Issues using Tensorflow and Keras LSTM ba

Model Loss for Created Issues

Number of stars

Number of forks

LangChainai-Langchain

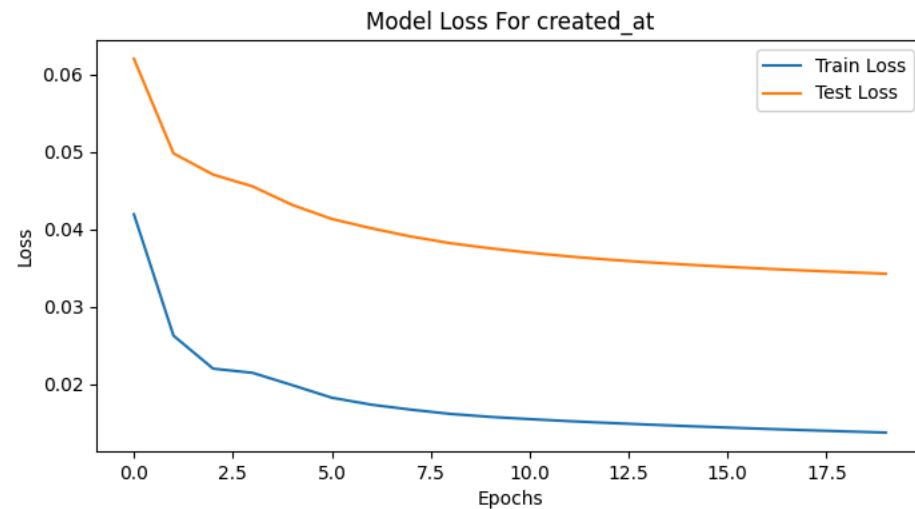
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Microsoft-Autogen

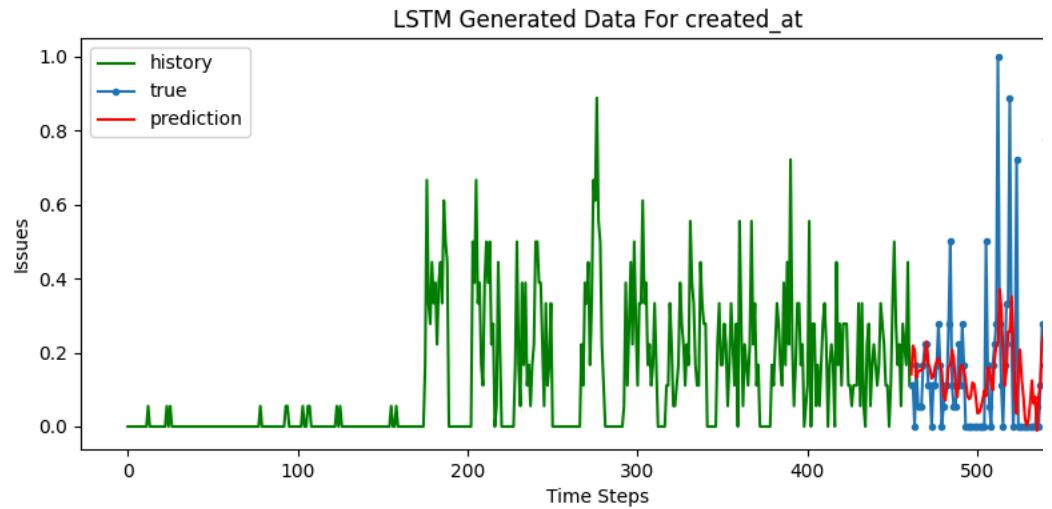
Openai-Cookbook

elasticsearch

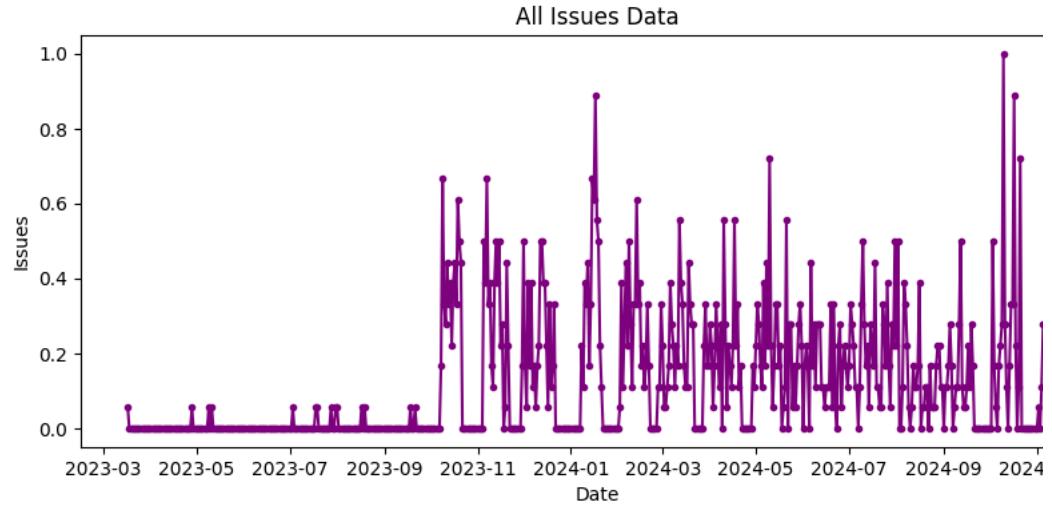
Pymilvus



LSTM Generated Data for Created Issues



All Issues Data for Created Issues



Timeseries Forecasting of Closed Issues using Tensorflow and Keras LSTM bas

Model Loss for Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

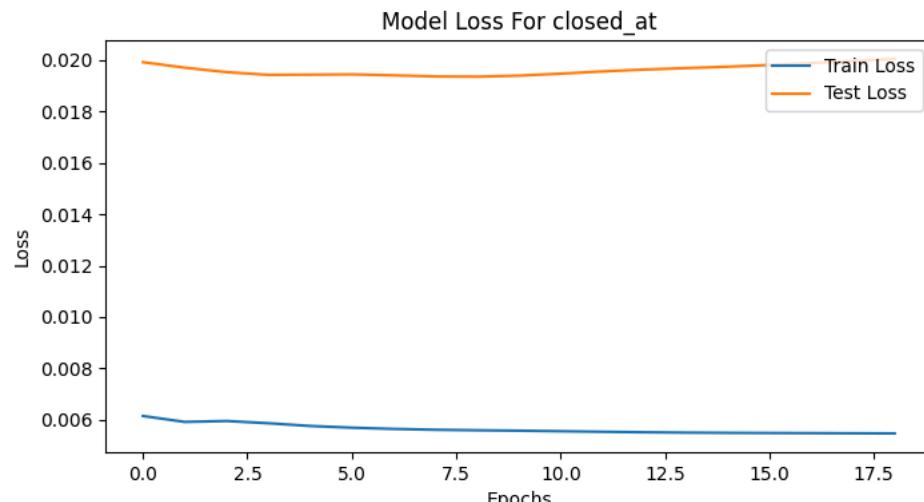
LangChainai-Langgraph

Microsoft-Autogen

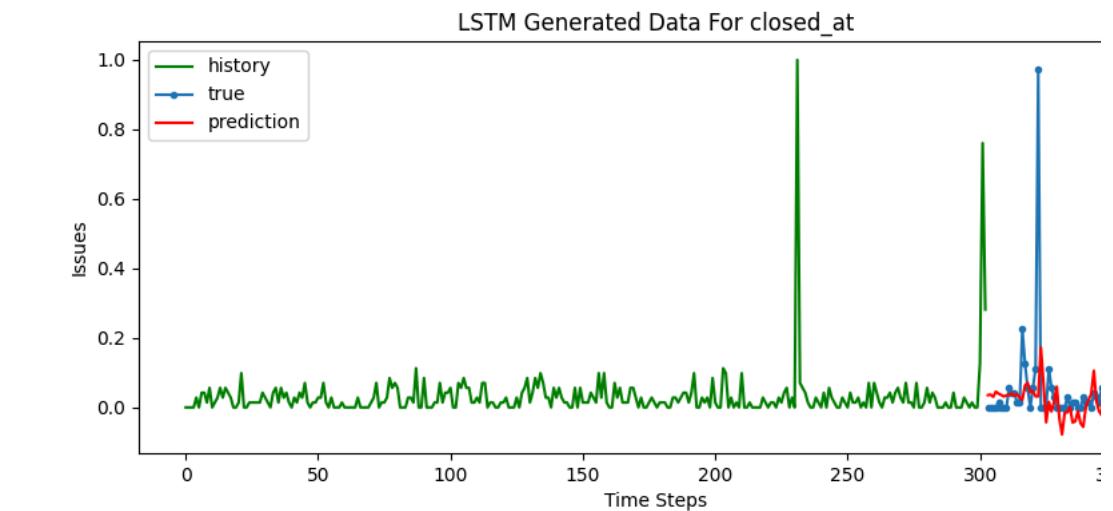
Openai-Cookbook

elasticsearch

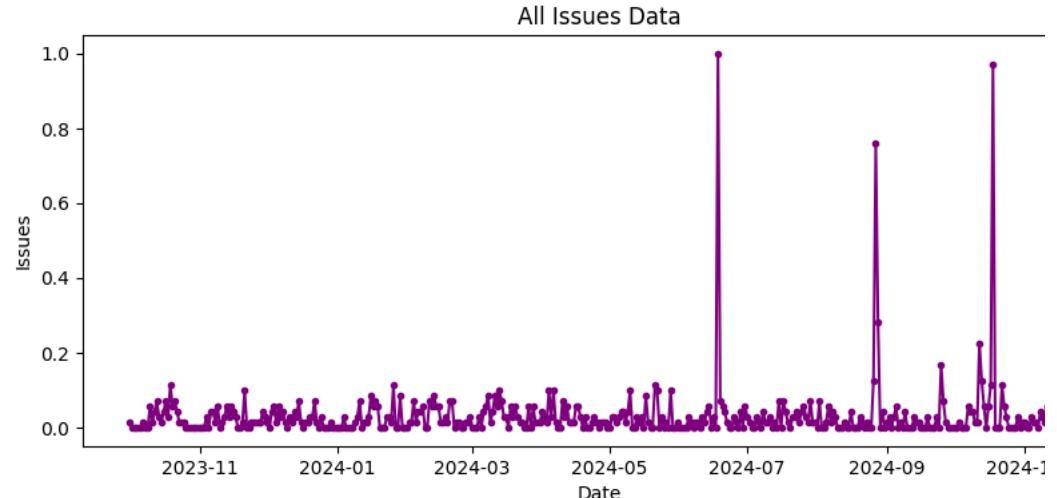
Pymilvus



LSTM Generated Data for Closed Issues



All Issues Data for Closed Issues



Timeseries Forecasting of Pull Requests using Tensorflow and Keras LSTM bas

Model Loss for Pull Requests

Number of stars

Number of forks

LangChainai-Langchain

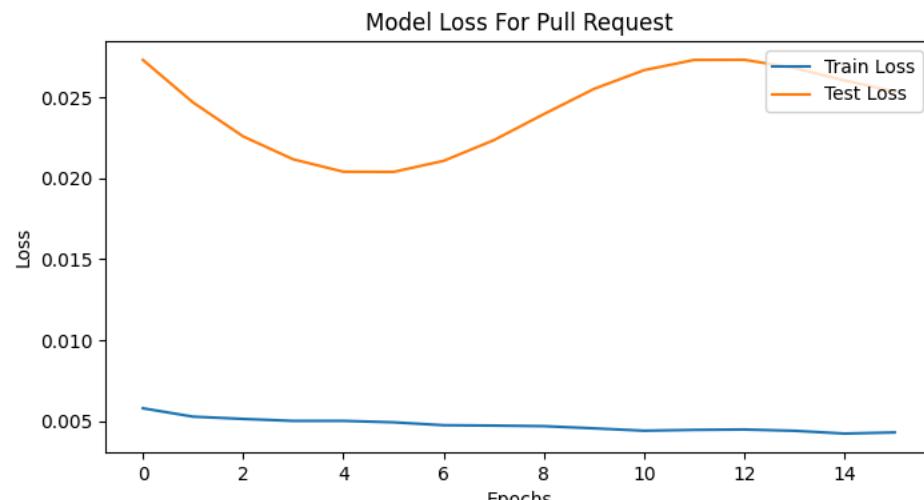
LangChainai-Langgraph

Microsoft-Autogen

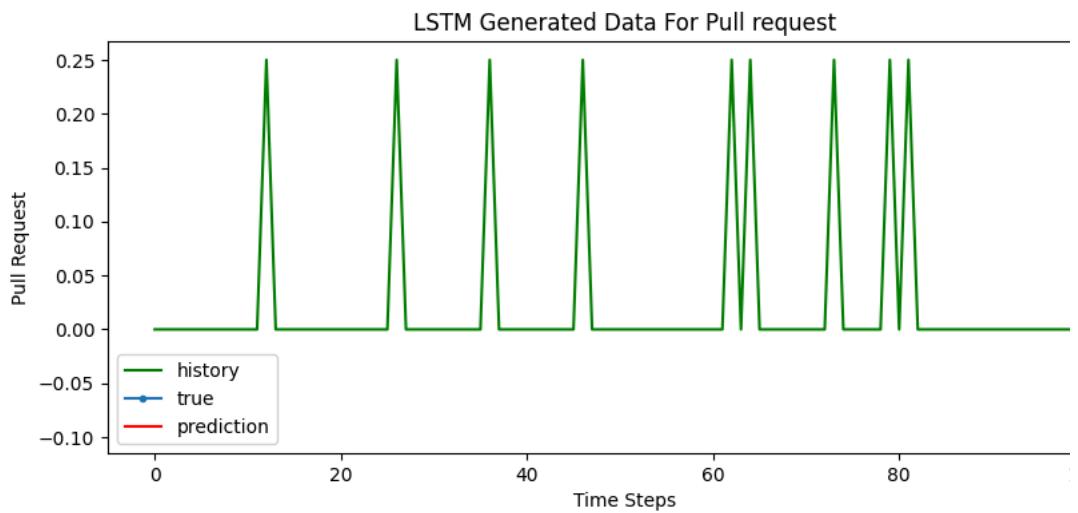
Openai-Cookbook

elasticsearch

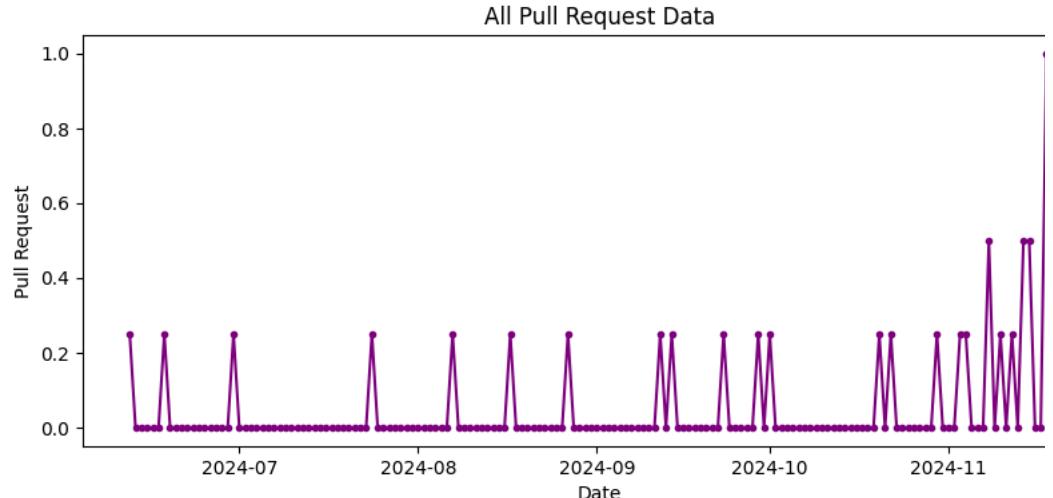
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LSTM Generated Data for Pull Requests



All Issues Data for Pull Requests



Timeseries Forecasting of Commits using Tensorflow and Keras LSTM based or
Model Loss for Commits

Number of stars

Number of forks

LangChainai-Langchain

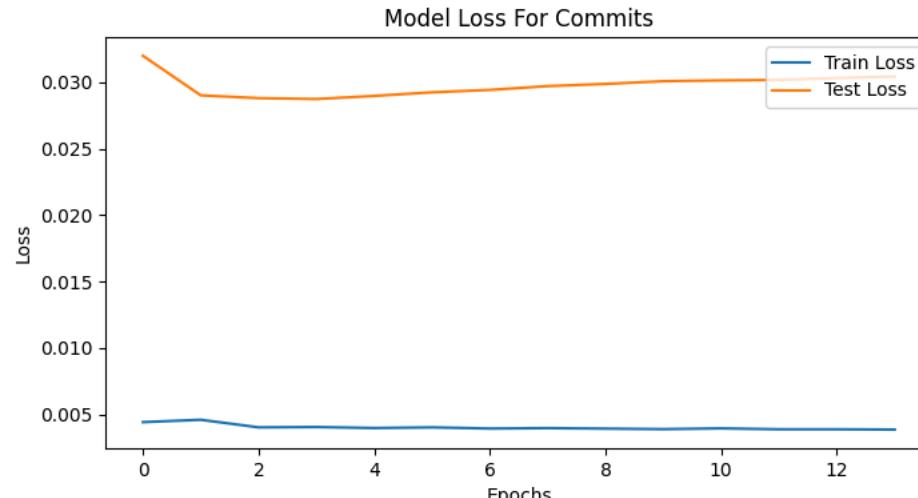
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Microsoft-Autogen

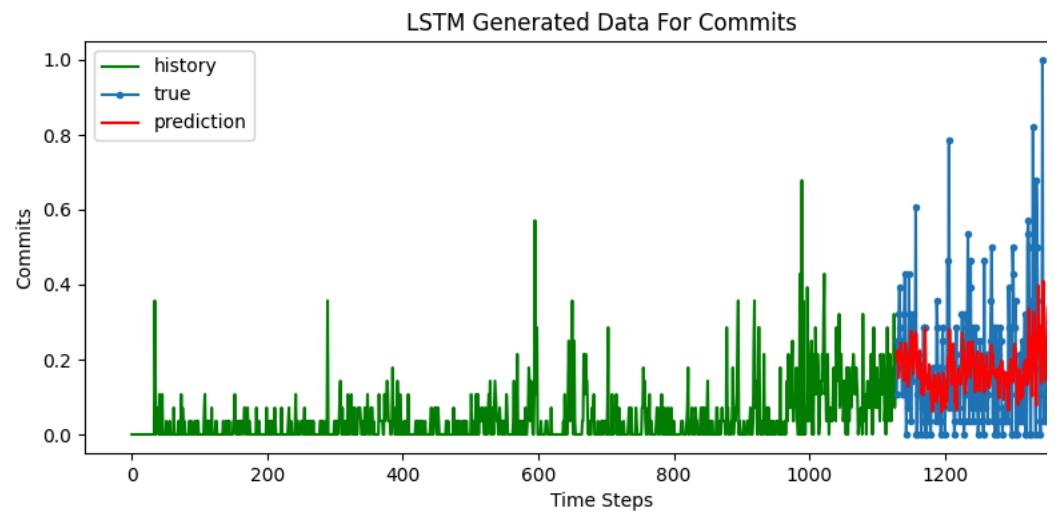
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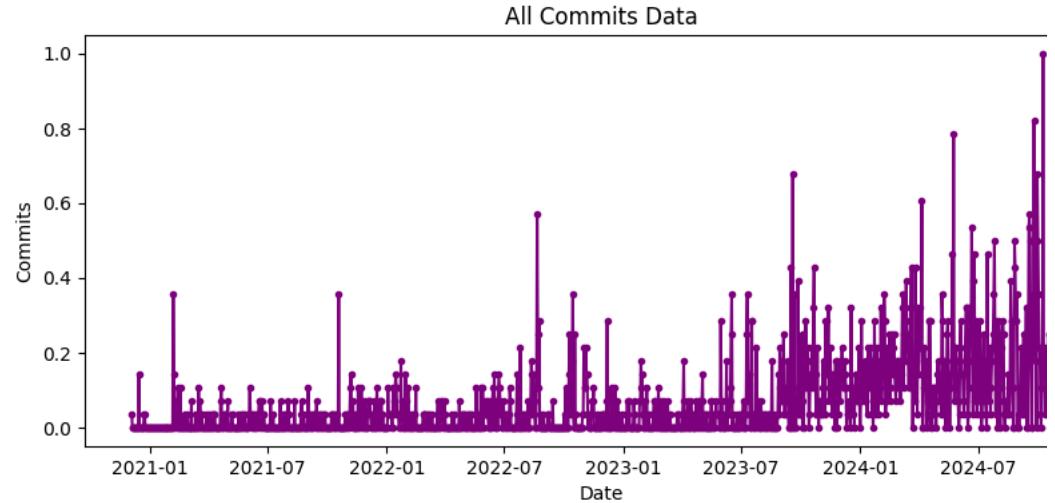
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LSTM Generated Data for Commits



All Issues Data for Commits



Timeseries Forecasting of Created Issues using Facebook/Prophet based on past data
Forecast of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

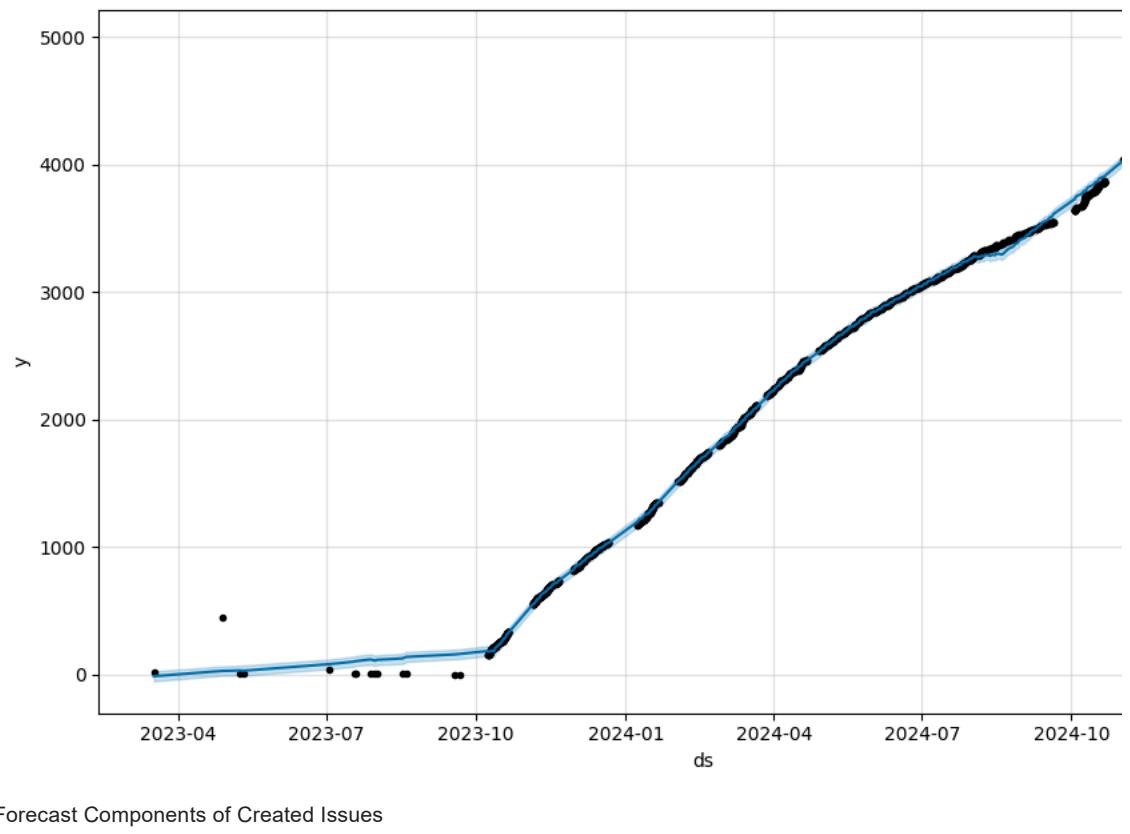
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Forecast Components of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

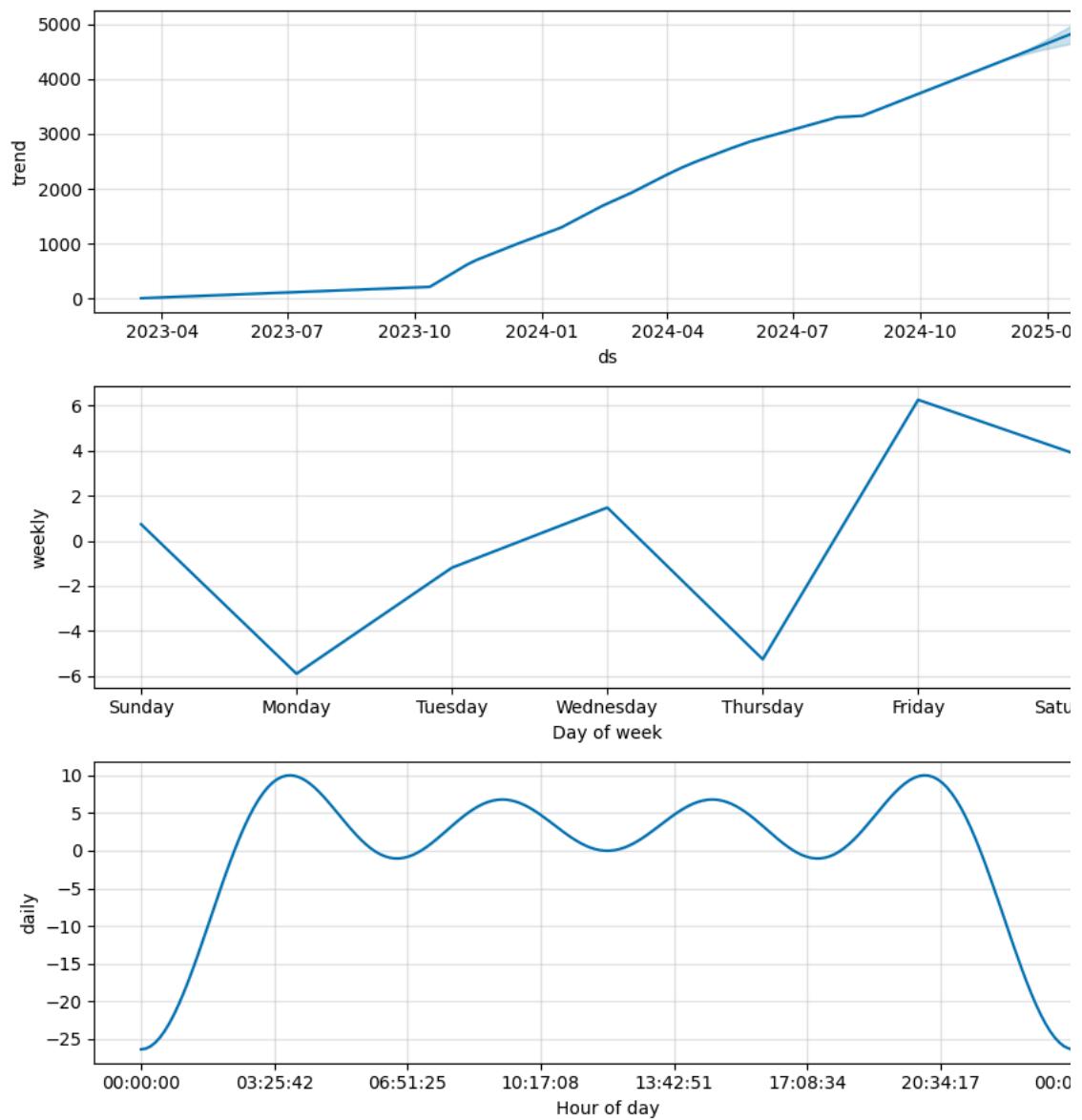
LangChainai-Langgraph

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Timeseries Forecasting of Closed Issues using Facebook/Prophet based on past
Forecast of Closed Issues

Number of stars

Number of forks

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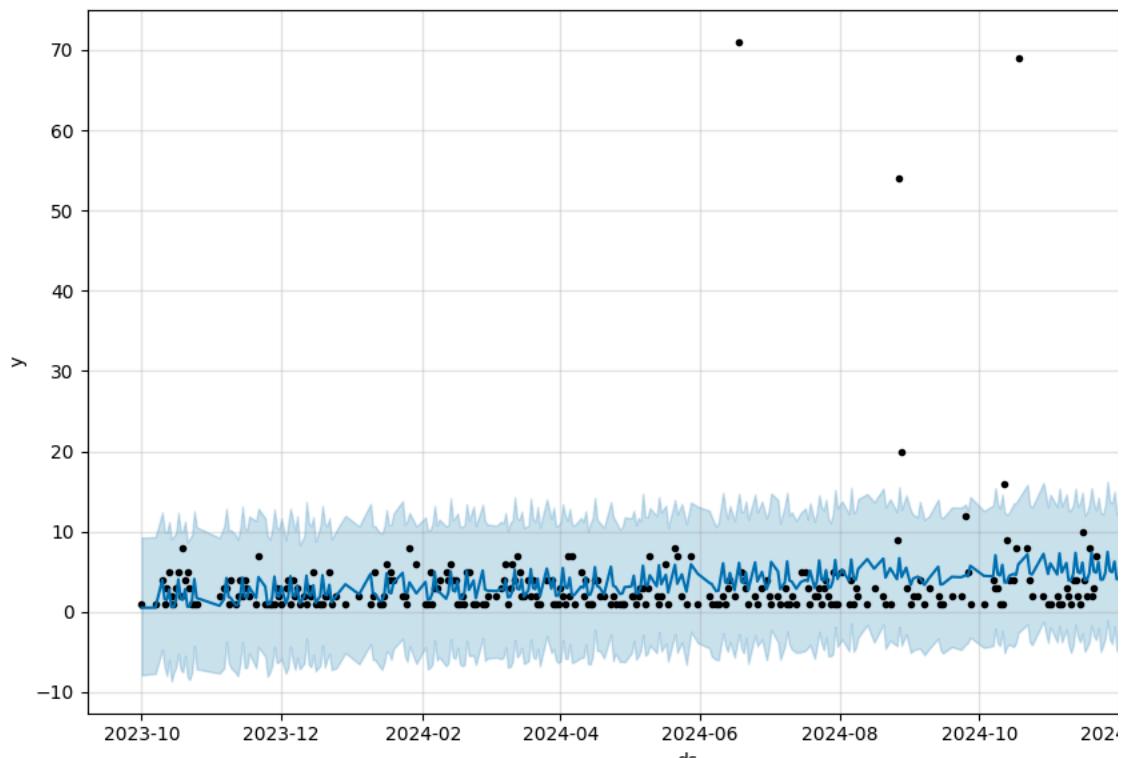
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Forecast Components of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

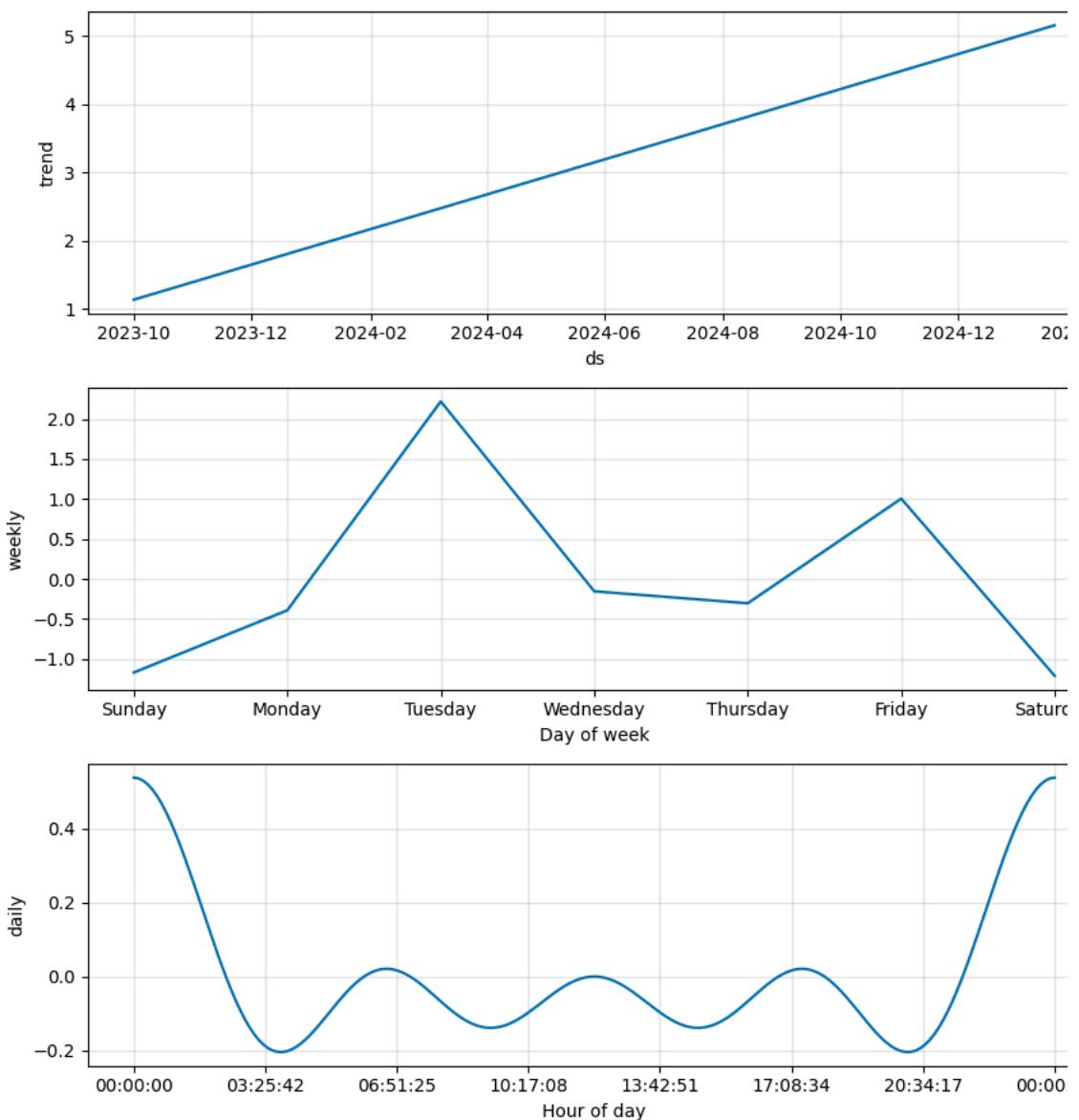
LangChainai-Langgraph

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Timeseries Forecasting of Pull Request using Facebook/Prophet based on past

Forecast of Pull Request



Forecast Components of Pull Request



Timeseries Forecasting of Commits using Facebook/Prophet based on past mor

Forecast of Commits

Number of stars

Number of forks

LangChainai-Langchain

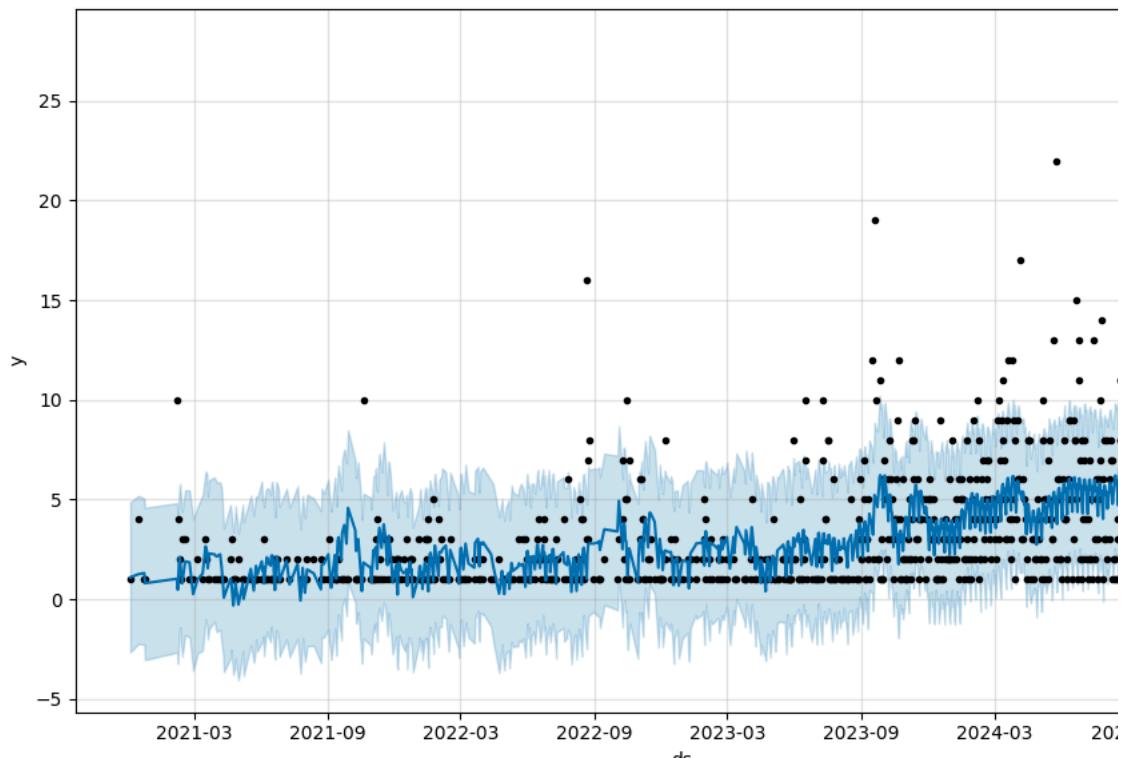
LangChainai-Langgraph

Microsoft-Autogen

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Forecast Components of Commits

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

Microsoft-Autogen

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Timeseries Forecasting of Created Issues using StatsModel based on past month

Observation Graph of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

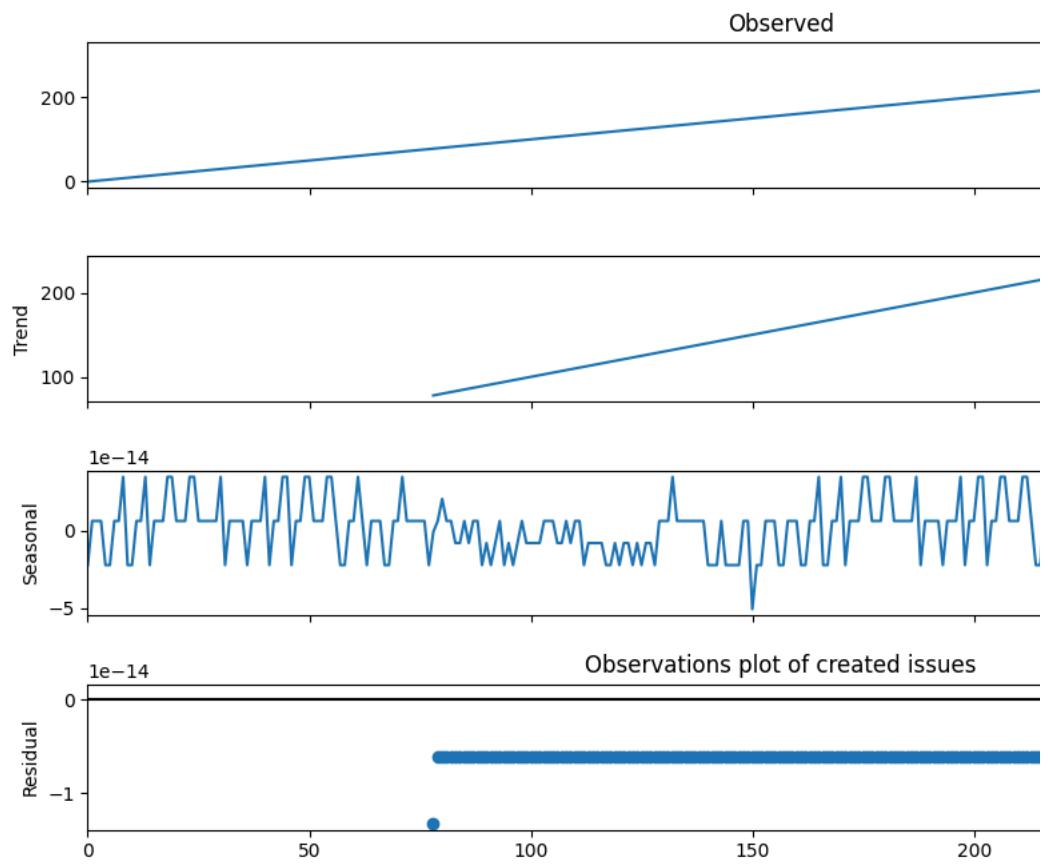
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Openai-Cookbook

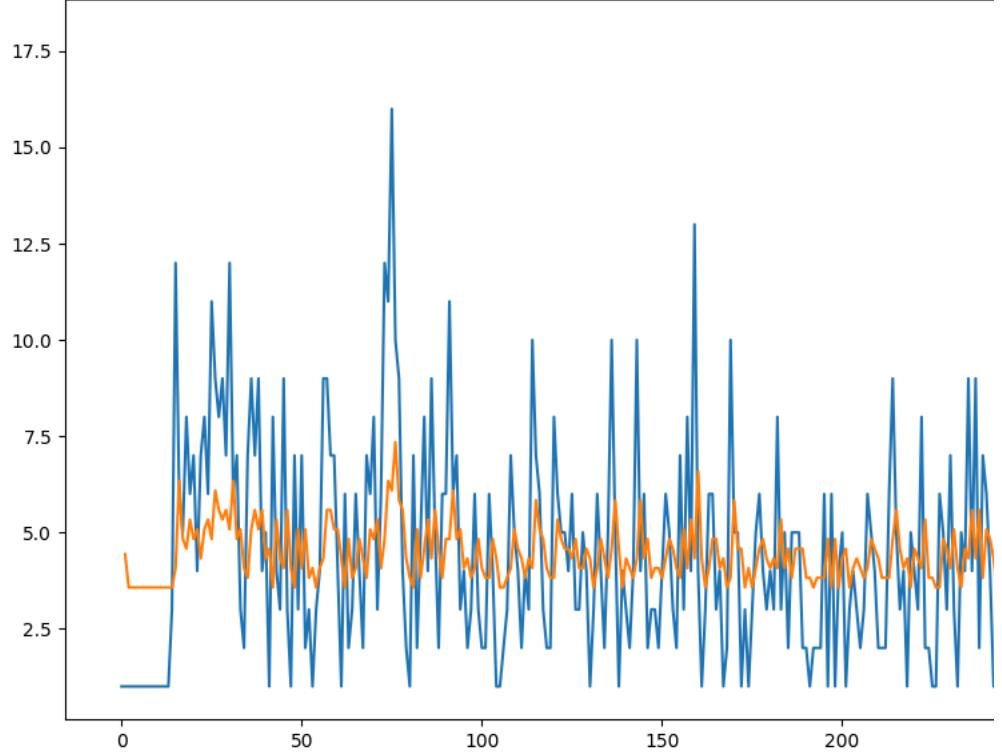
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Time Series Forecasting of Created Issues

Timeseries forecasting of created issues



Timeseries Forecasting of Closed Issues using StatsModel based on past month

Observation Graph of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

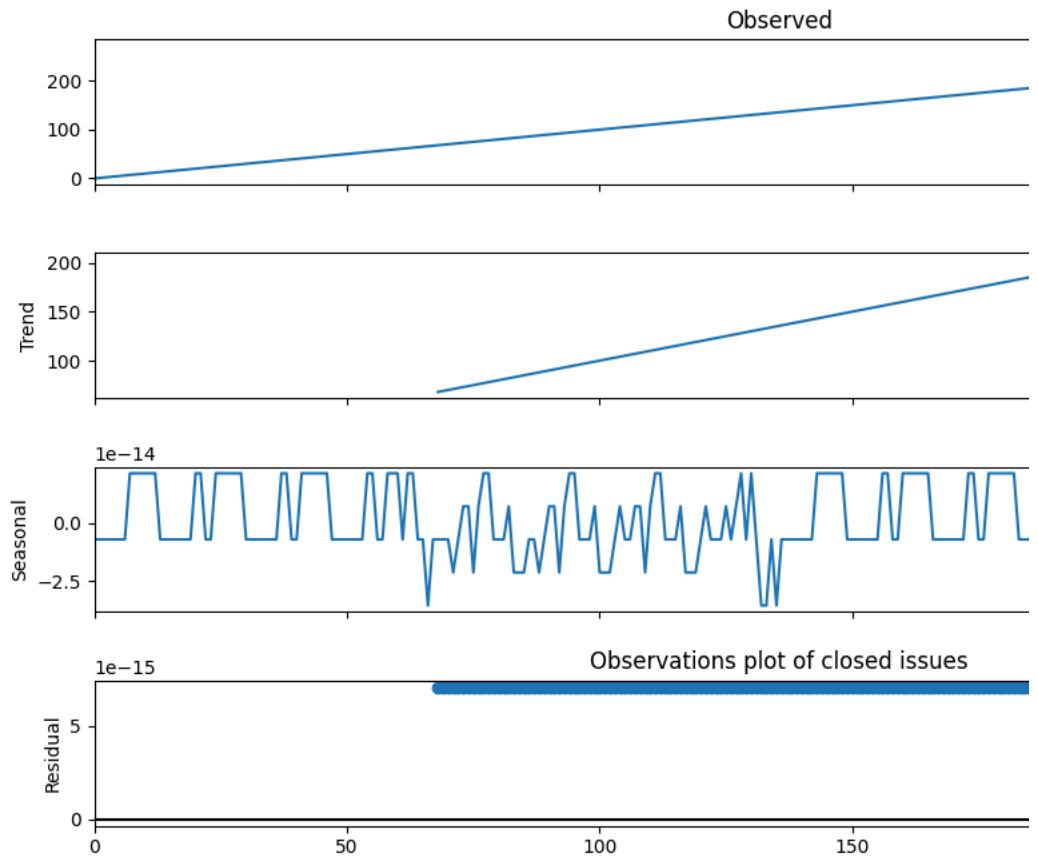
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

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Time Series Forecasting of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

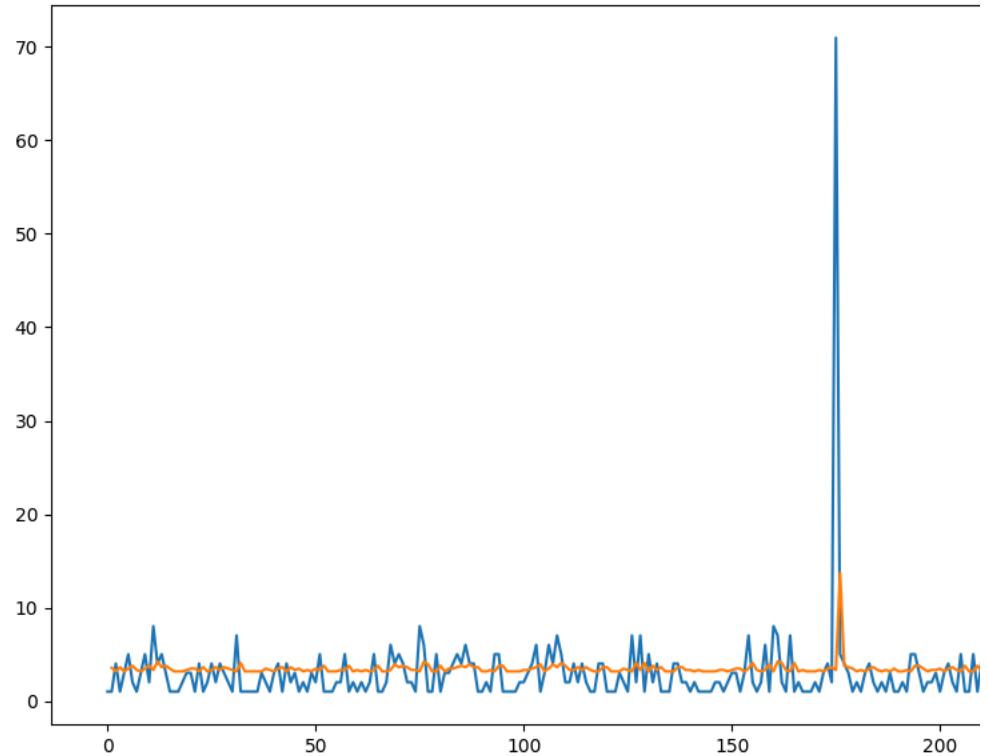
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Timeseries forecasting of closed issues



Timeseries Forecasting of Pull Request Issues using StatsModel based on past

Observation Graph of Pull Request Issues

Number of stars

Number of forks

LangChainai-Langchain

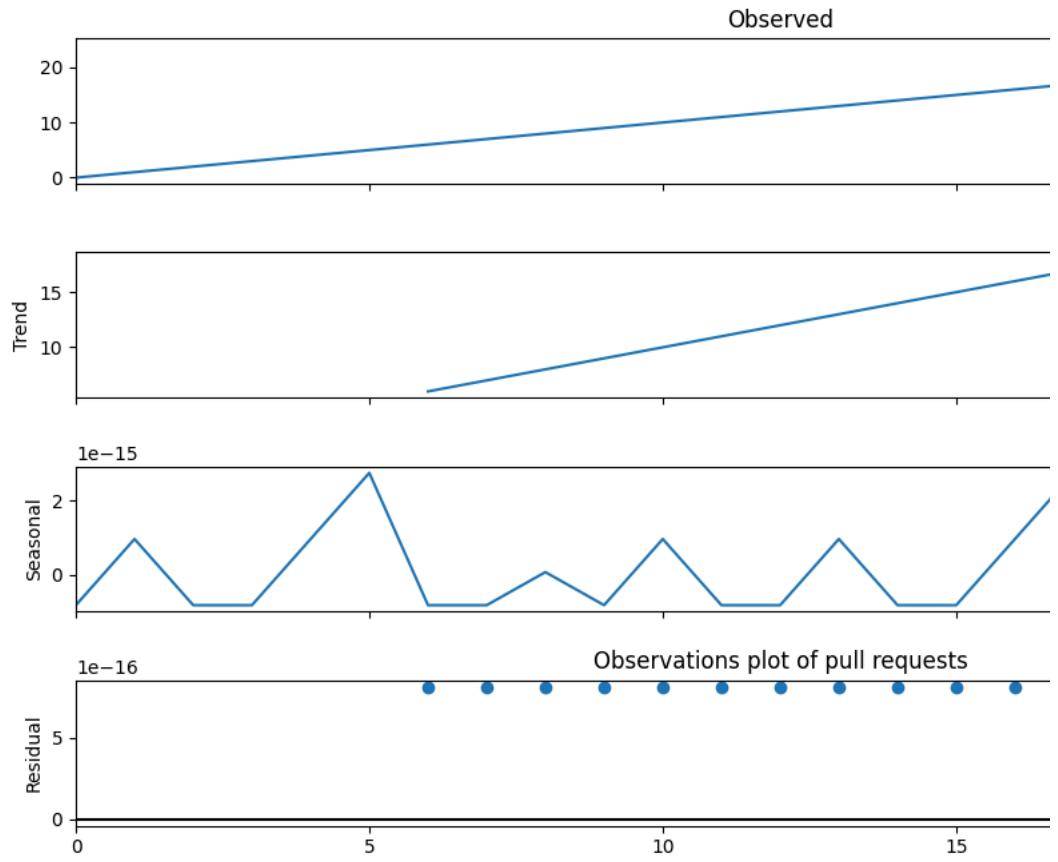
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Microsoft-Autogen

Openai-Cookbook

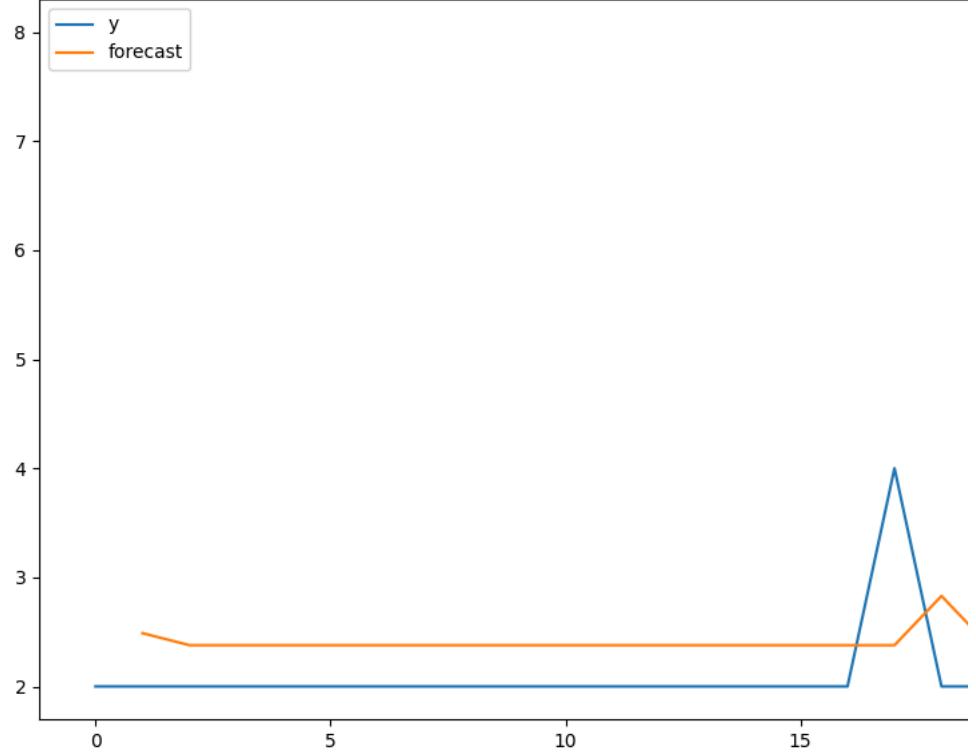
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Time Series Forecasting of Pull Request Issues

Timeseries forecasting of pull requests



Timeseries Forecasting of Commits Issues using StatsModel based on past more

Observation Graph of Commits Issues

Number of stars

Number of forks

LangChainai-Langchain

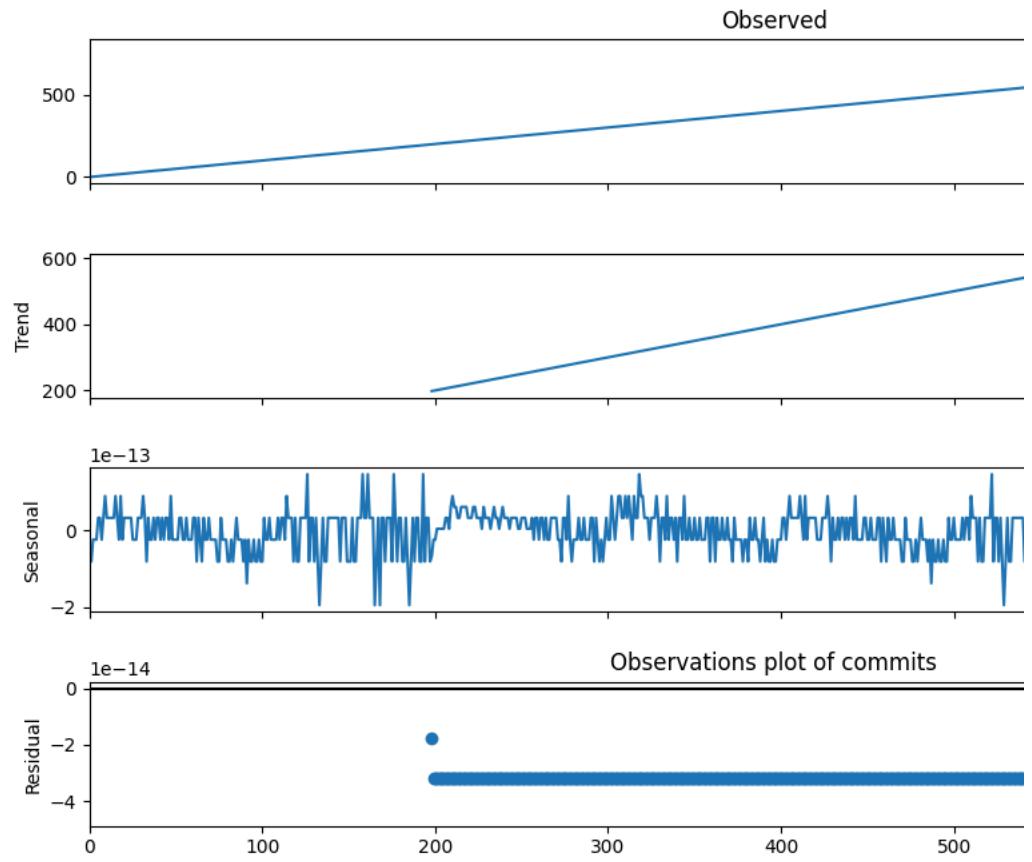
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

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Time Series Forecasting of Commits Issues

Timeseries forecasting of commits

Number of stars

Number of forks

LangChainai-Langchain

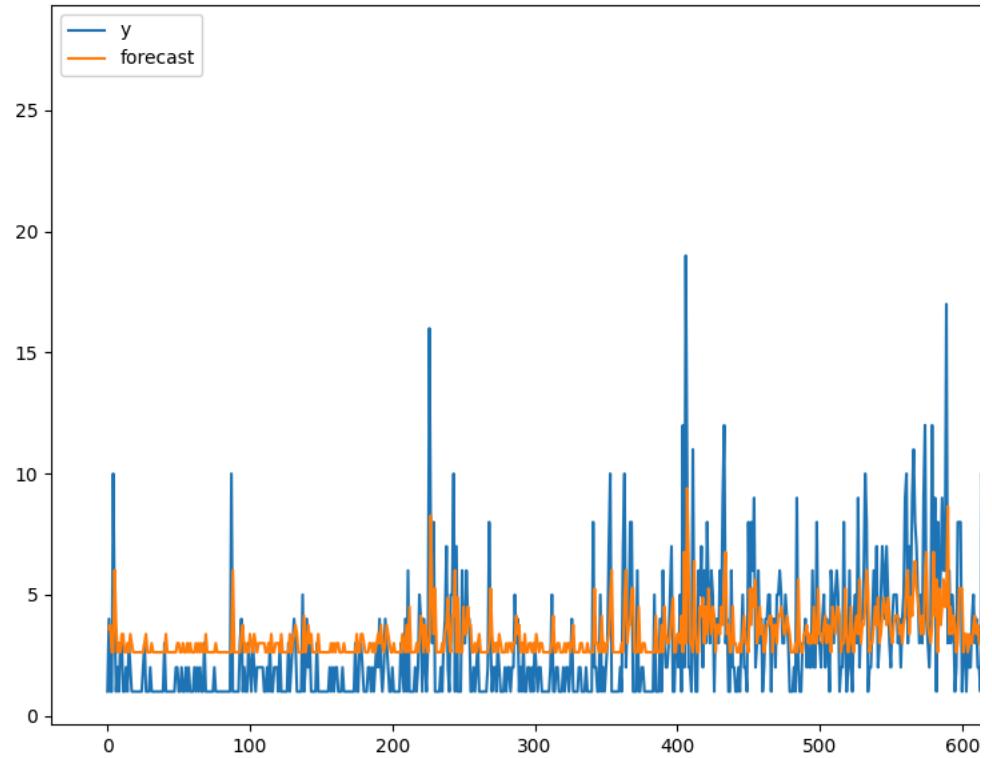
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

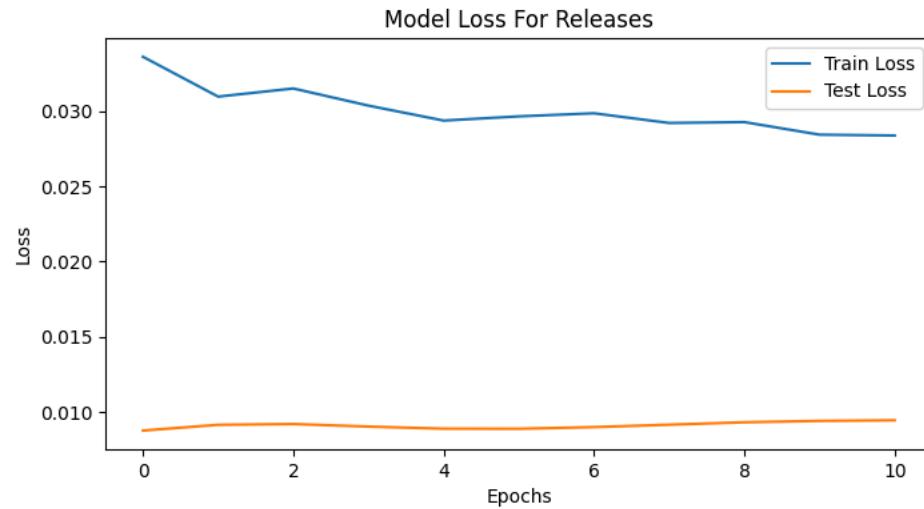
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Timeseries Forecasting of Releases using Tensorflow and Keras LSTM

Model Loss for Releases



LSTM Generated Data for Releases

Number of stars

Number of forks

LangChainai-Langchain

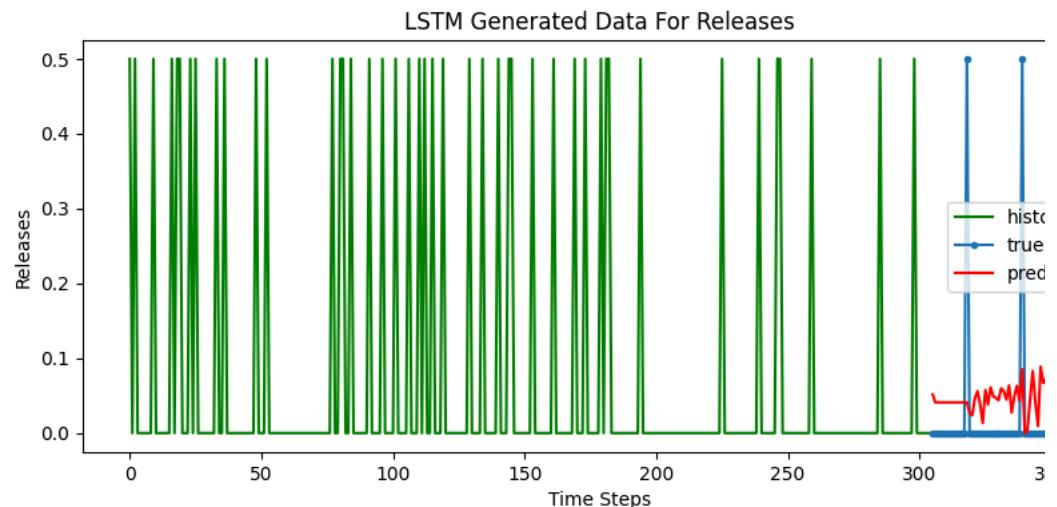
LangChainai-Langgraph

Microsoft-Autogen

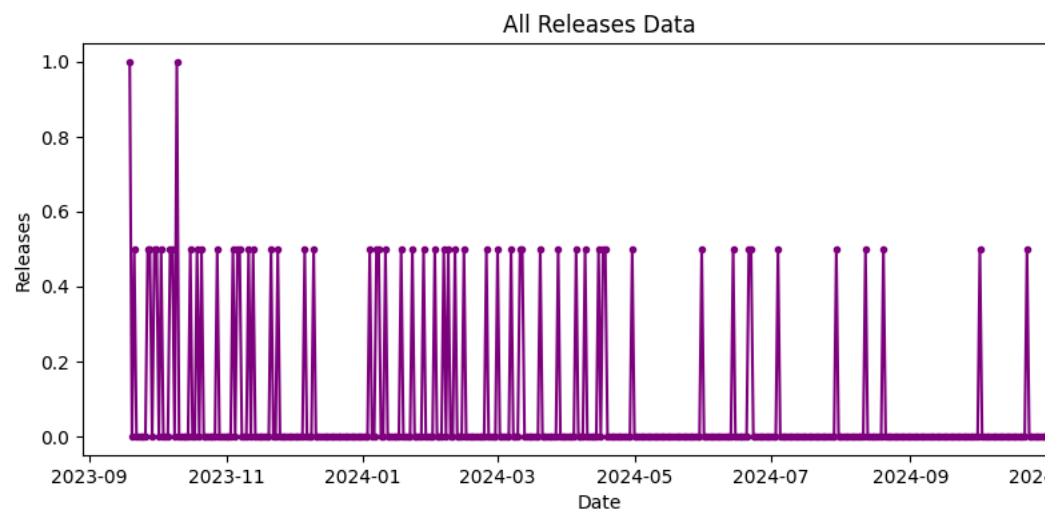
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All Issues Data for Releases



Timeseries Forecasting of Release using StatsModel

Observation Graph of Release Issues

Number of stars

Number of forks

LangChainai-Langchain

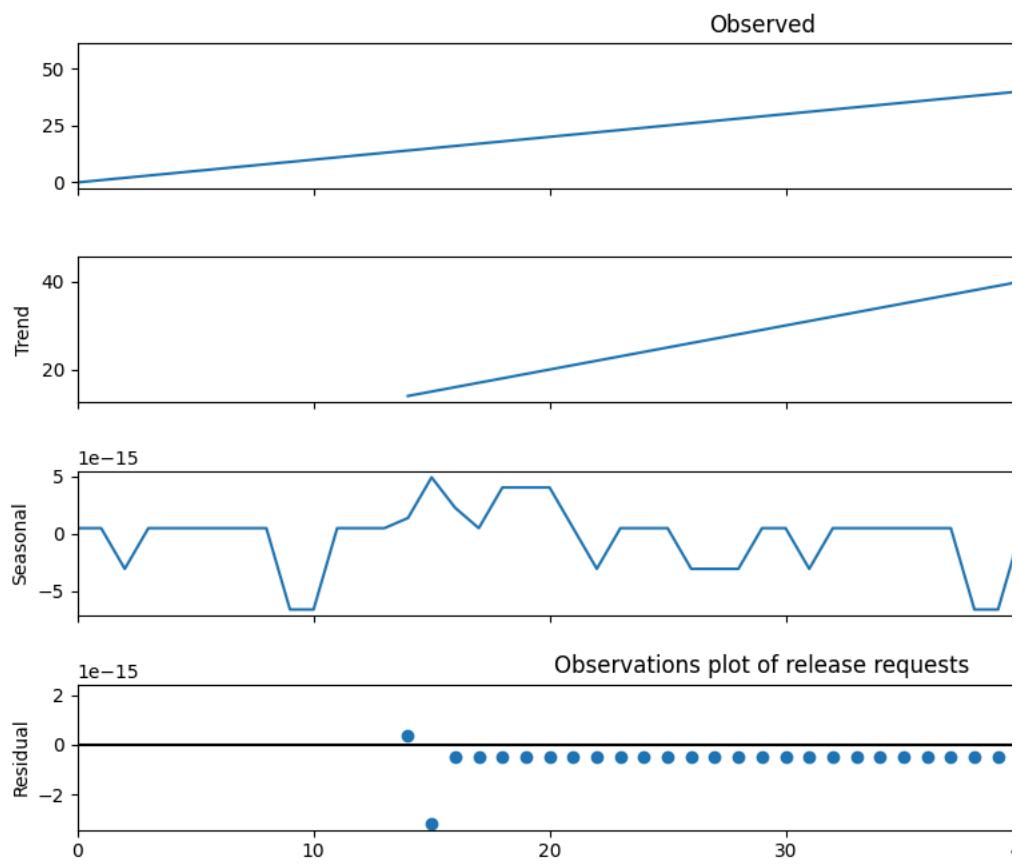
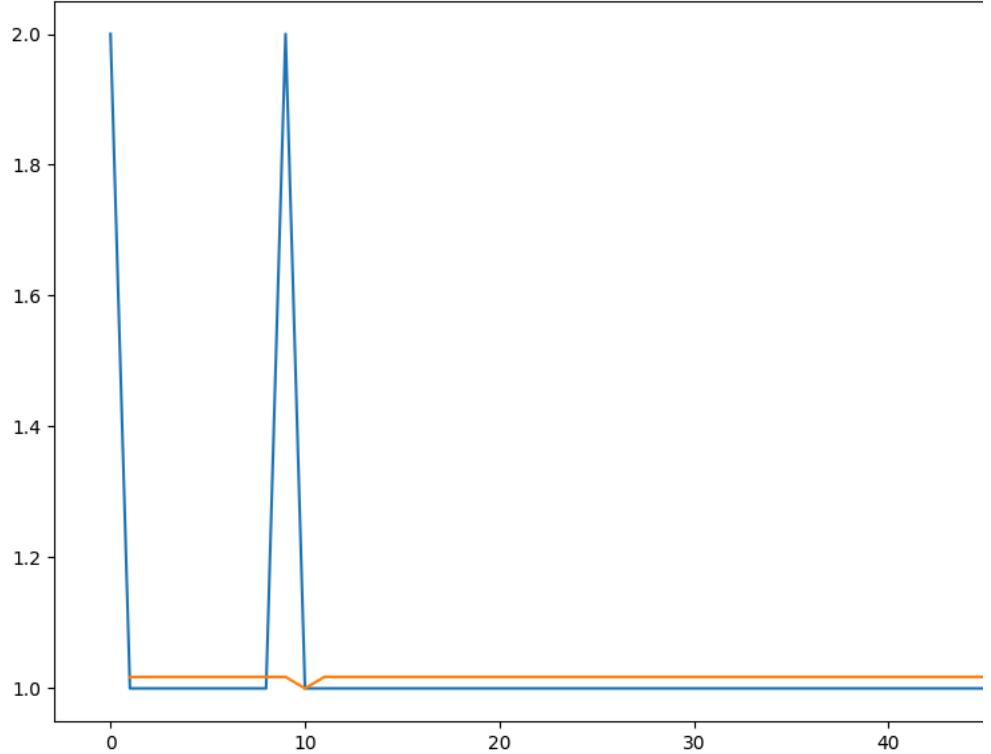
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

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**Timeseries forecasting of release requests**

Timeseries Forecasting of Release using Facebook/Prophet

No Release Data available for the repository

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

Microsoft-Autogen

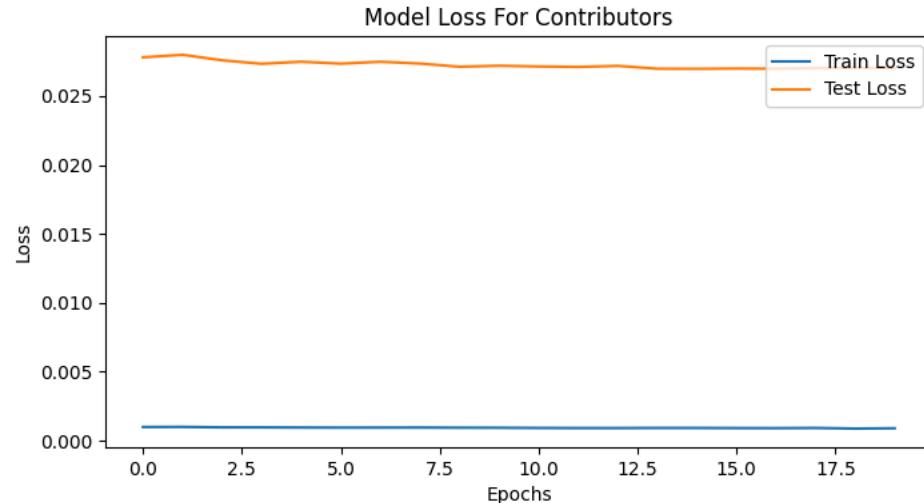
Openai-Cookbook

elasticsearch

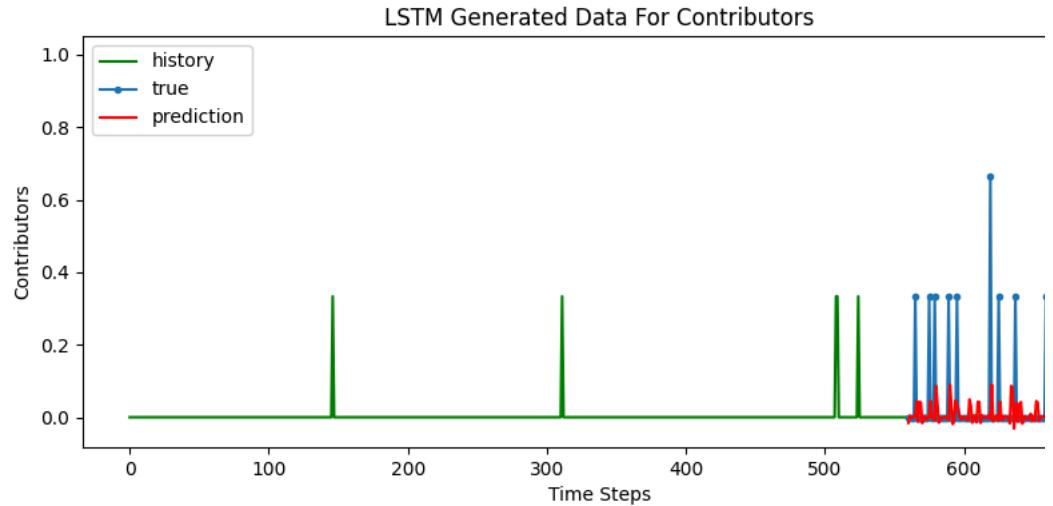
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Timeseries Forecasting of Contributors using Tensorflow and Keras LSTM

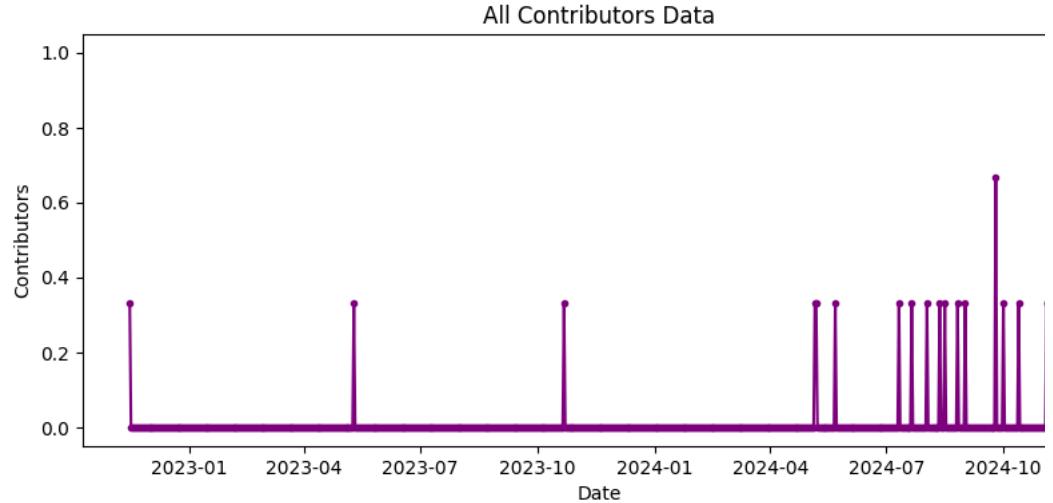
Model Loss for Contributors



LSTM Generated Data for Contributors



All Issues Data for Contributors



Timeseries Forecasting of Contributors using StatsModel

Observation Graph of Contributors

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

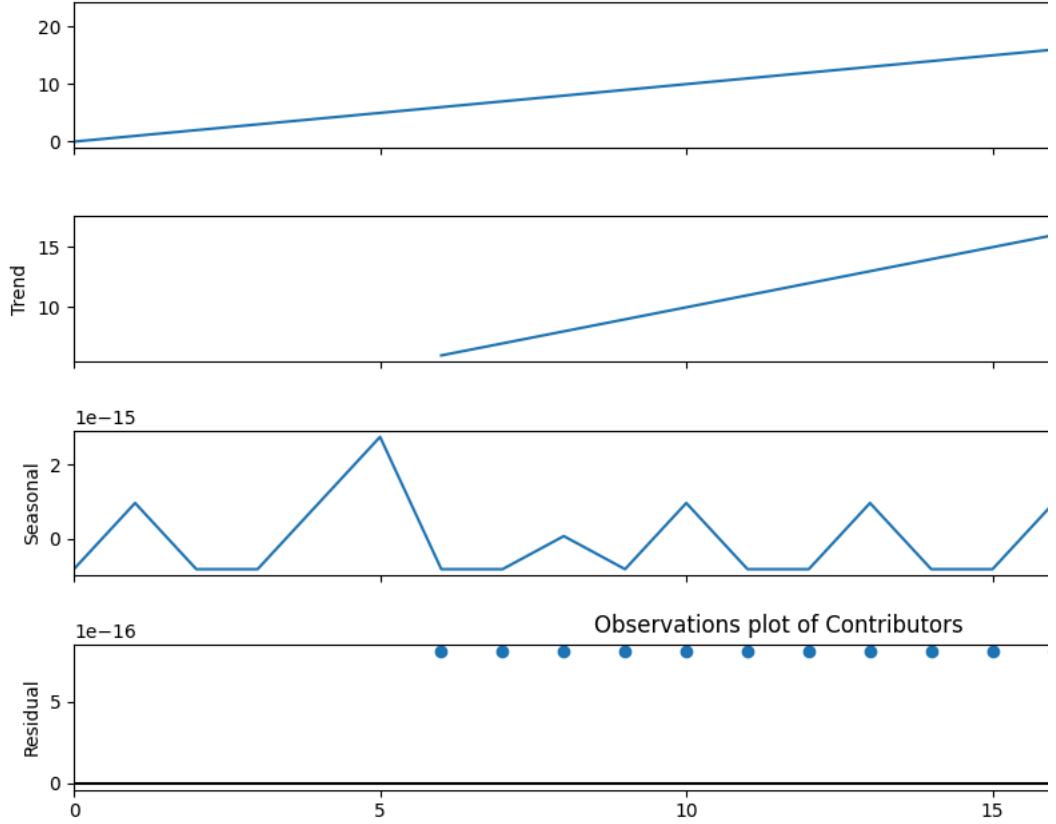
Microsoft-Autogen

Openai-Cookbook

elasticsearch

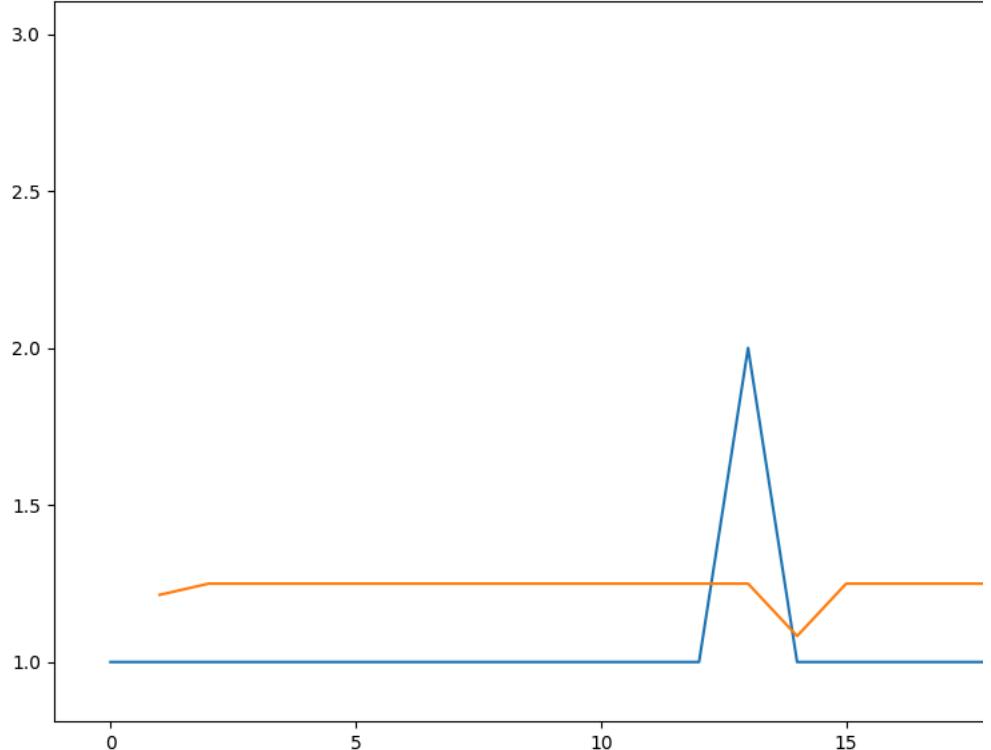
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Observed



Time Series Forecasting of Contributors

Timeseries forecasting of Contributors



Timeseries Forecasting of Contributors using Facebook/Prophet

Forecast of Contributors

Number of stars

Number of forks

LangChainai-Langchain

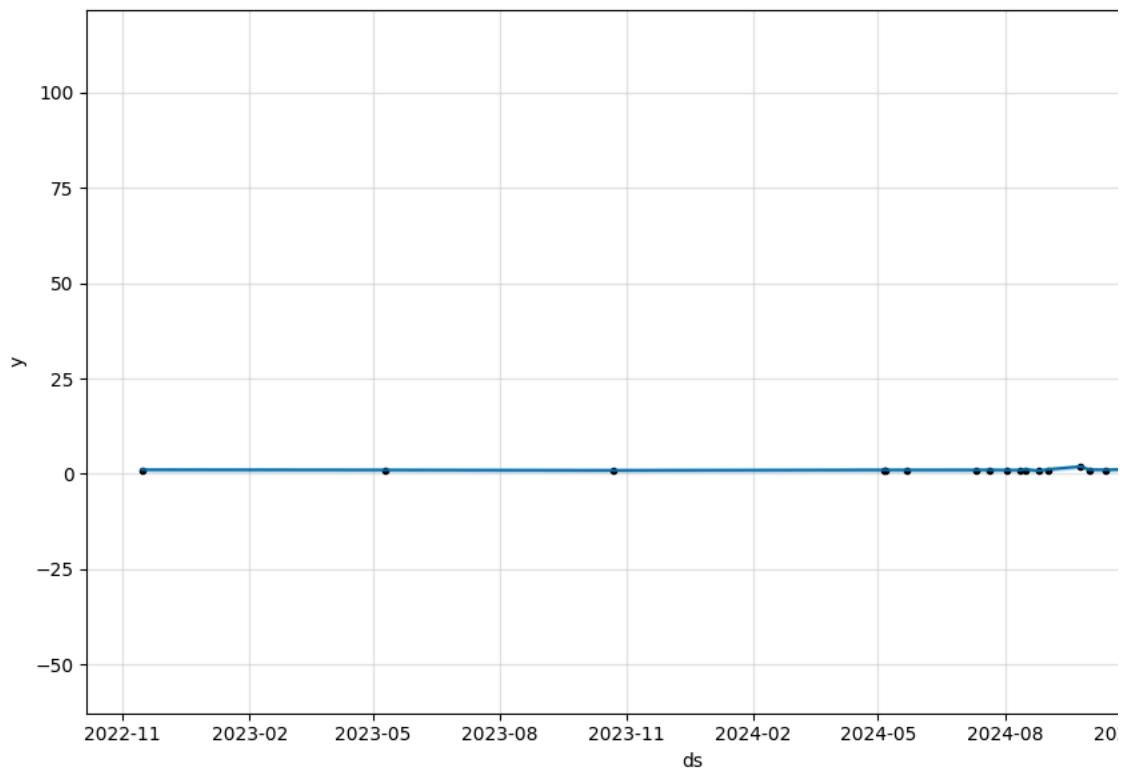
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

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Forecast Components of Contributors

Number of stars

Number of forks

LangChainai-Langchain

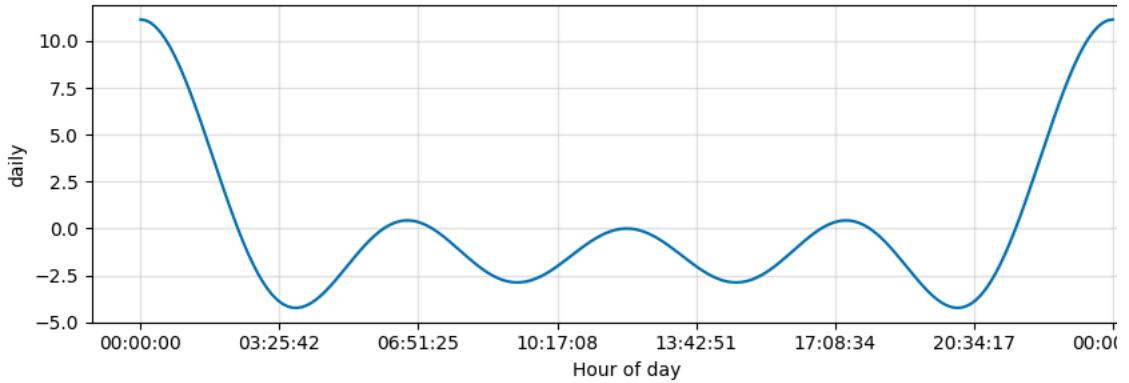
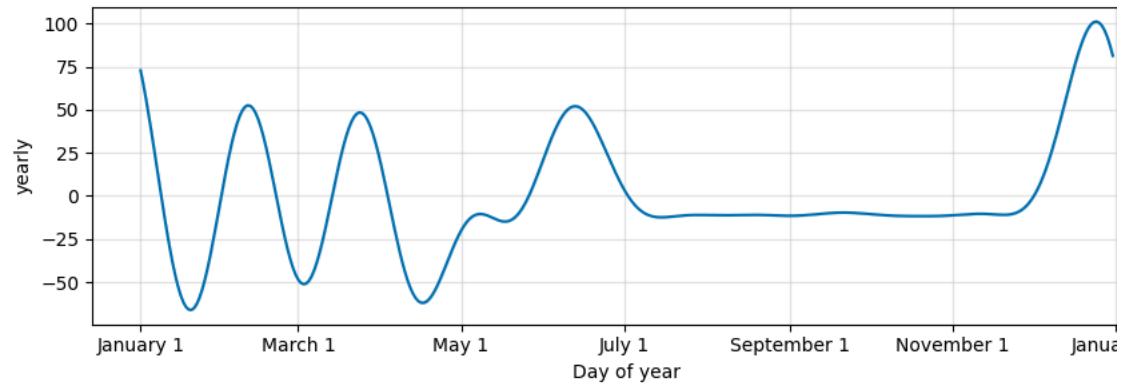
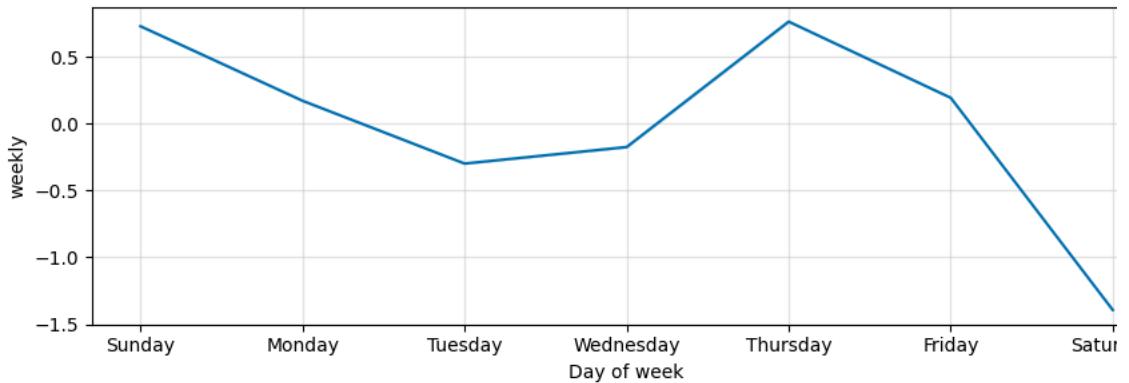
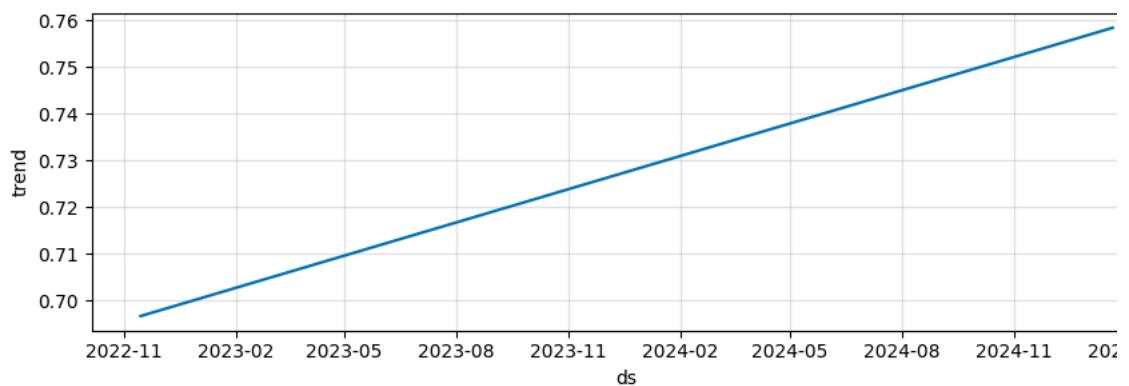
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

Pymilvus



Timeseries Forecasting of Branches using Tensorflow and Keras LSTM

Model Loss for Branches

Number of stars

Number of forks

LangChainai-Langchain

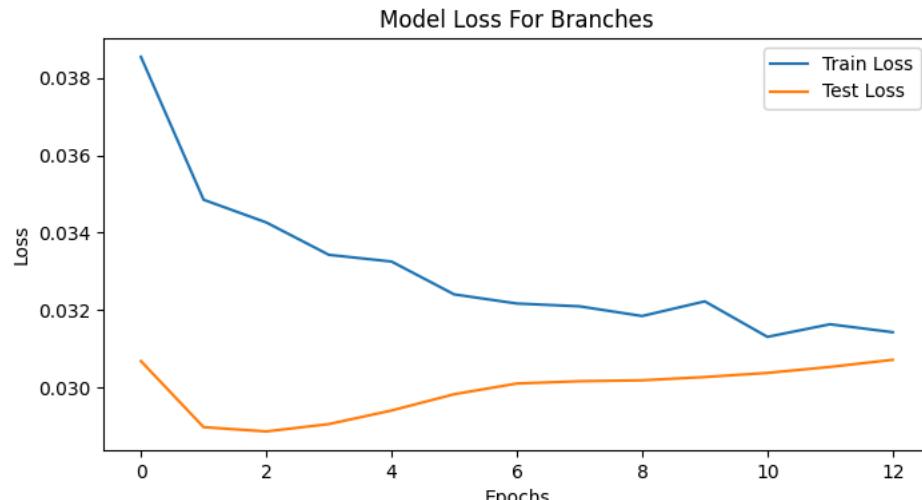
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Microsoft-Autogen

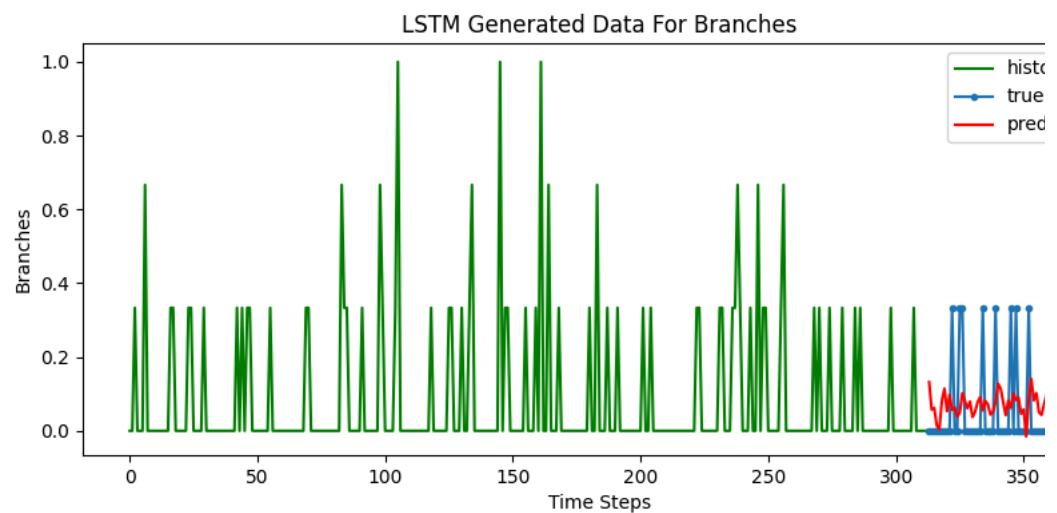
Openai-Cookbook

elasticsearch

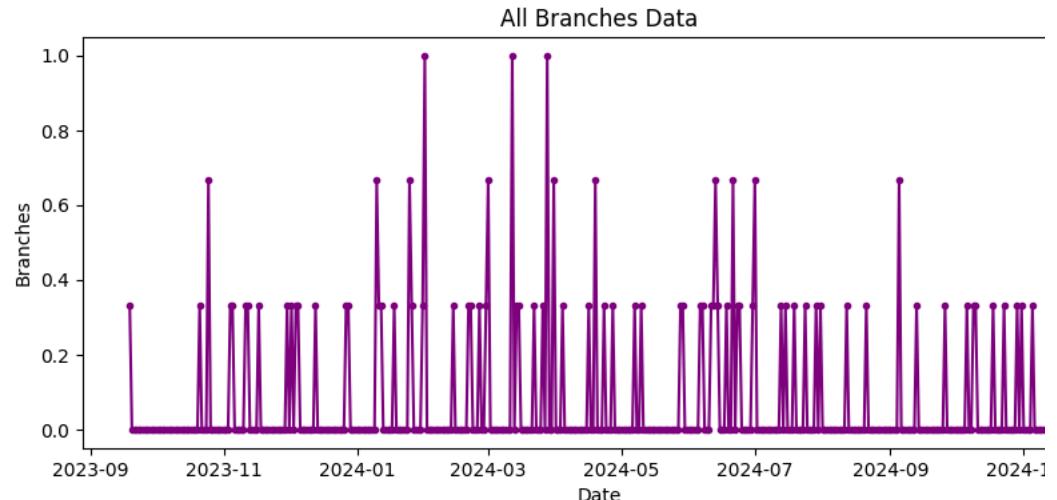
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LSTM Generated Data for Branches



All Issues Data for Branches

**Timeseries Forecasting of Branches using StatsModel**

Observation Graph of Branches

Number of stars

Number of forks

LangChainai-Langchain

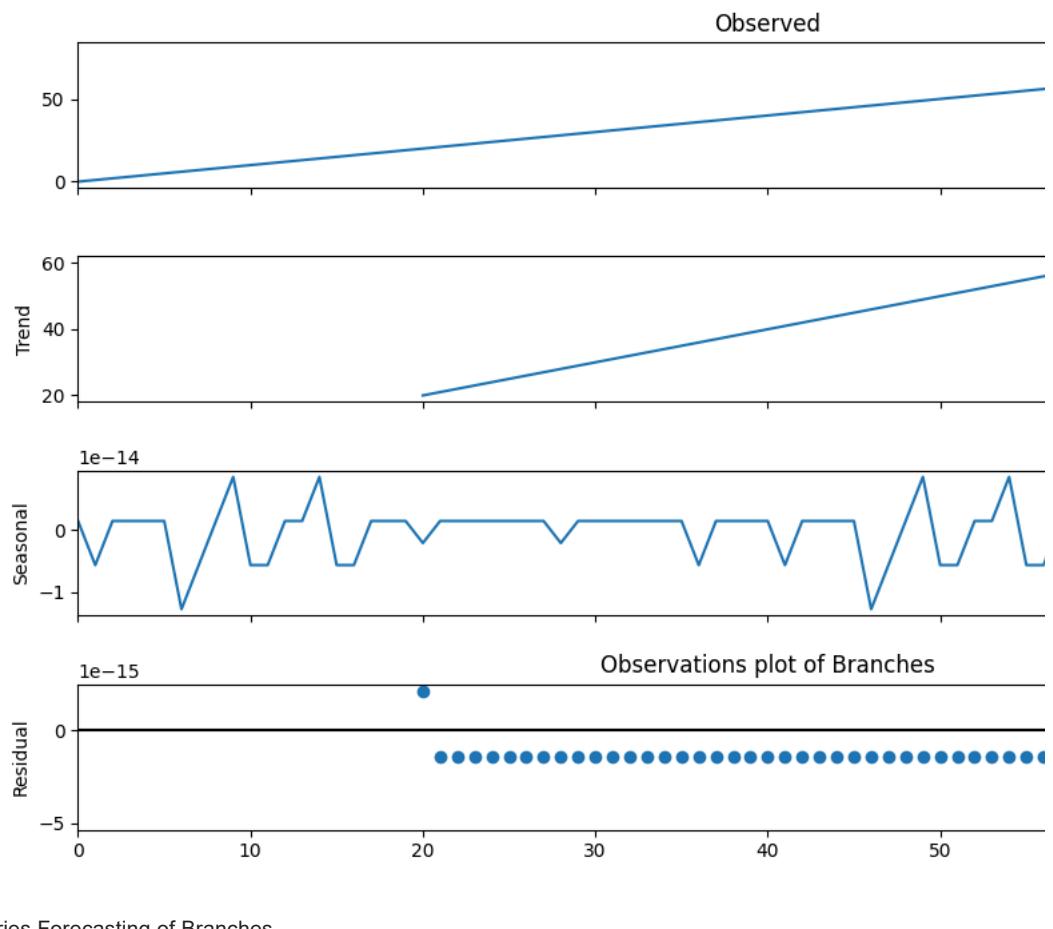
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Microsoft-Autogen

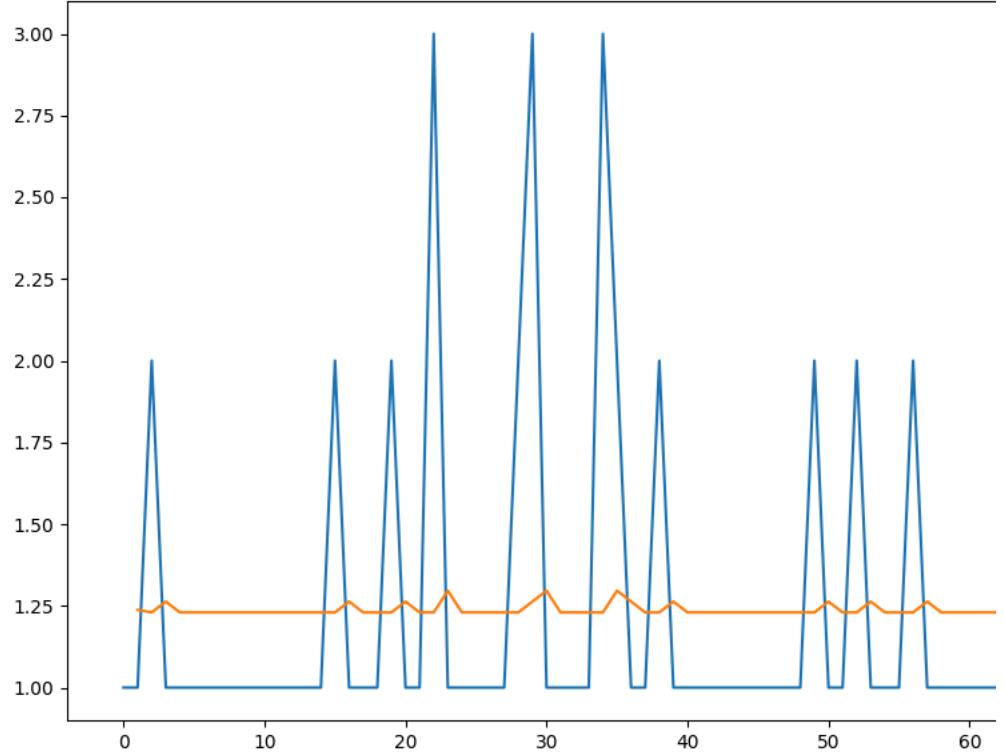
Openai-Cookbook

elasticsearch

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Timeseries forecasting of Branches



Timeseries Forecasting of Branches using Facebook/Prophet

Forecast of Branches

Number of stars

Number of forks

LangChainai-Langchain

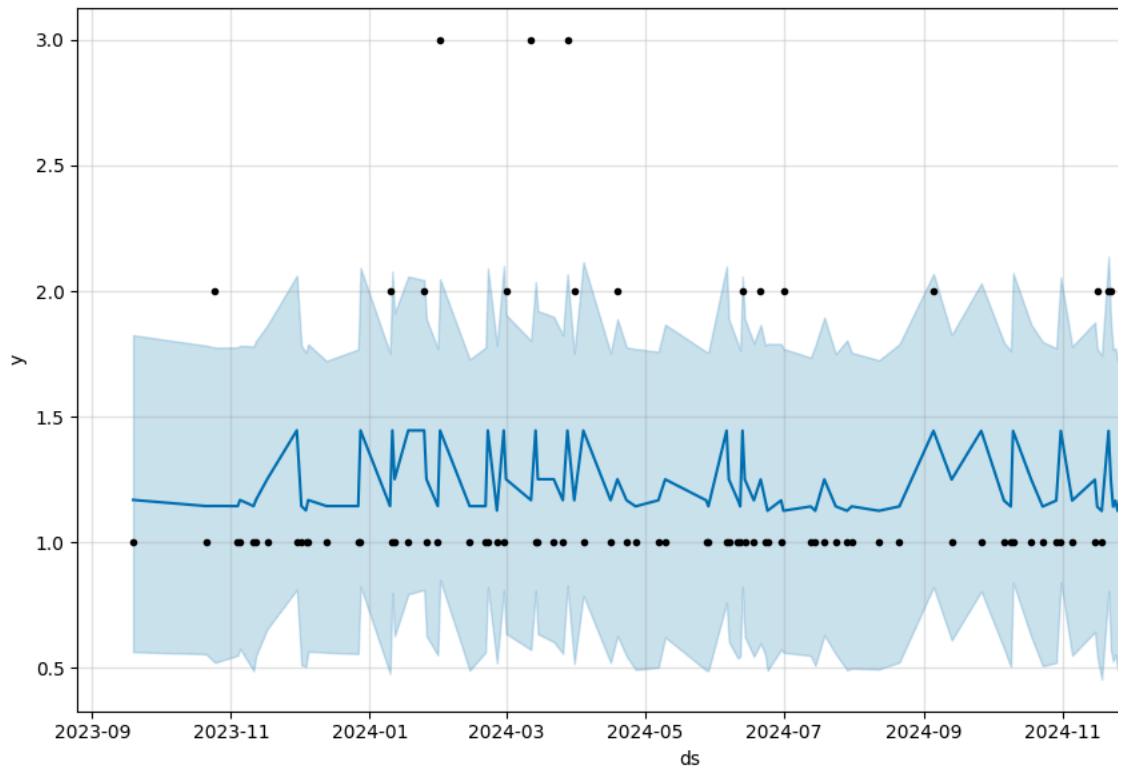
LangChainai-Langgraph

Microsoft-Autogen

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Forecast Components of Branches

Number of stars

Number of forks

LangChainai-Langchain

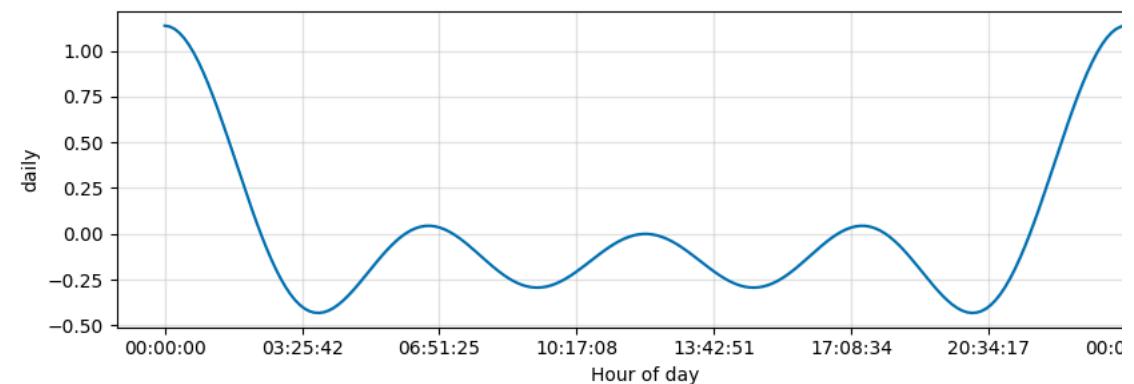
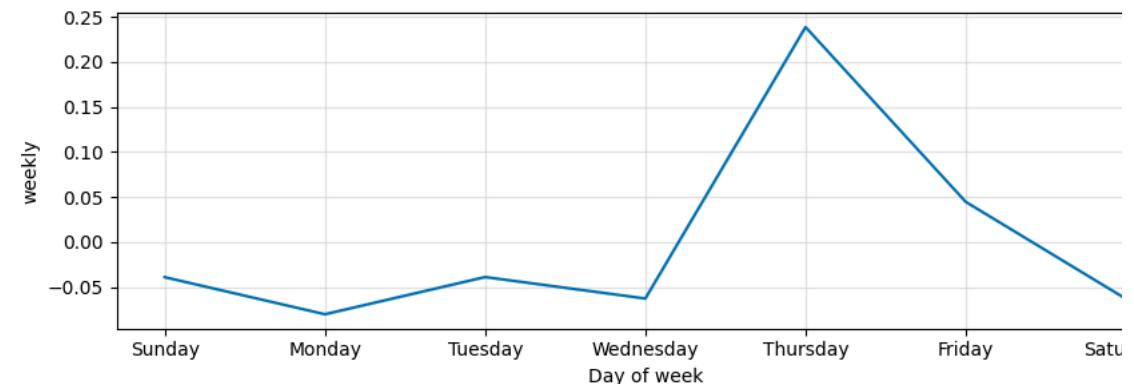
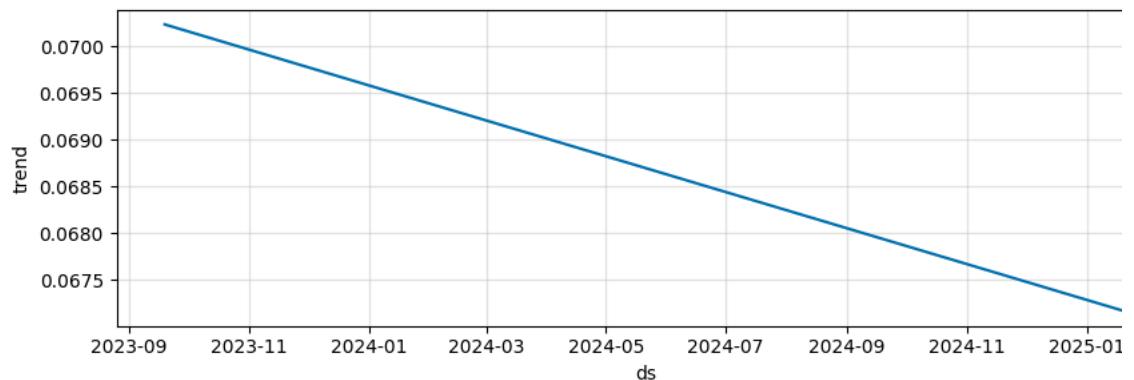
LangChainai-Langgraph

Microsoft-Autogen

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Timeseries Forecasting by Nency patel - Assignment 5 Part 1

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

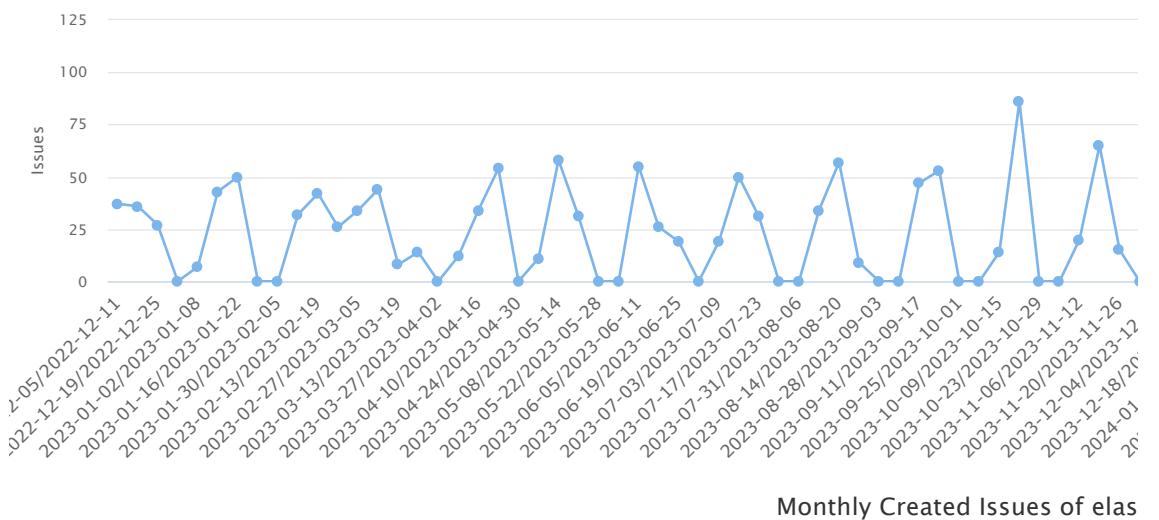
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Openai-Cookbook

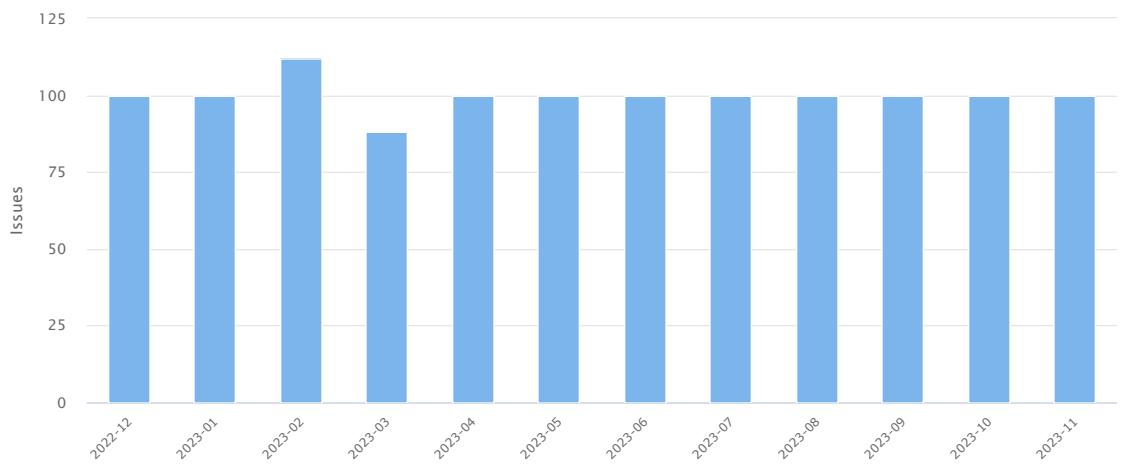
elasticsearch

Pymilvus

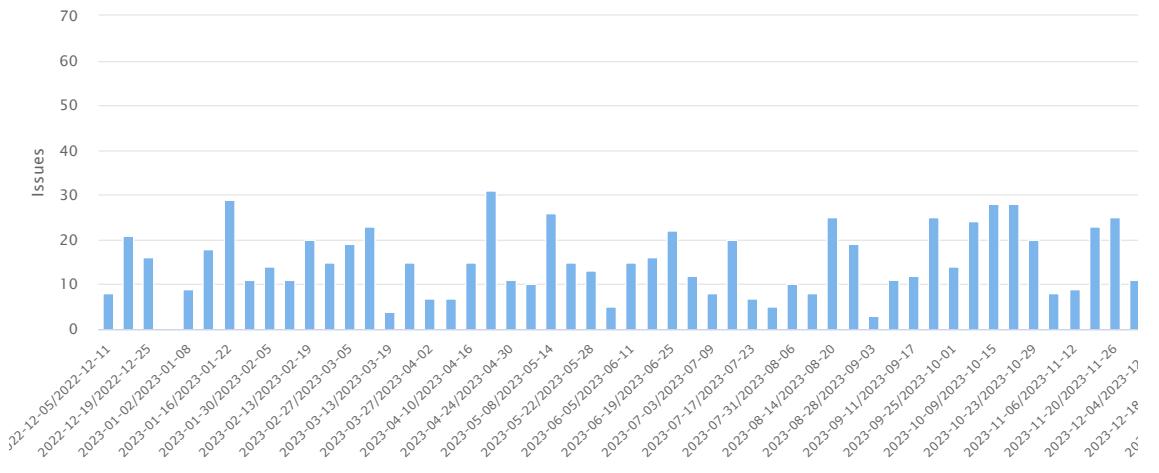
Issues of elasticsearch



Monthly Created Issues of elas



Weekly Closed Issues of elasti



Created and Closed Issues of elasticsearch

Number of stars

Number of forks

LangChainai-Langchain

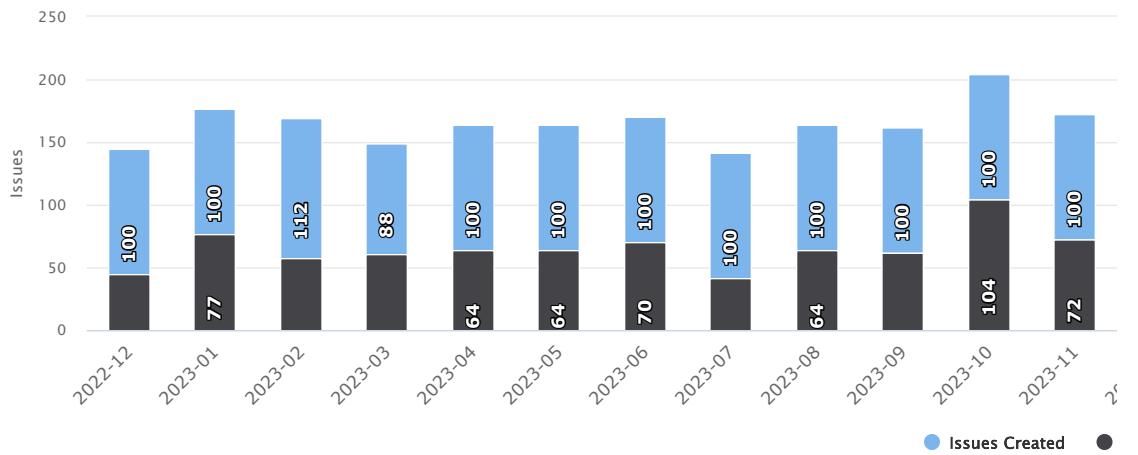
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Microsoft-Autogen

Openai-Cookbook

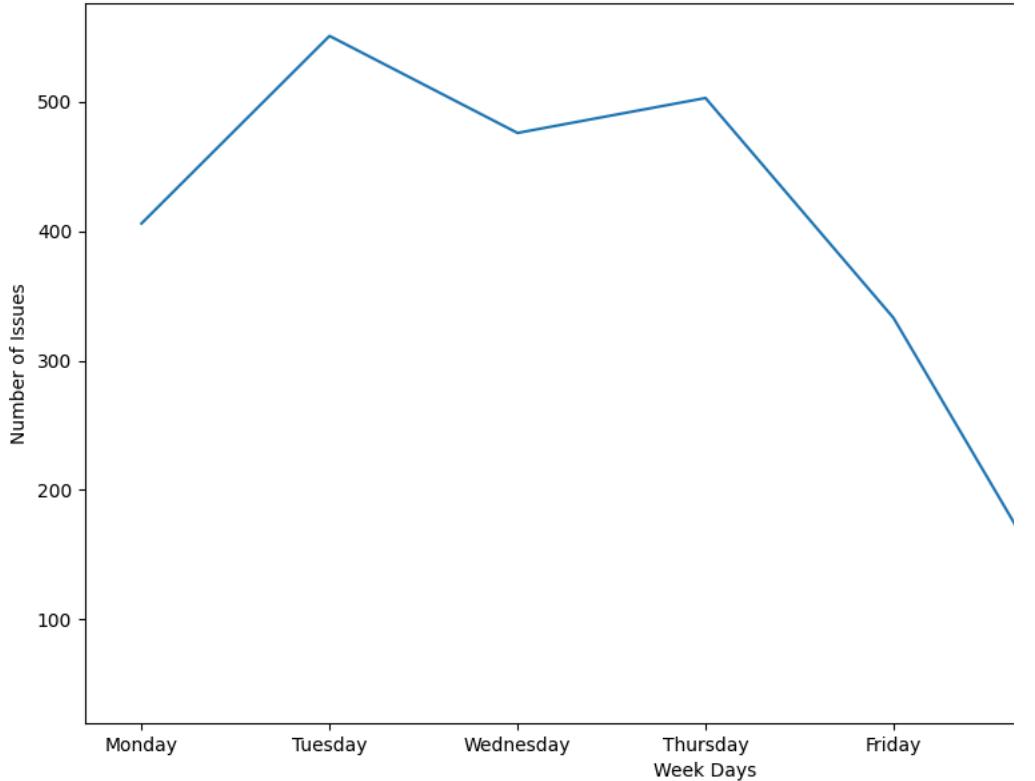
elasticsearch

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The day of the week maximum number of issues created

Number of Issues Created for particular Week Days.



The day of the week maximum number of issues Closed

Number of stars

Number of forks

LangChainai-Langchain

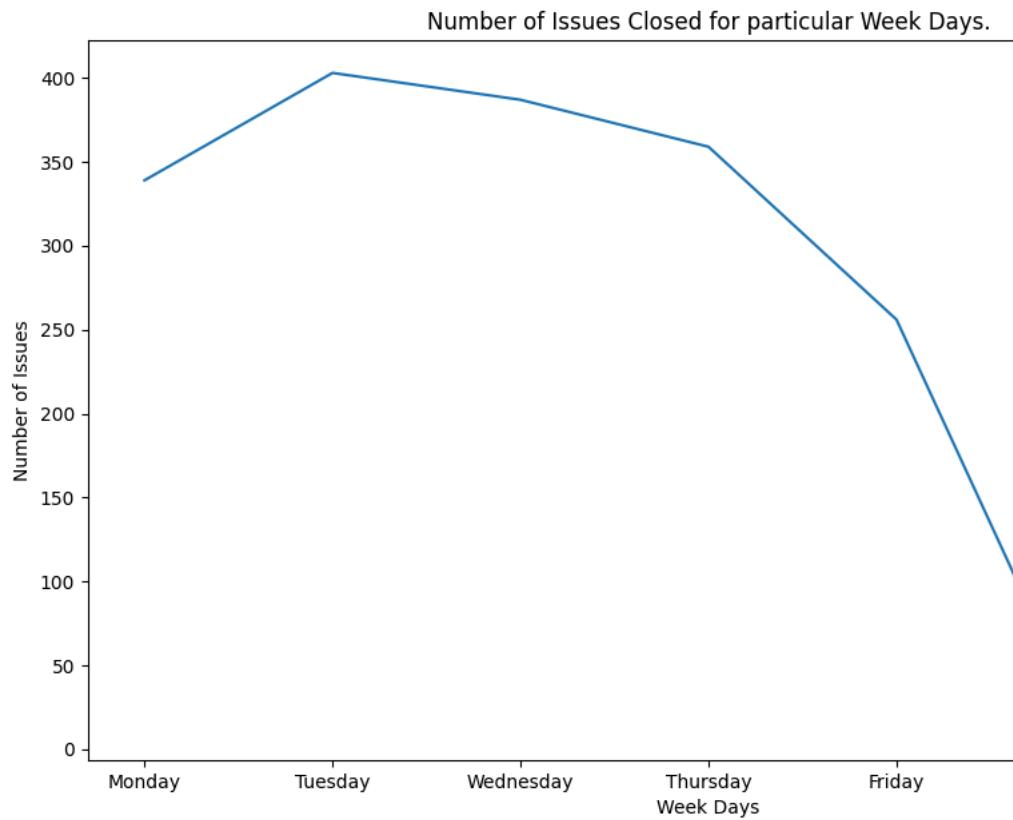
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Microsoft-Autogen

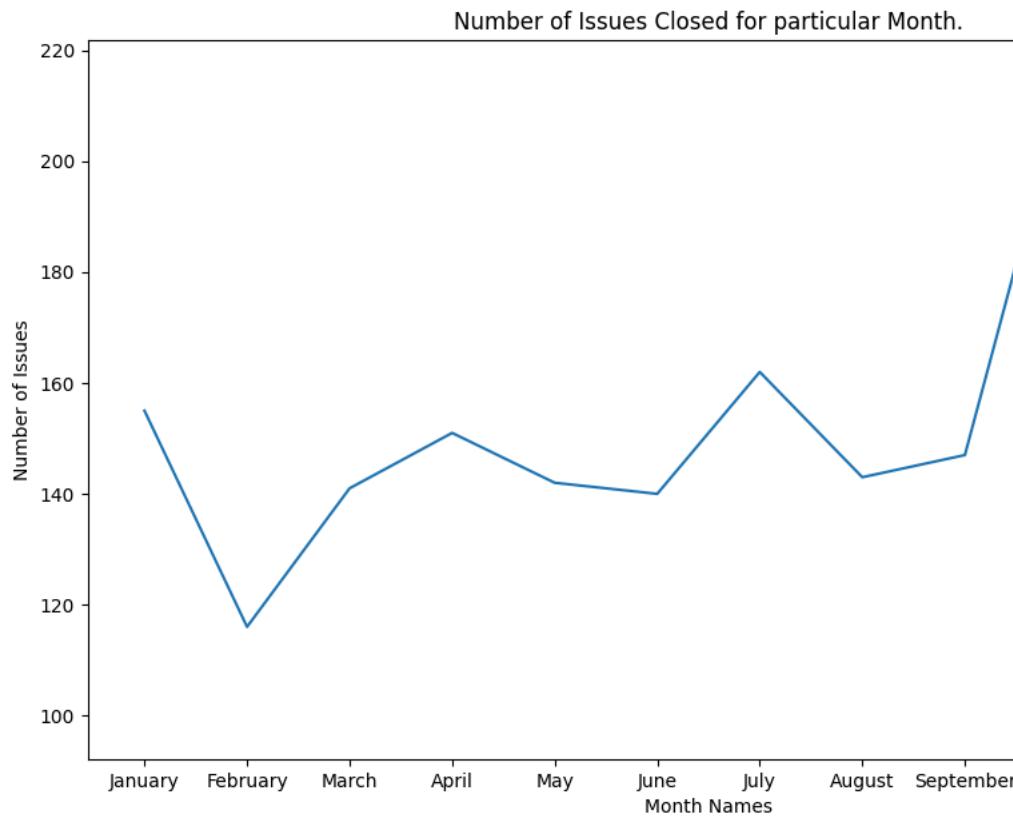
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The month of the year that has maximum number of issues closed



Timeseries Forecasting of Created Issues using Tensorflow and Keras LSTM ba

Model Loss for Created Issues

Number of stars

Number of forks

LangChainai-Langchain

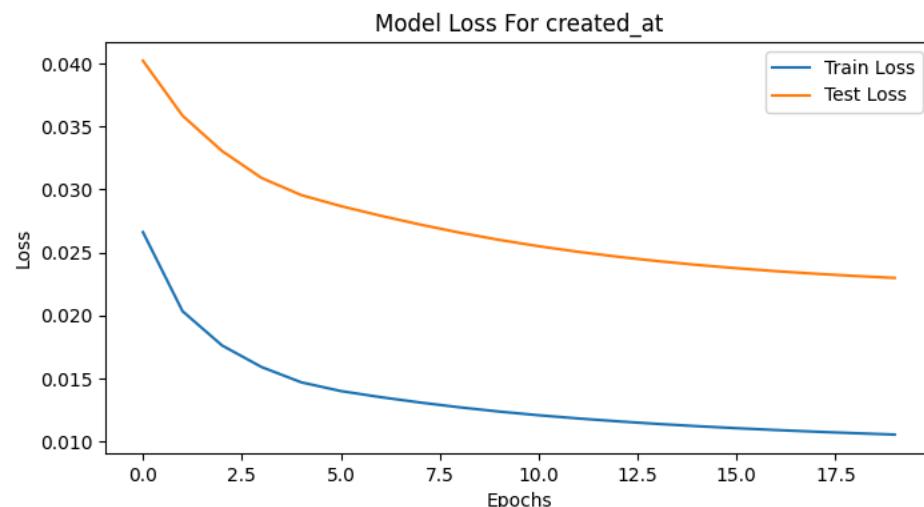
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Microsoft-Autogen

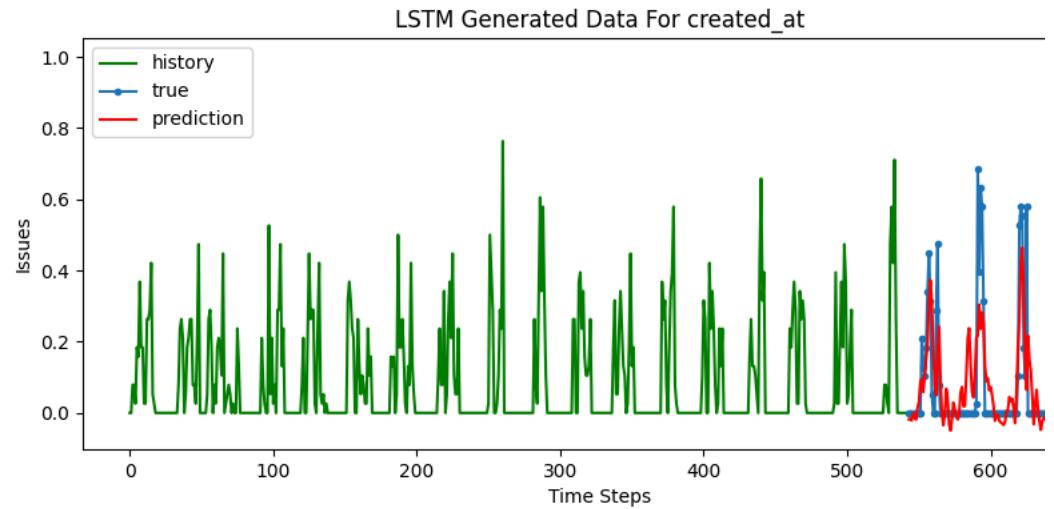
Openai-Cookbook

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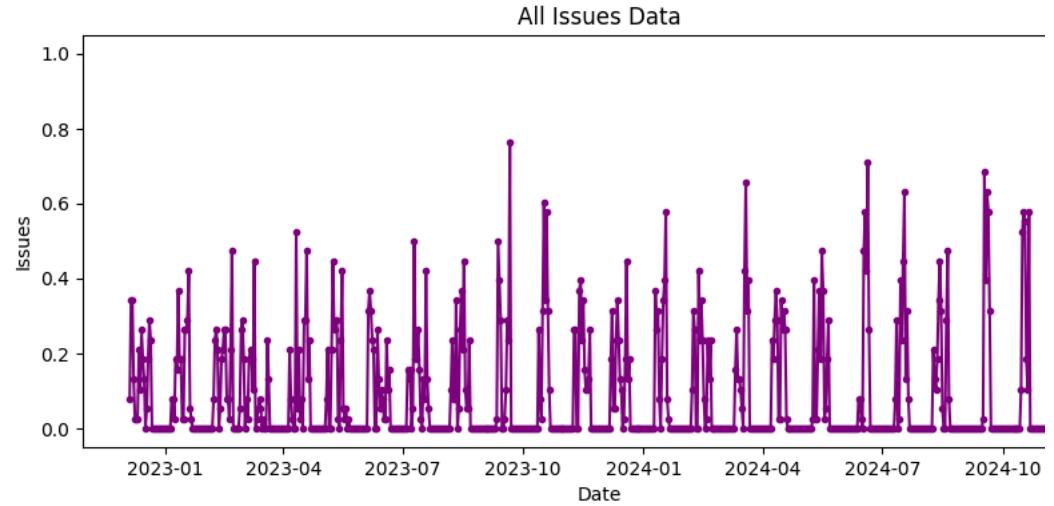
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LSTM Generated Data for Created Issues



All Issues Data for Created Issues



Timeseries Forecasting of Closed Issues using Tensorflow and Keras LSTM bas

Model Loss for Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

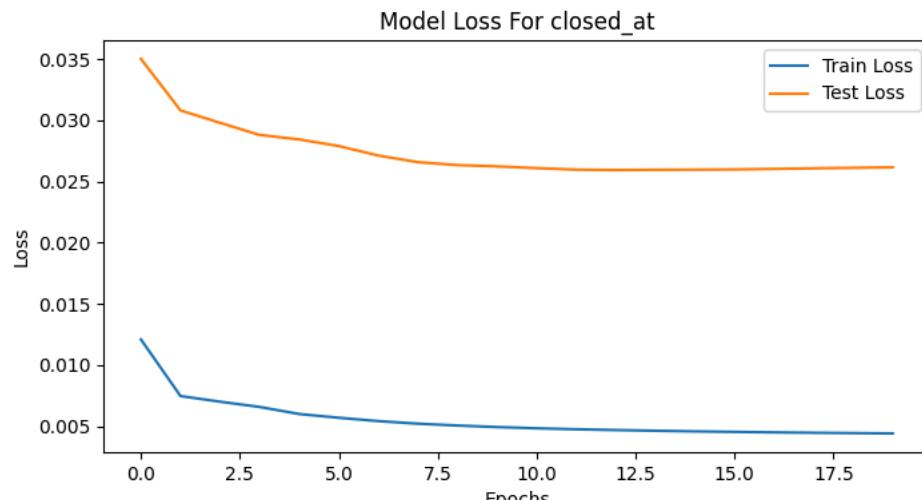
LangChainai-Langgraph

Microsoft-Autogen

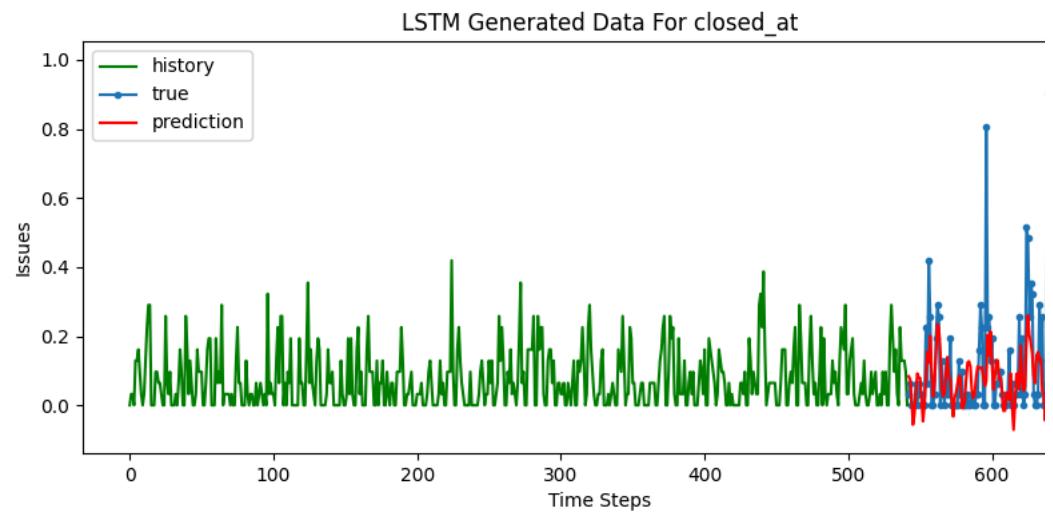
Openai-Cookbook

elasticsearch

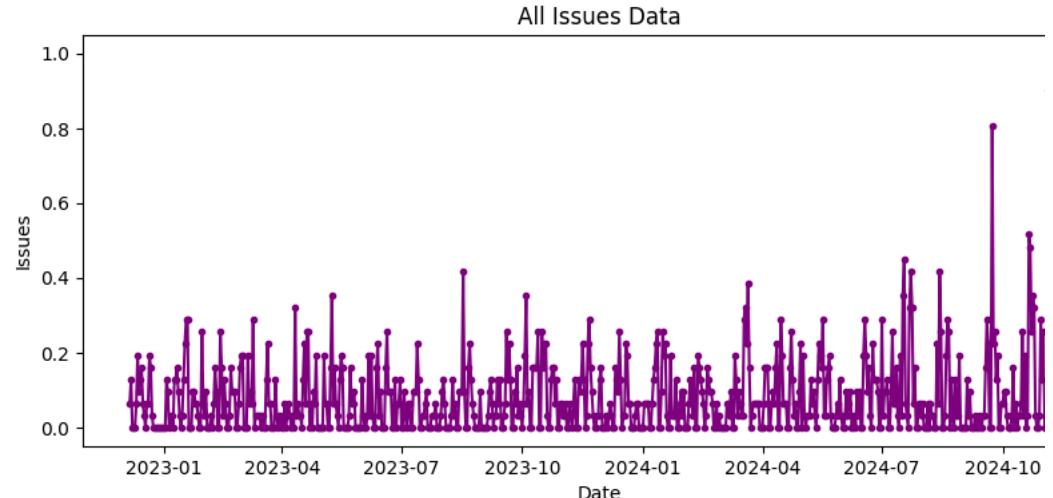
Pymilvus



LSTM Generated Data for Closed Issues



All Issues Data for Closed Issues



Timeseries Forecasting of Pull Requests using Tensorflow and Keras LSTM bas

Model Loss for Pull Requests

Number of stars

Number of forks

LangChainai-Langchain

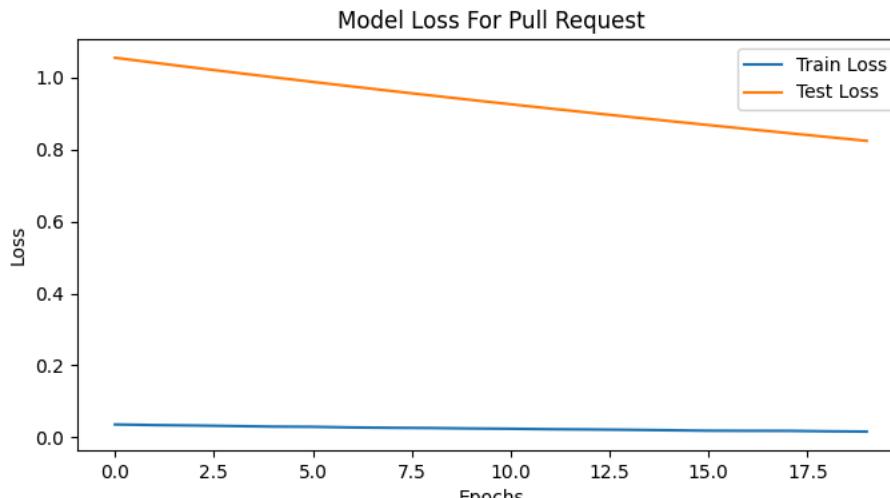
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

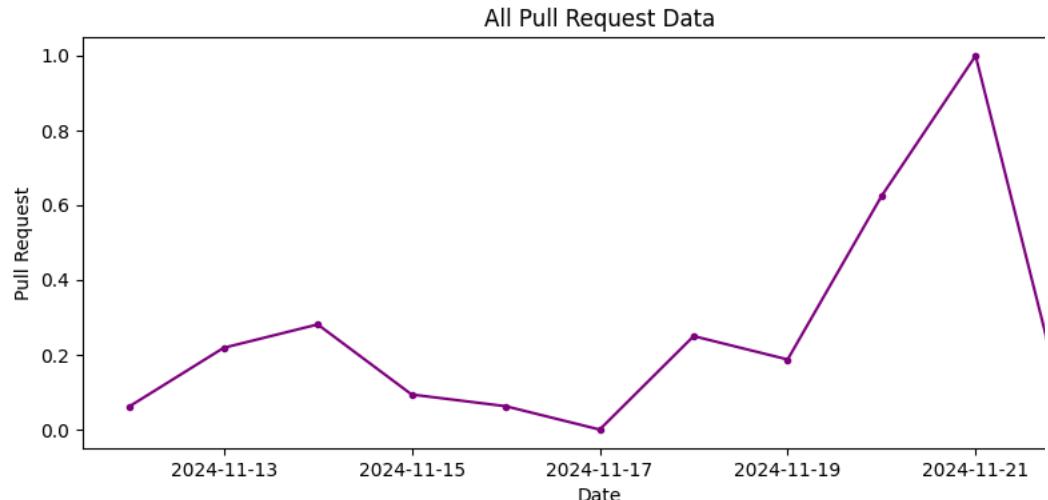
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LSTM Generated Data for Pull Requests



All Issues Data for Pull Requests



Timeseries Forecasting of Commits using Tensorflow and Keras LSTM based or
Model Loss for Commits

Number of stars

Number of forks

LangChainai-Langchain

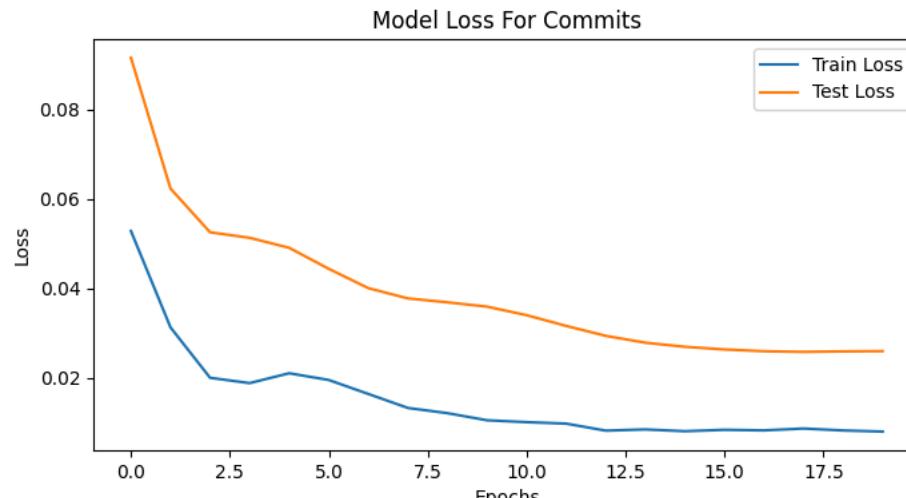
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Microsoft-Autogen

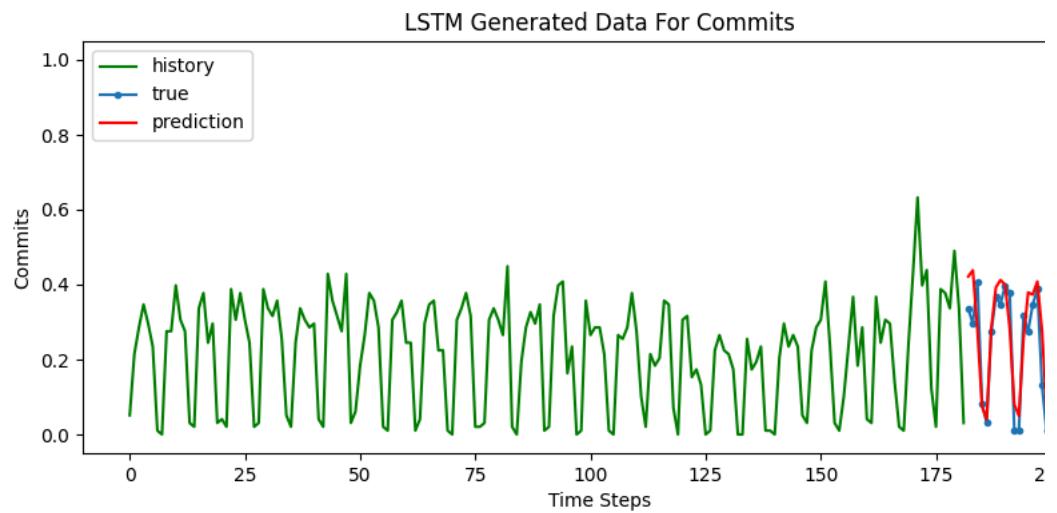
Openai-Cookbook

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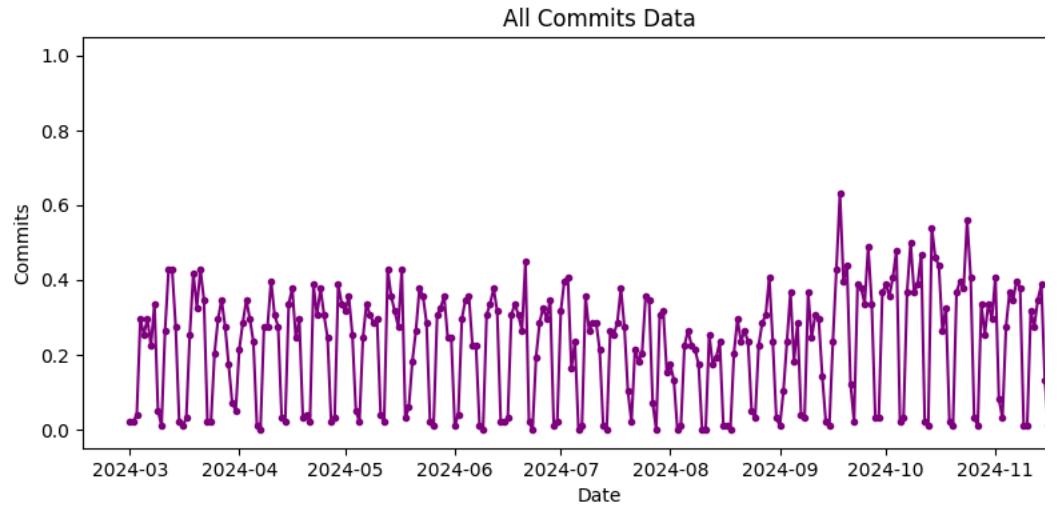
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LSTM Generated Data for Commits



All Issues Data for Commits



Timeseries Forecasting of Created Issues using Facebook/Prophet based on past data
Forecast of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

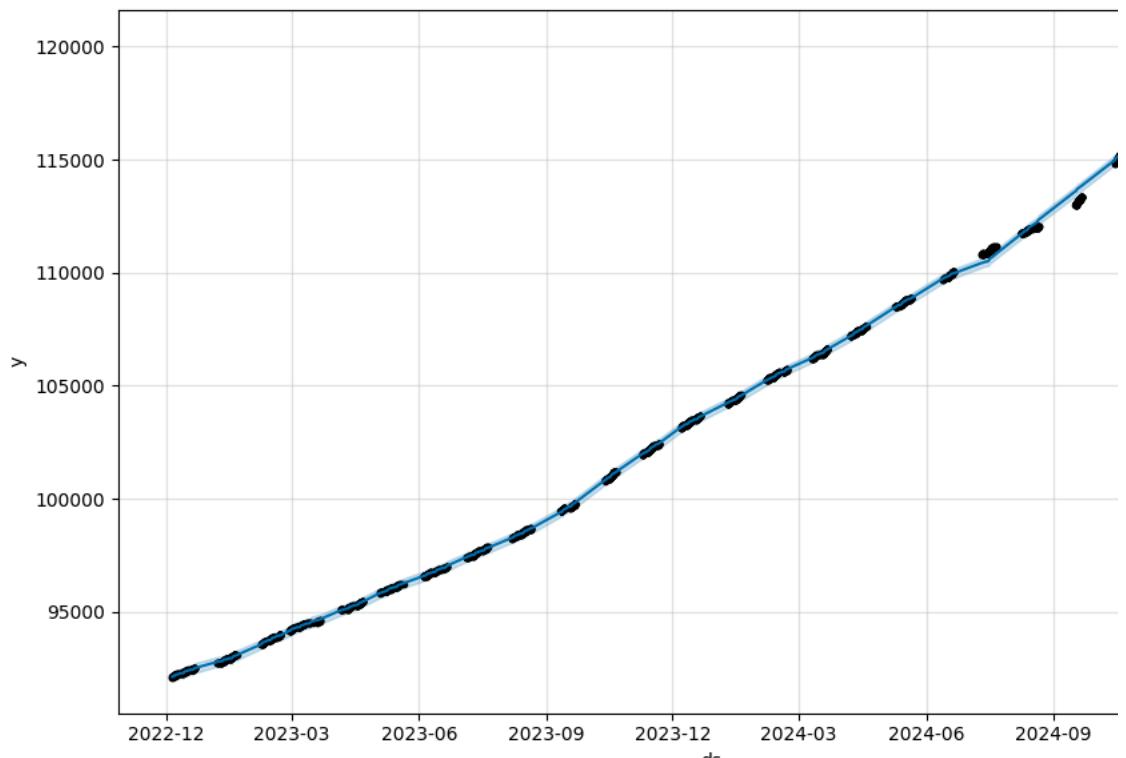
LangChainai-Langgraph

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Forecast Components of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

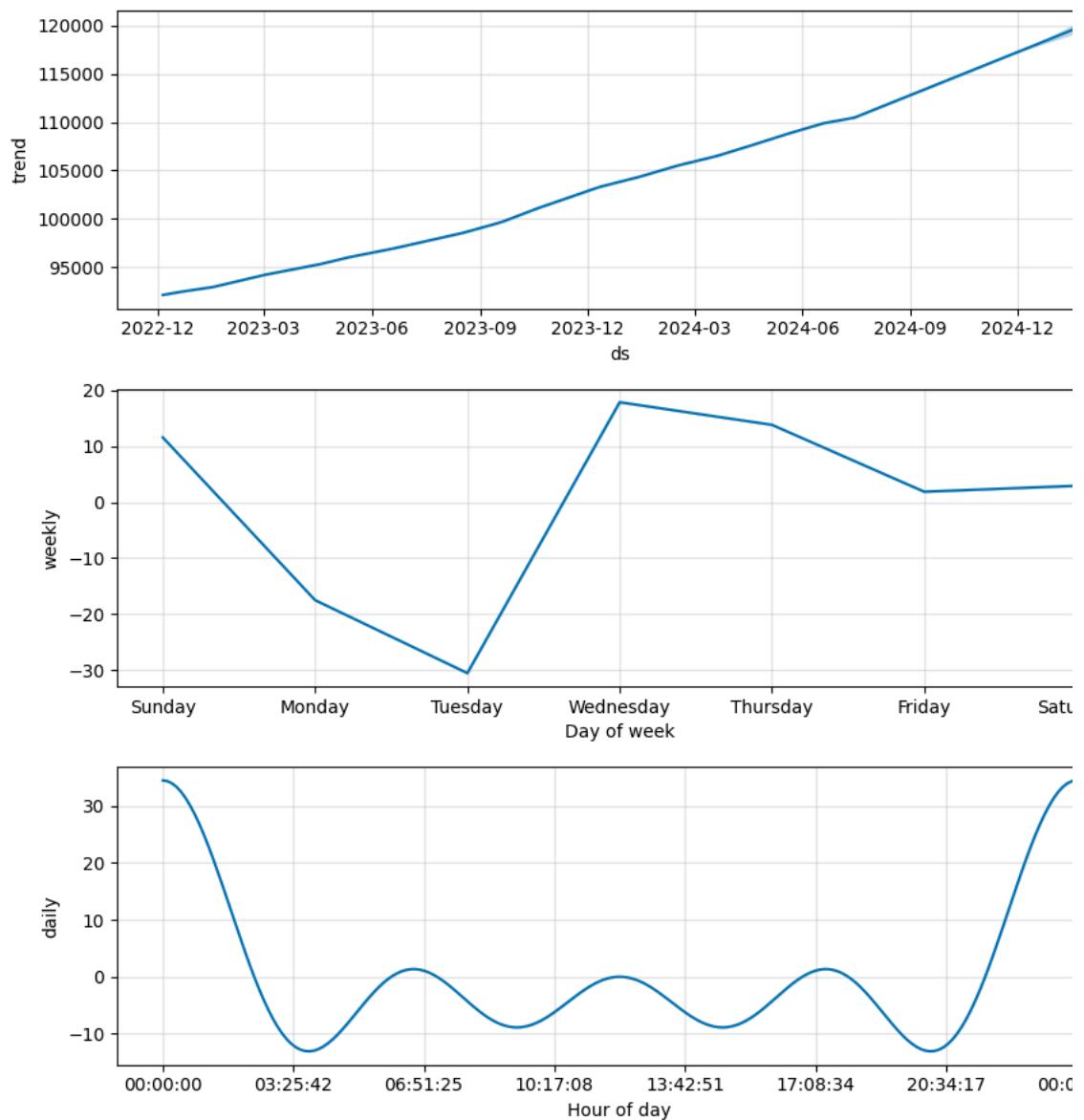
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Timeseries Forecasting of Closed Issues using Facebook/Prophet based on past
Forecast of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

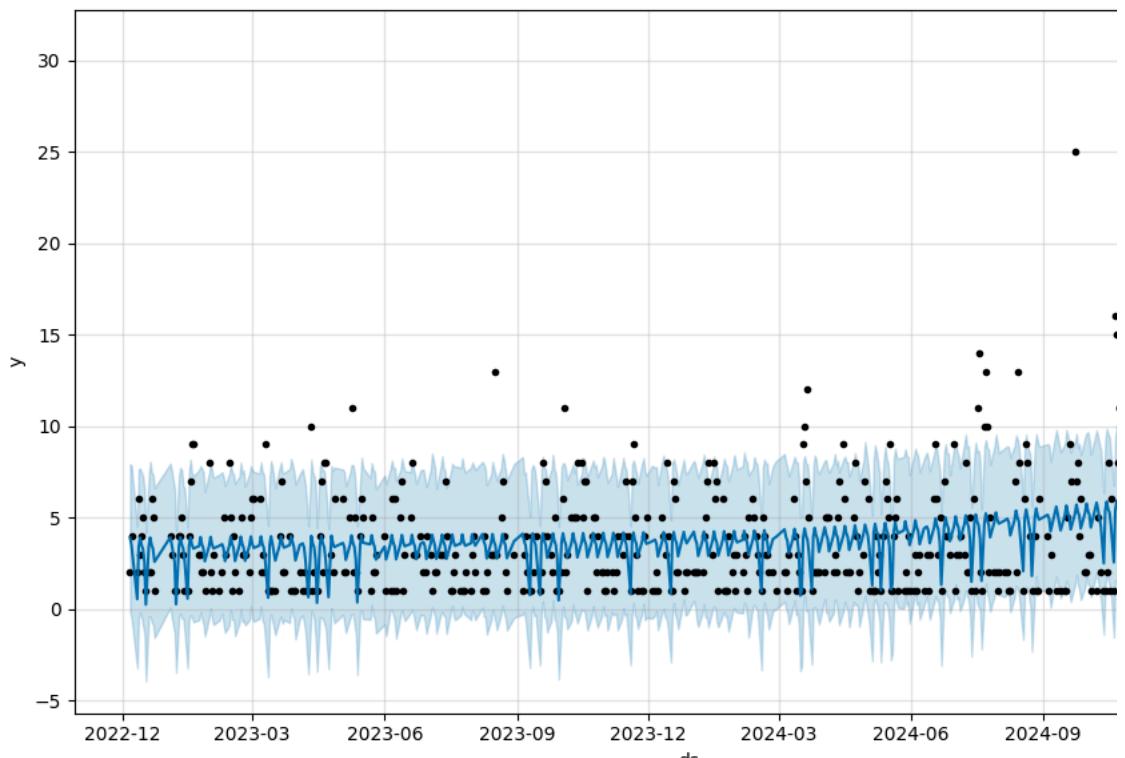
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Forecast Components of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

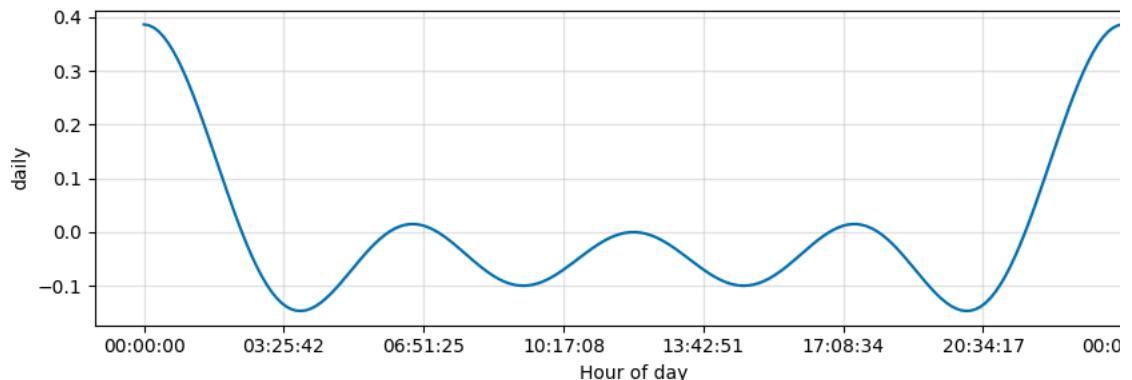
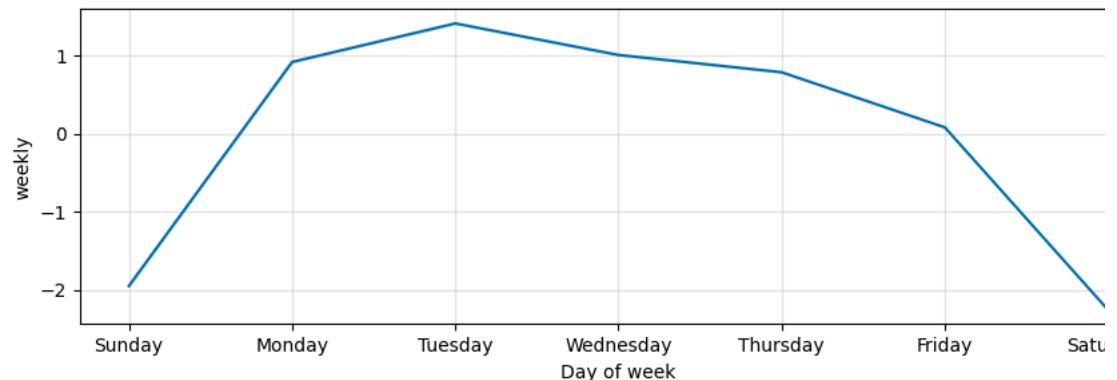
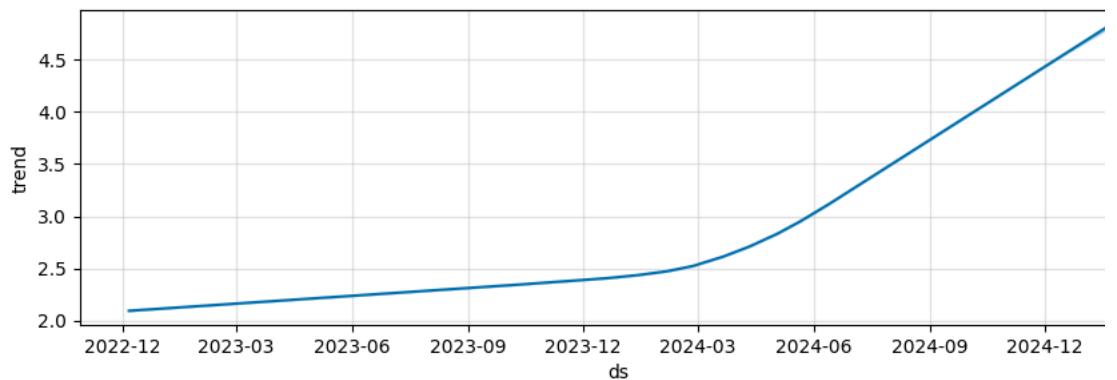
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Timeseries Forecasting of Pull Request using Facebook/Prophet based on past

Forecast of Pull Request



Forecast Components of Pull Request



Timeseries Forecasting of Commits using Facebook/Prophet based on past mor

Forecast of Commits

Number of stars

Number of forks

LangChainai-Langchain

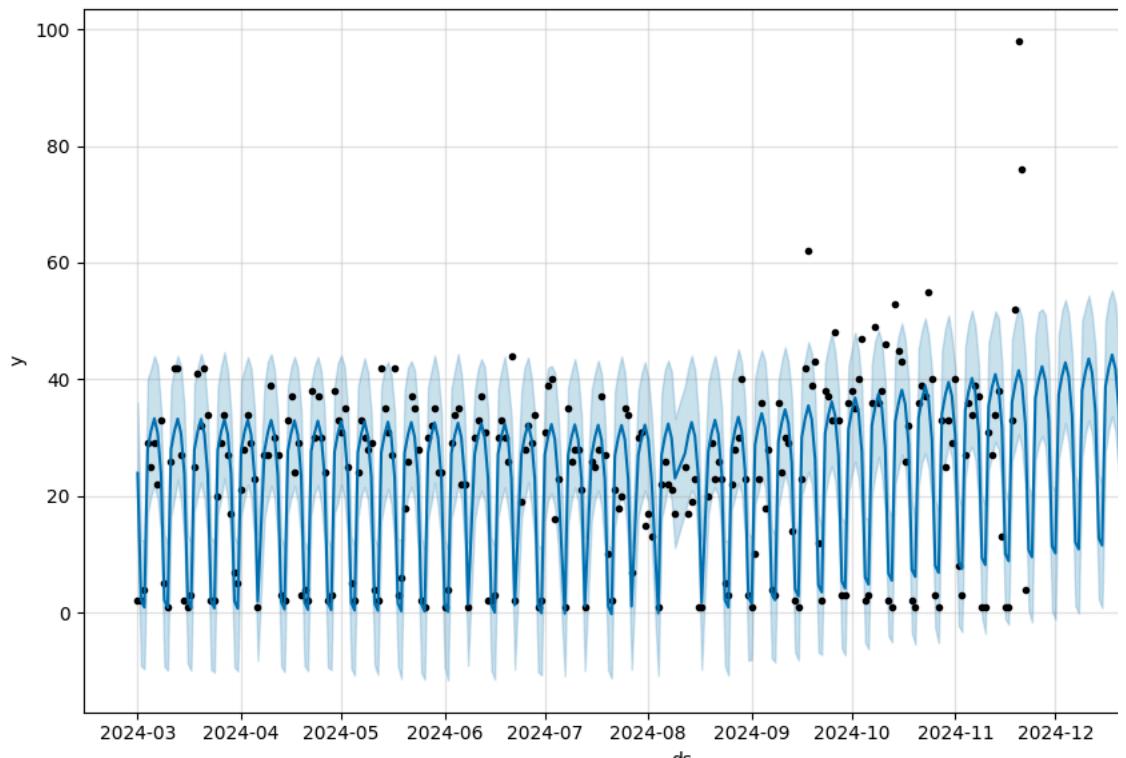
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Forecast Components of Commits

Number of stars

Number of forks

LangChainai-Langchain

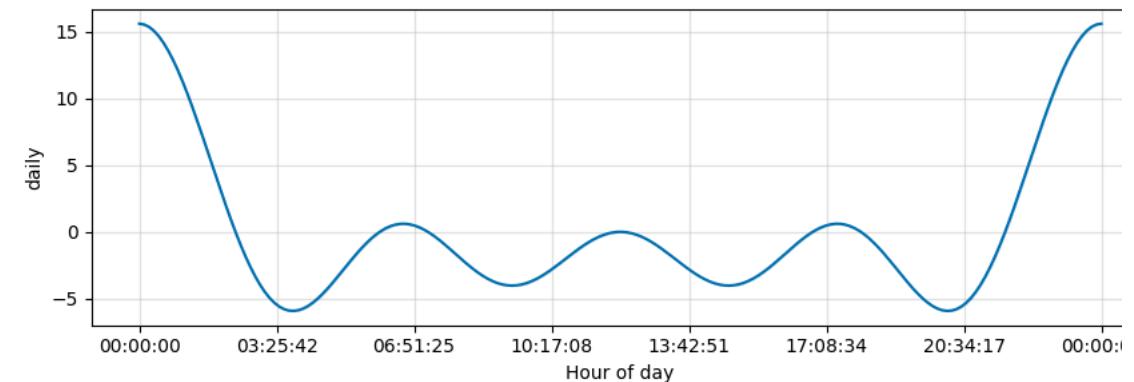
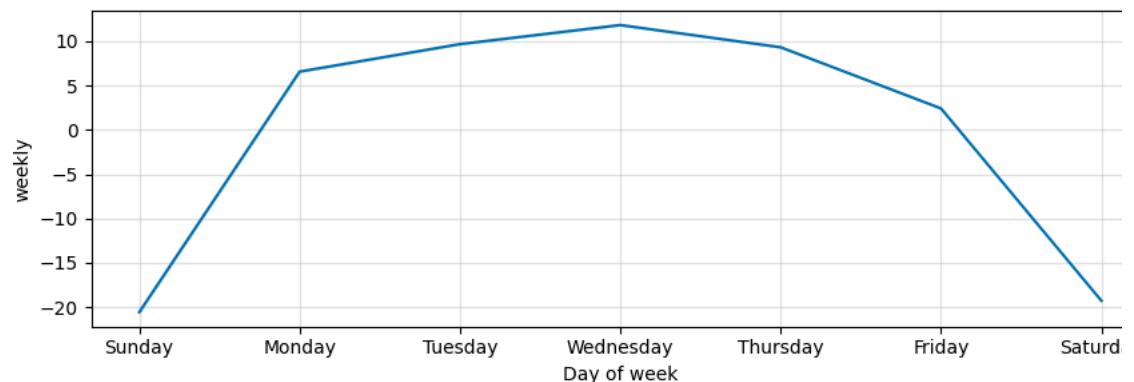
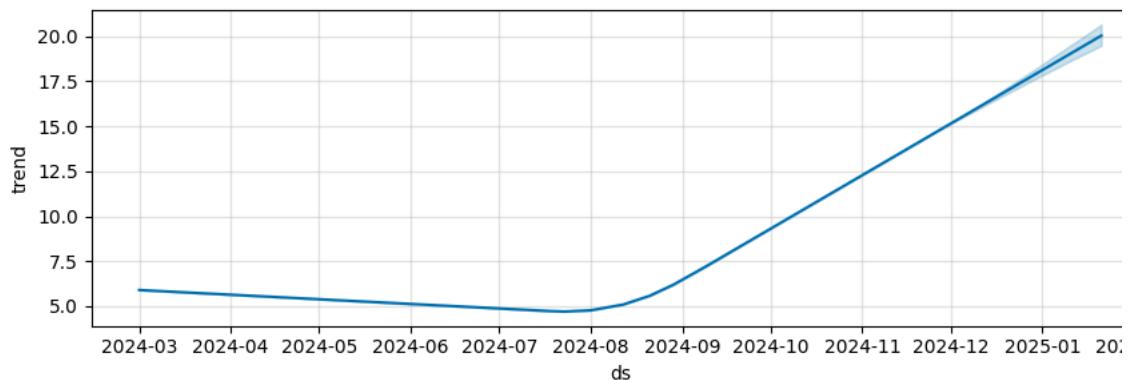
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Timeseries Forecasting of Created Issues using StatsModel based on past month's data

Observation Graph of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

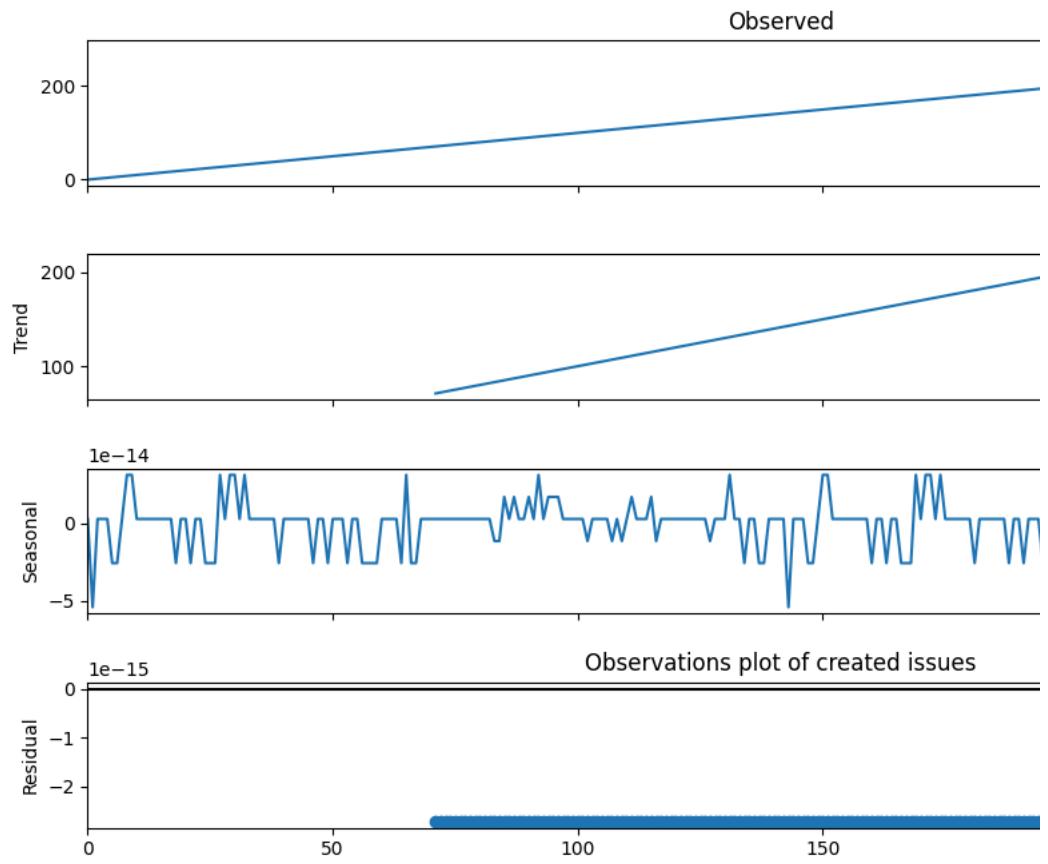
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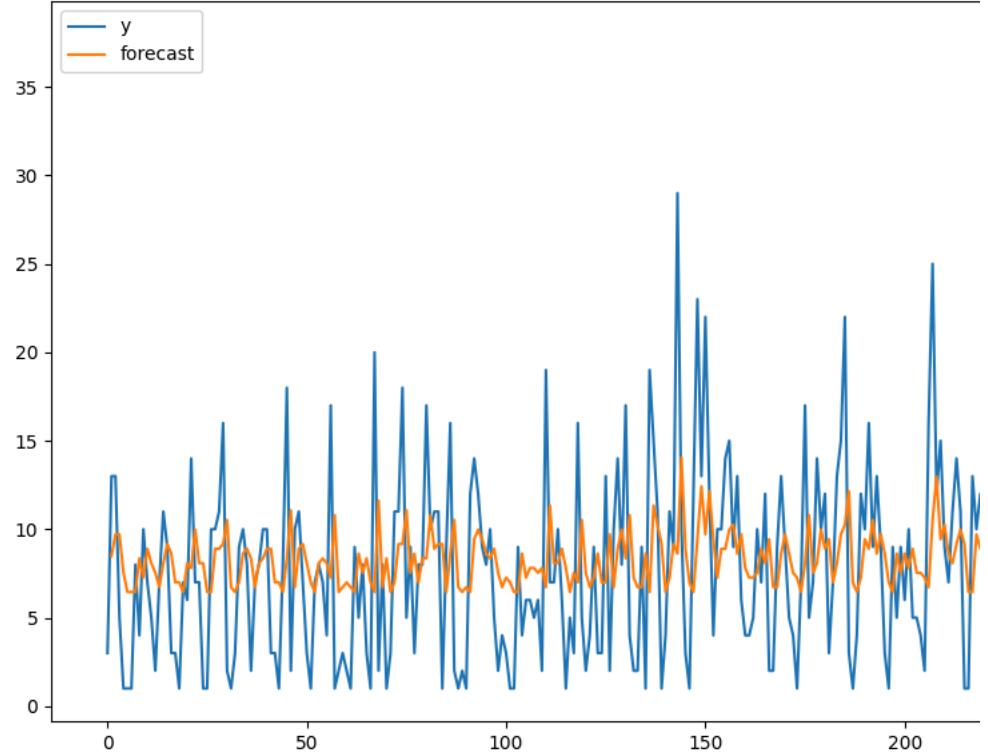
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Time Series Forecasting of Created Issues

Timeseries forecasting of created issues



Timeseries Forecasting of Closed Issues using StatsModel based on past month

Observation Graph of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

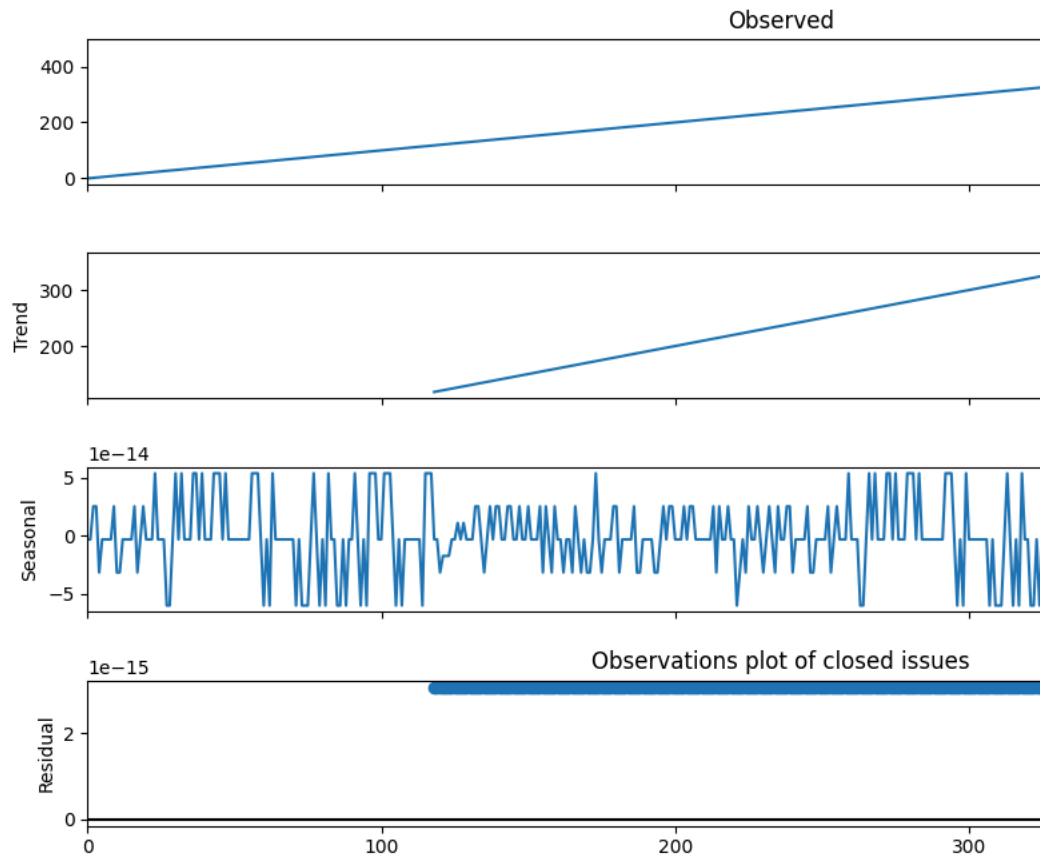
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Time Series Forecasting of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

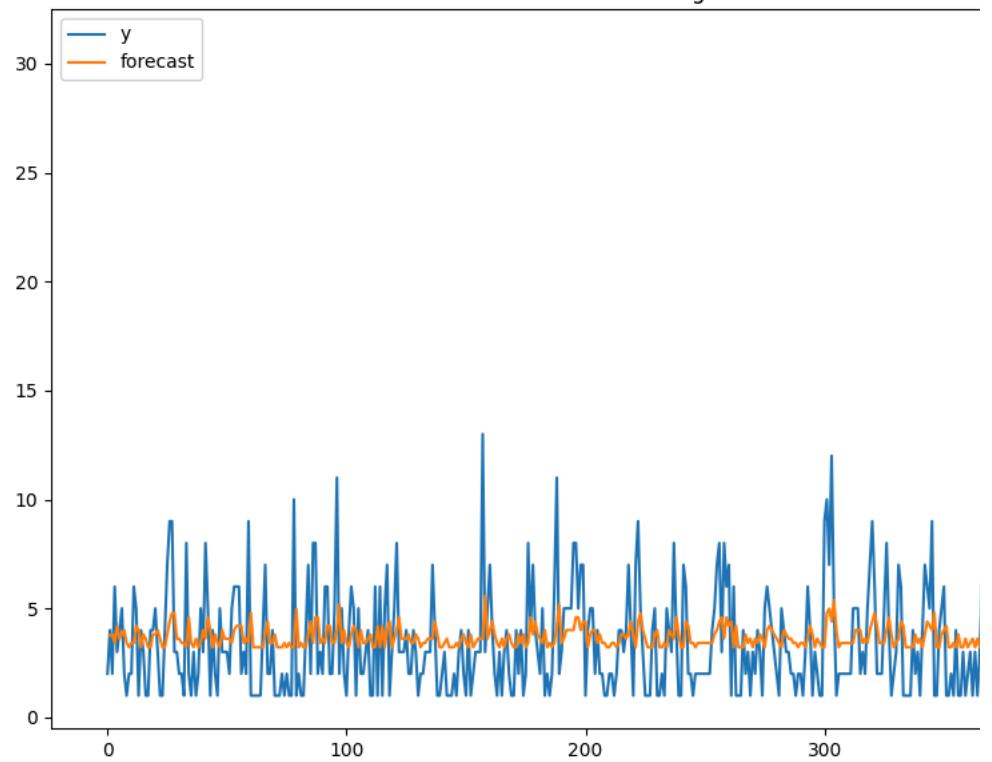
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Timeseries forecasting of closed issues



Timeseries Forecasting of Pull Request Issues using StatsModel based on past

Observation Graph of Pull Request Issues

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

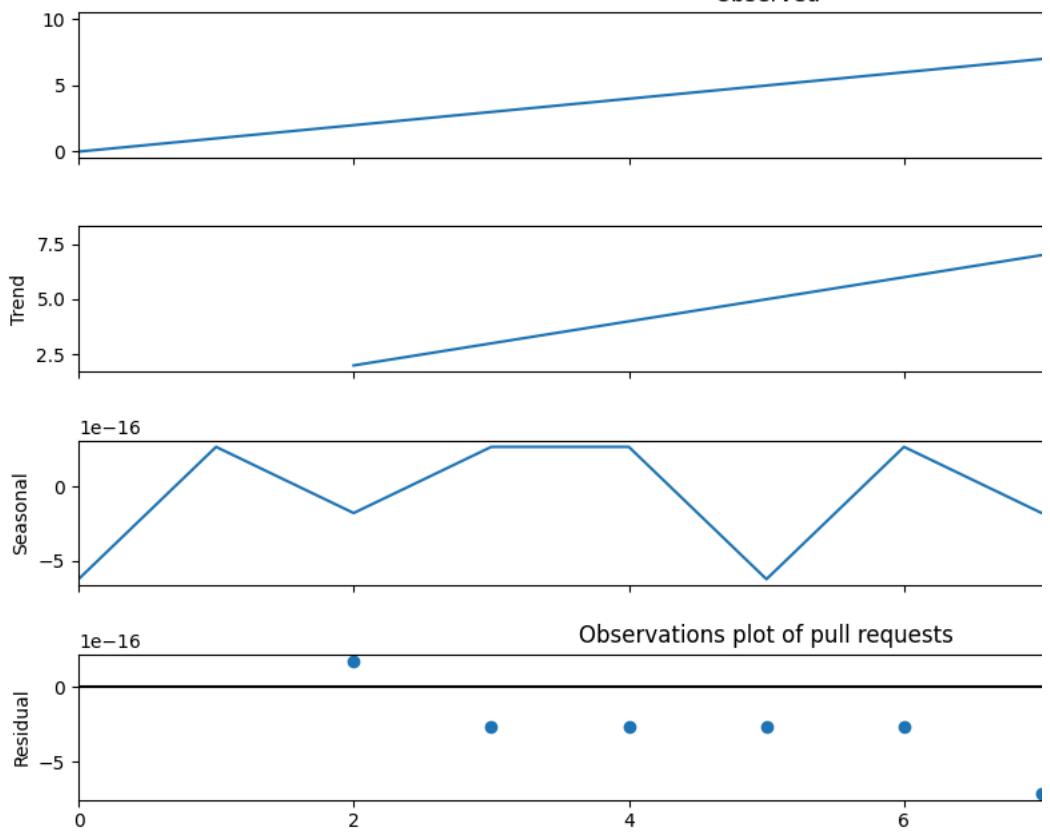
Microsoft-Autogen

Openai-Cookbook

elasticsearch

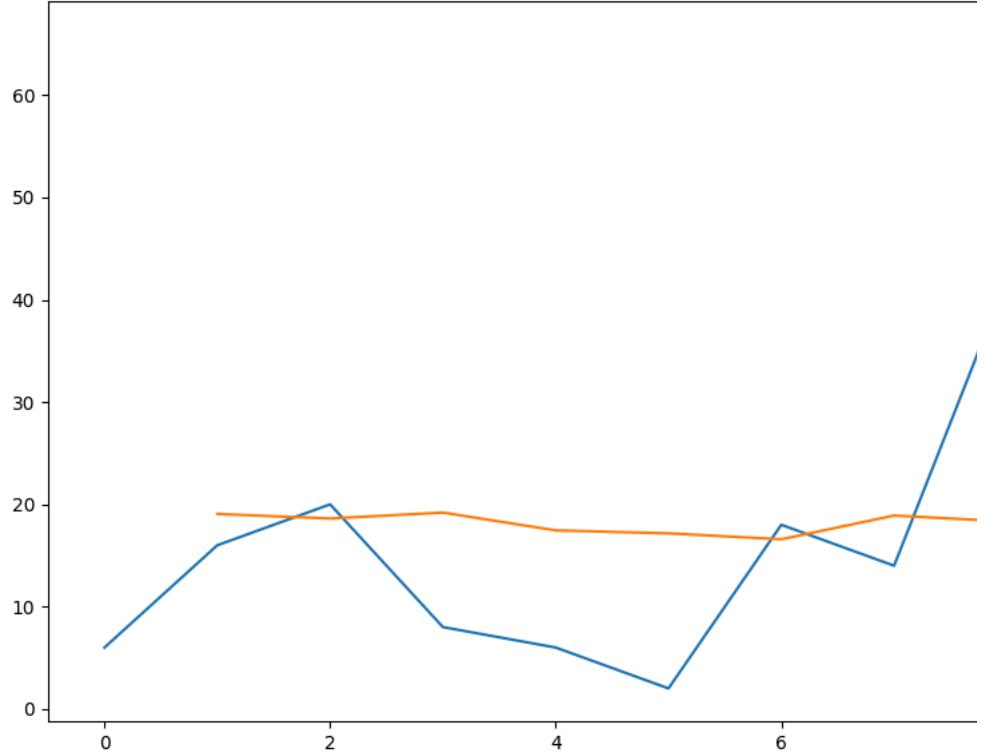
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Observed



Time Series Forecasting of Pull Request Issues

Timeseries forecasting of pull requests



Timeseries Forecasting of Commits Issues using StatsModel based on past more

Observation Graph of Commits Issues

Number of stars

Number of forks

LangChainai-Langchain

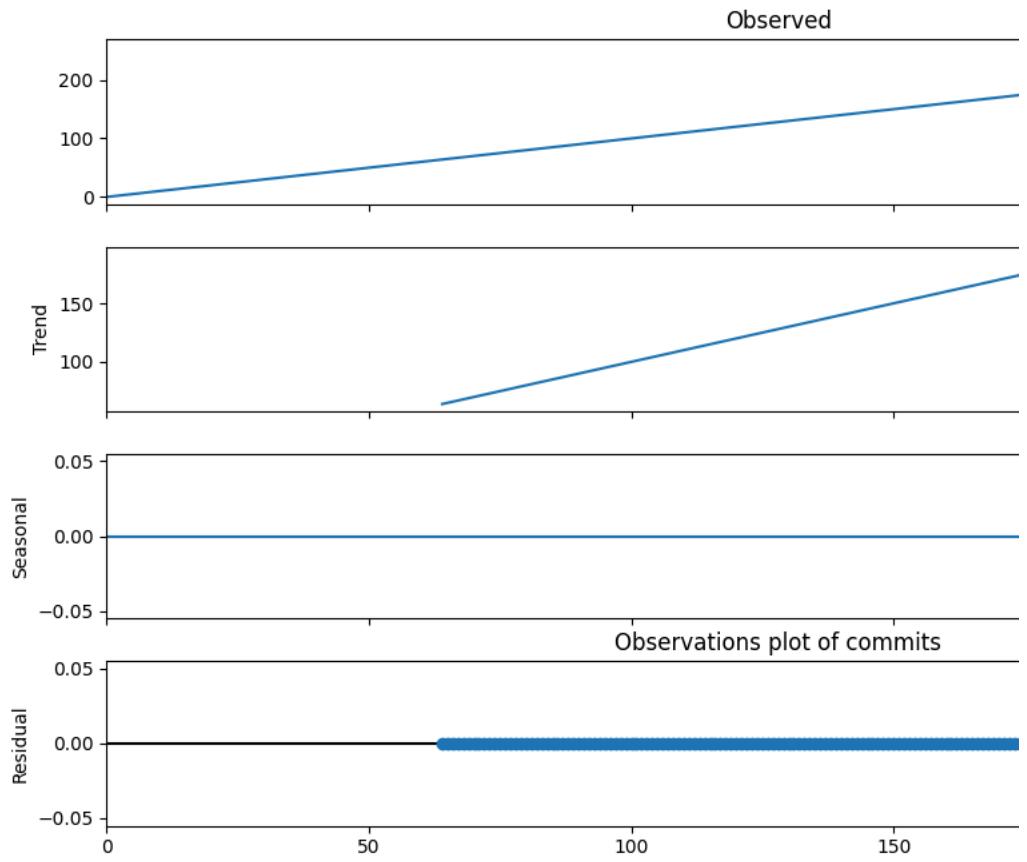
LangChainai-Langgraph

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Time Series Forecasting of Commits Issues

Timeseries forecasting of commits

Number of stars

Number of forks

LangChainai-Langchain

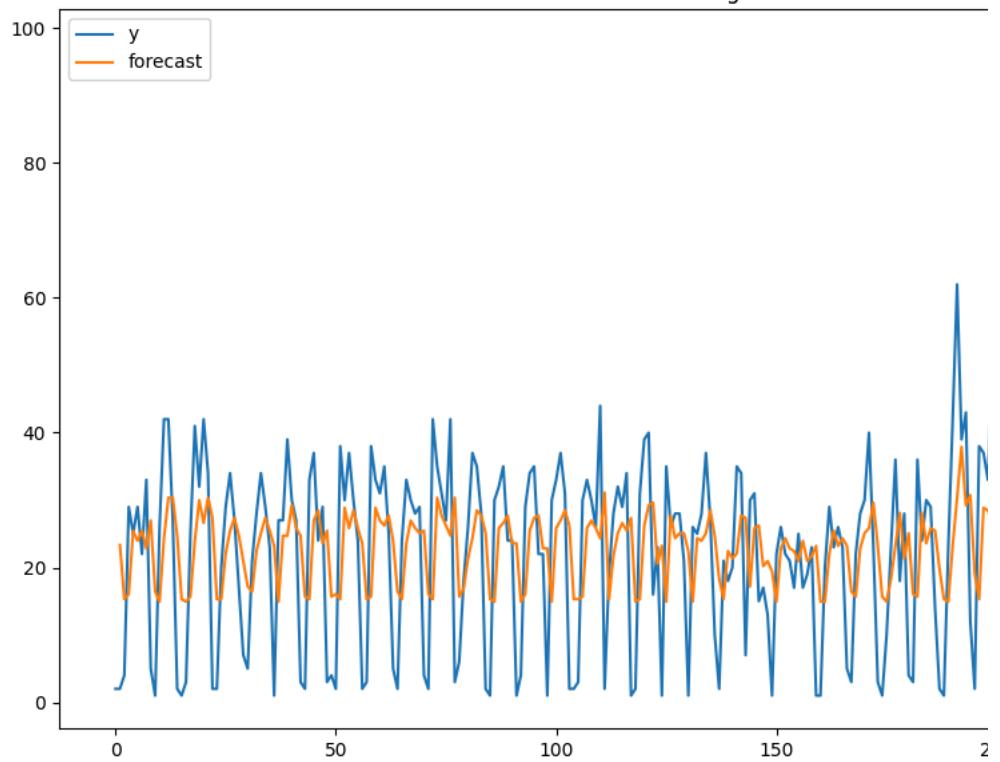
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Microsoft-Autogen

Openai-Cookbook

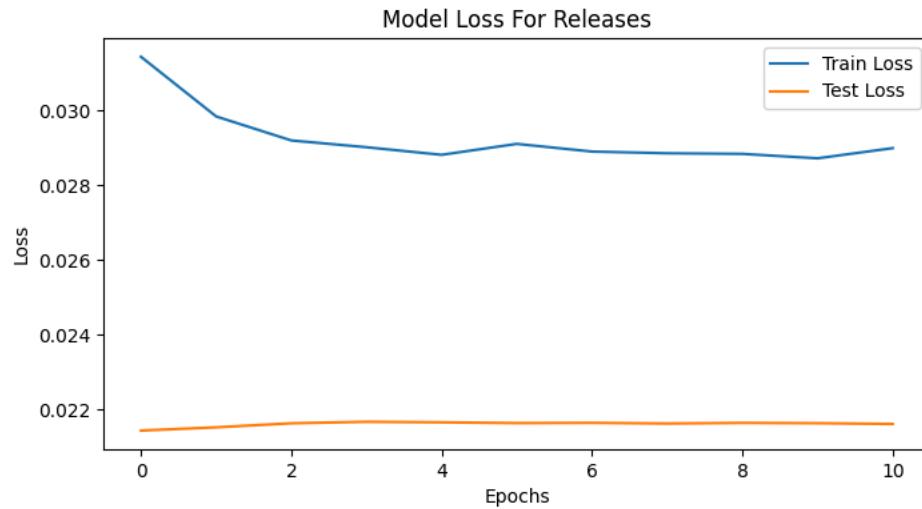
elasticsearch

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Timeseries Forecasting of Releases using Tensorflow and Keras LSTM

Model Loss for Releases



LSTM Generated Data for Releases

Number of stars

Number of forks

LangChainai-Langchain

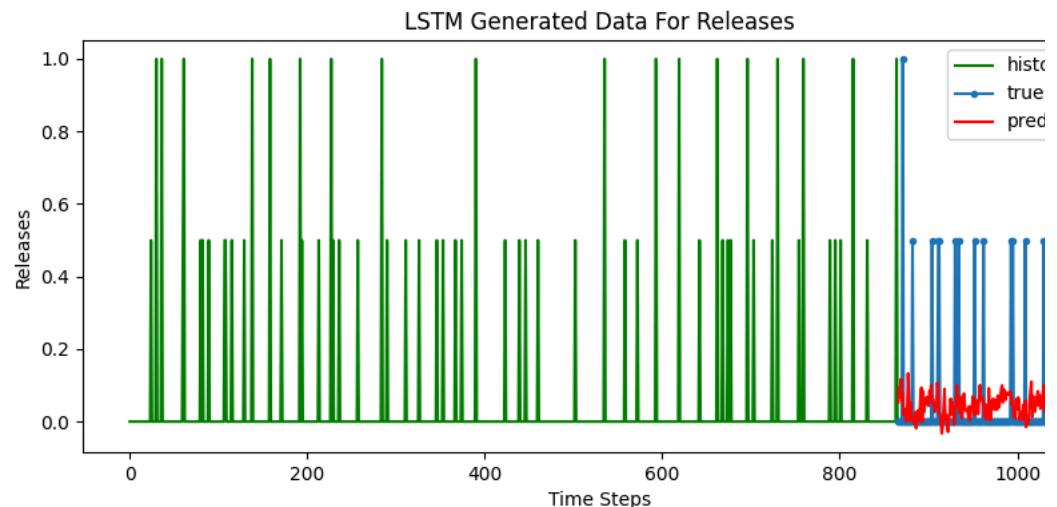
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Microsoft-Autogen

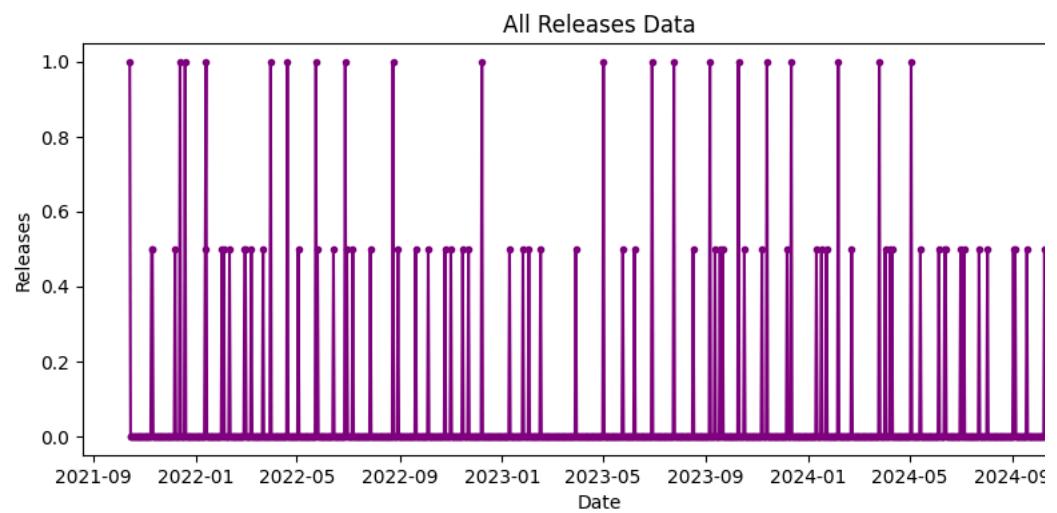
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All Issues Data for Releases



Timeseries Forecasting of Release using StatsModel

Observation Graph of Release Issues

Observed

Number of stars

Number of forks

LangChainai-Langchain

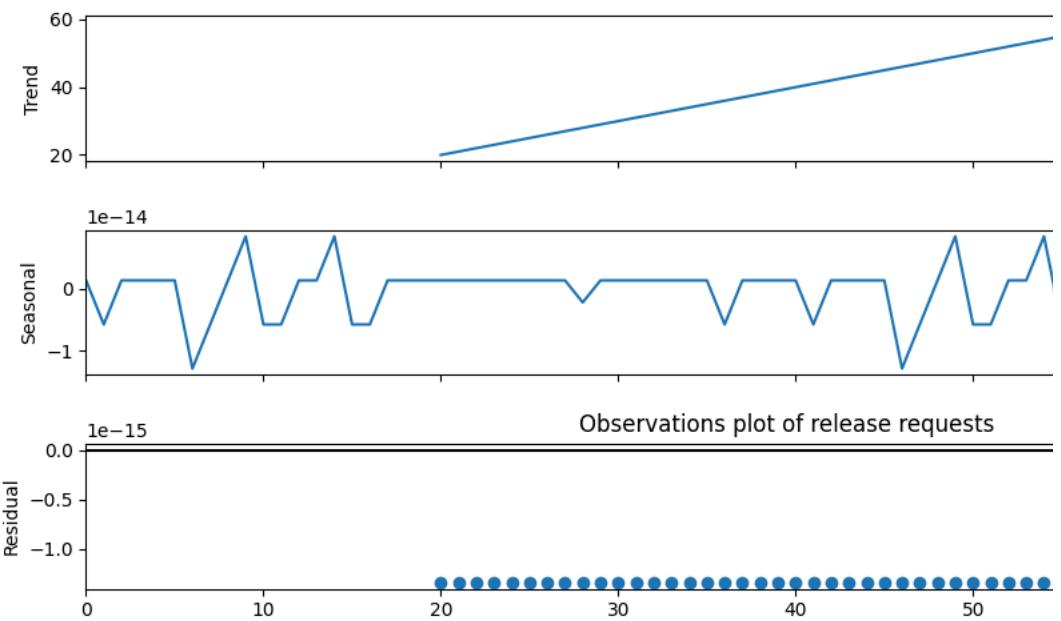
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Microsoft-Autogen

Openai-Cookbook

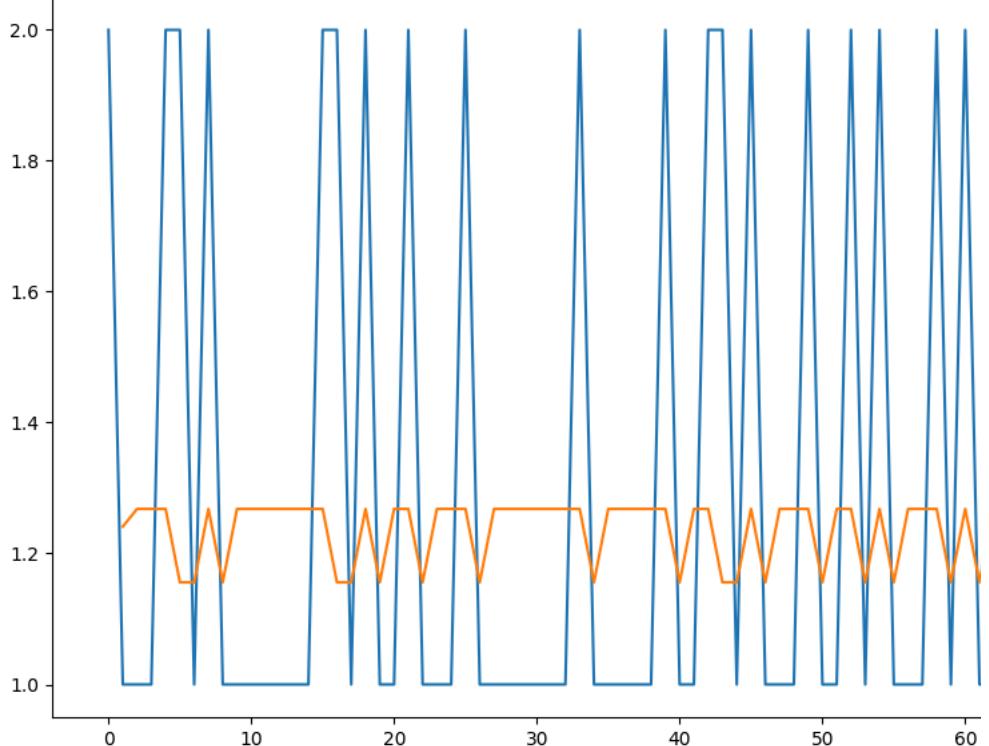
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Time Series Forecasting of Releases

Timeseries forecasting of release requests



Timeseries Forecasting of Release using Facebook/Prophet

No Release Data available for the repository

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

Microsoft-Autogen

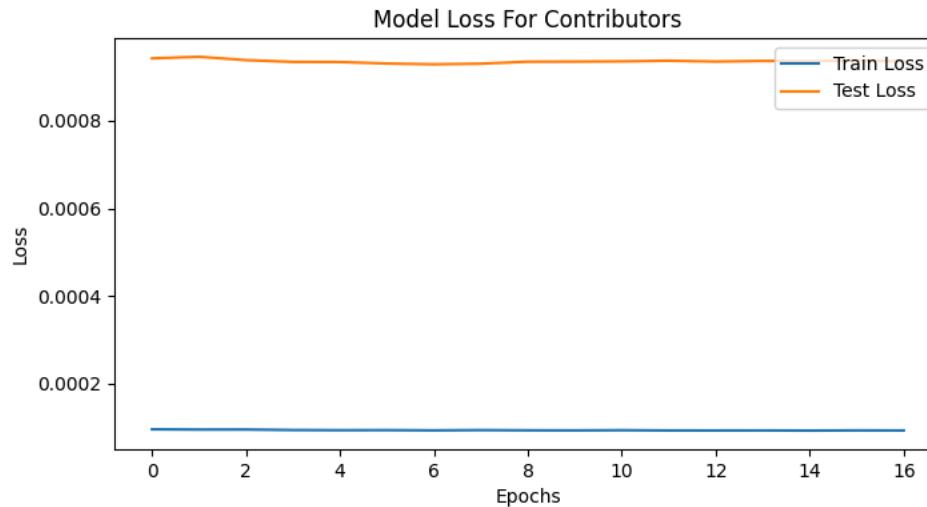
Openai-Cookbook

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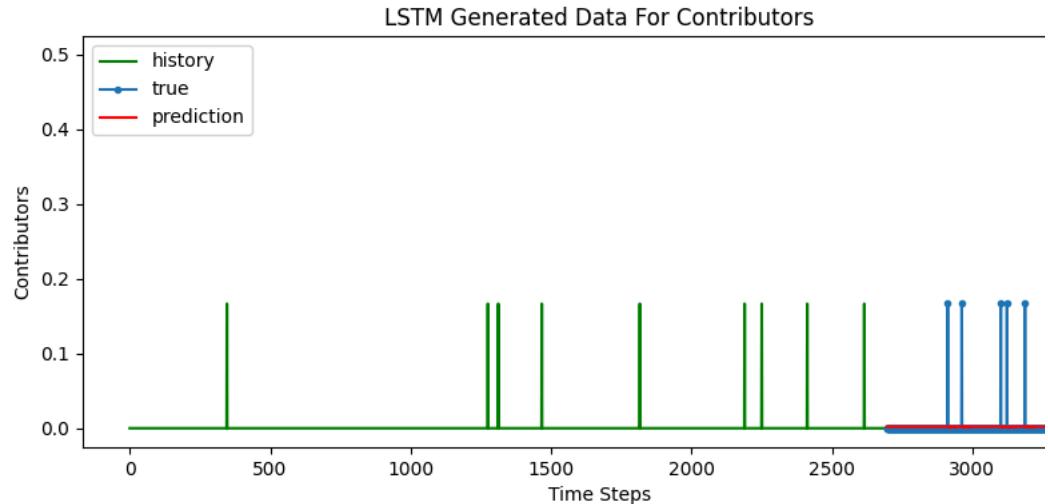
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Timeseries Forecasting of Contributors using Tensorflow and Keras LSTM

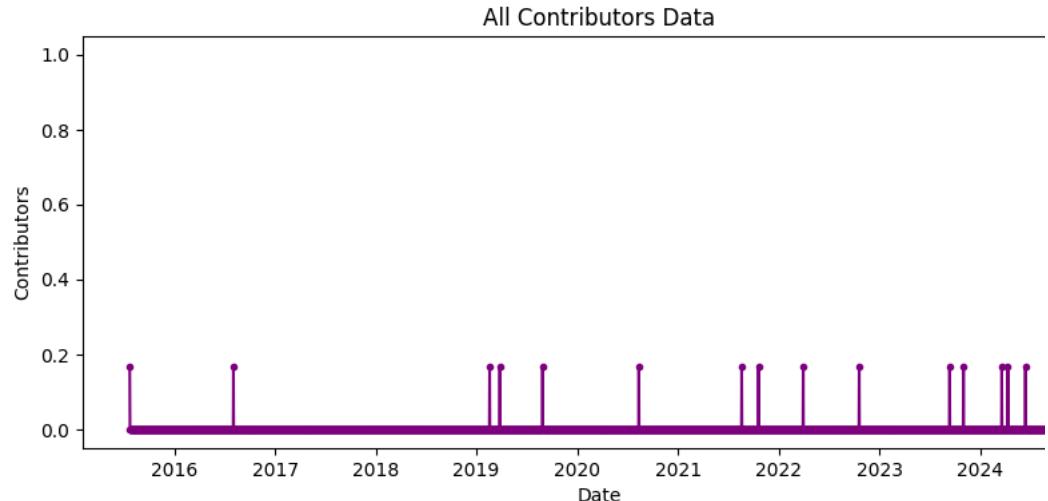
Model Loss for Contributors



LSTM Generated Data for Contributors



All Issues Data for Contributors



Timeseries Forecasting of Contributors using StatsModel

Observation Graph of Contributors

Number of stars

Number of forks

LangChainai-Langchain

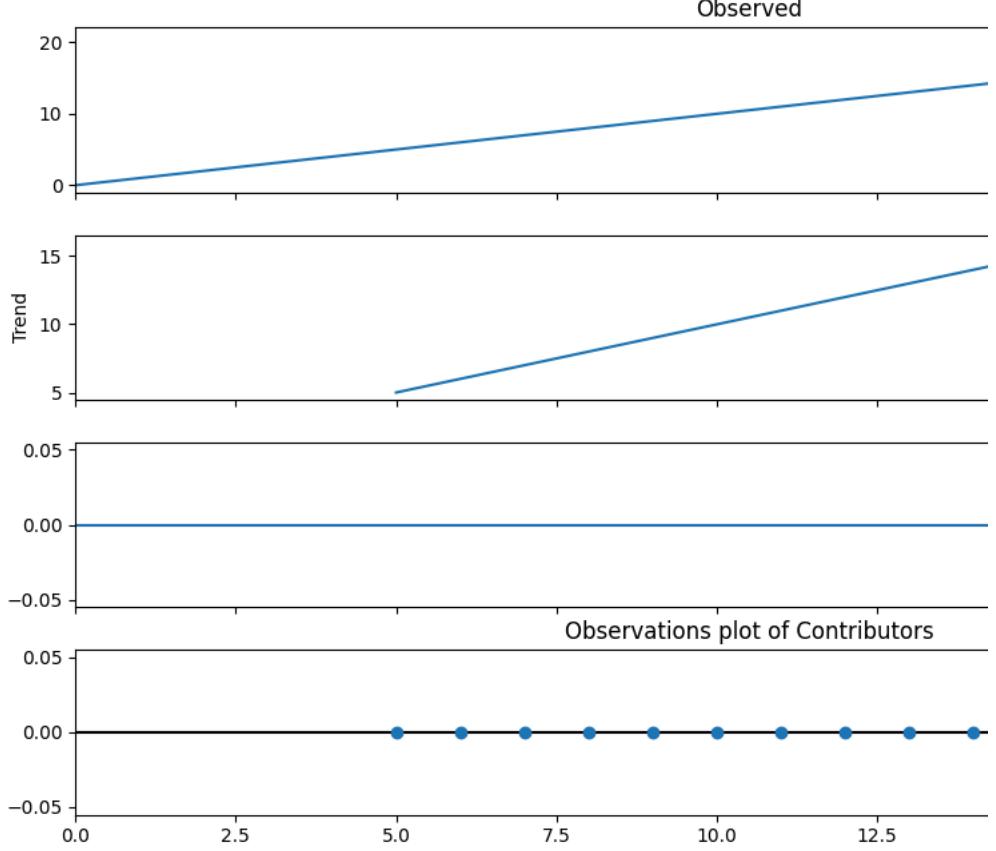
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

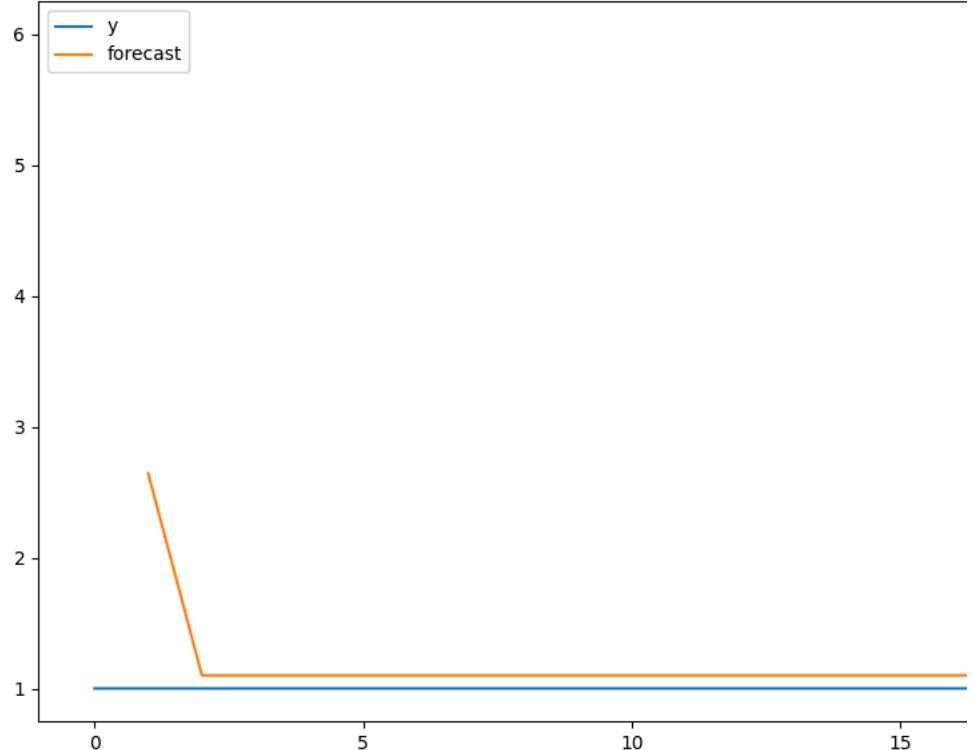
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Time Series Forecasting of Contributors

Timeseries forecasting of Contributors



Timeseries Forecasting of Contributors using Facebook/Prophet

Forecast of Contributors

Number of stars

Number of forks

LangChainai-Langchain

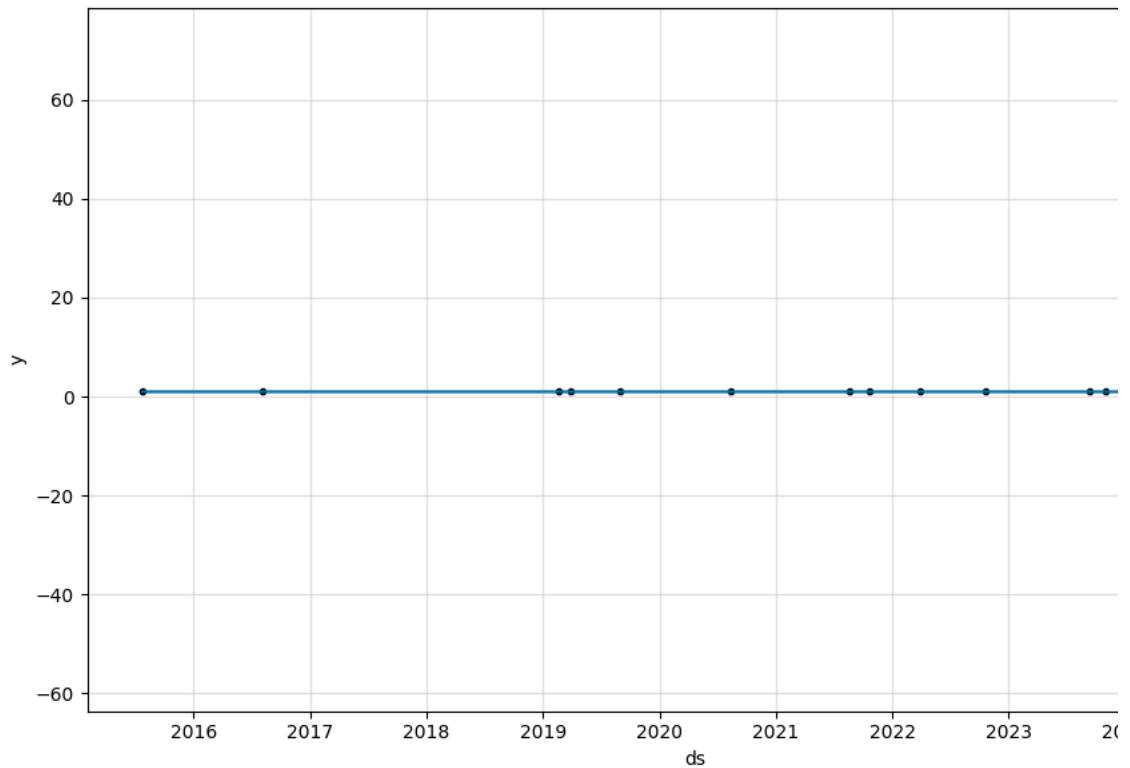
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Forecast Components of Contributors

Number of stars

Number of forks

LangChainai-Langchain

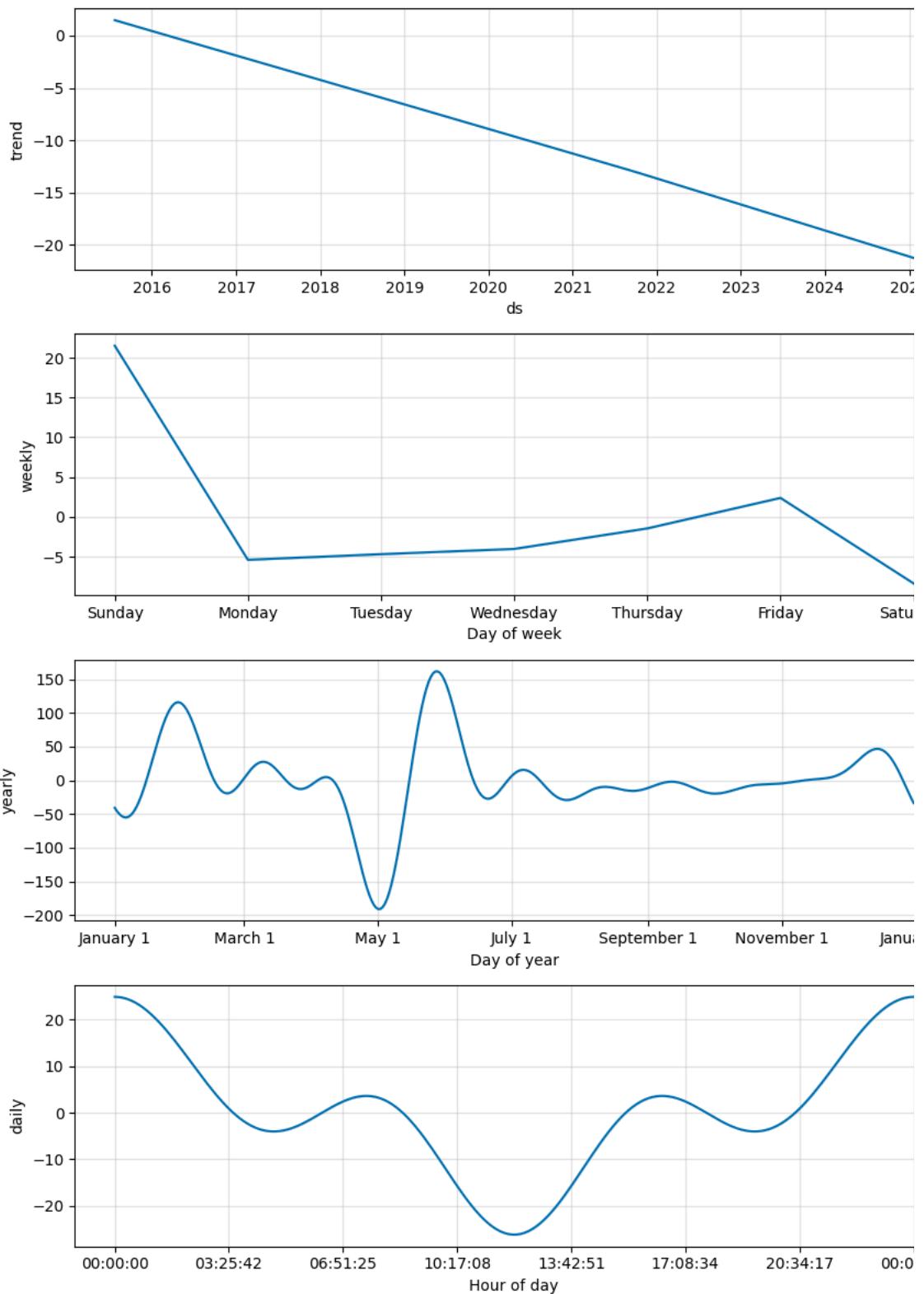
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

Pymilvus



Timeseries Forecasting of Branches using Tensorflow and Keras LSTM

Model Loss for Branches

Number of stars

Number of forks

LangChainai-Langchain

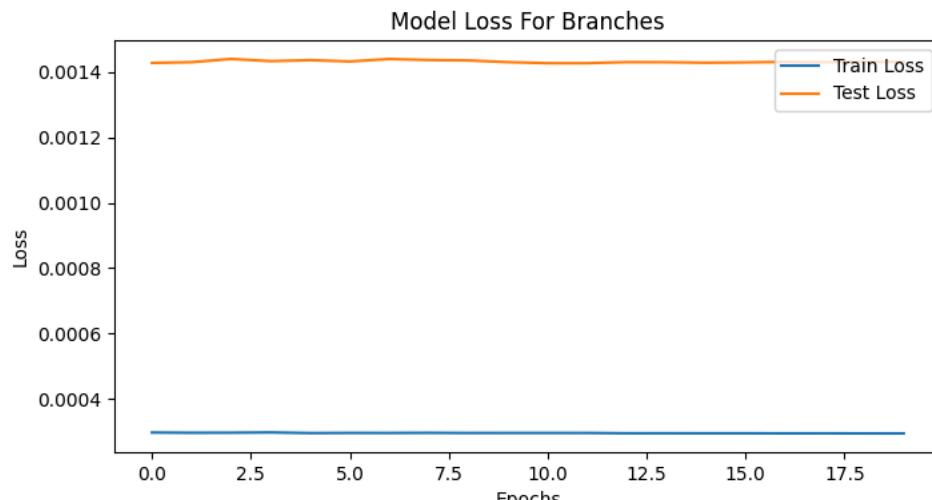
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Microsoft-Autogen

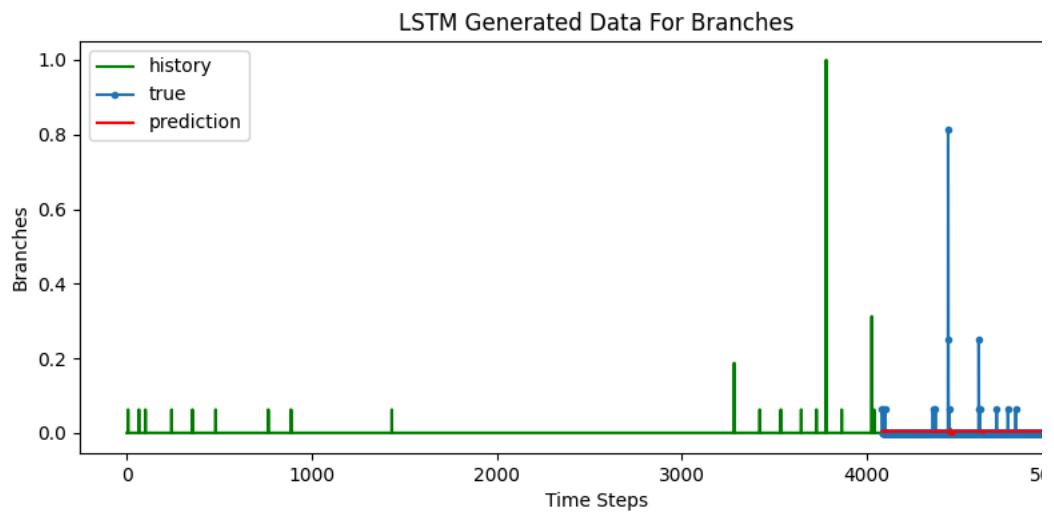
Openai-Cookbook

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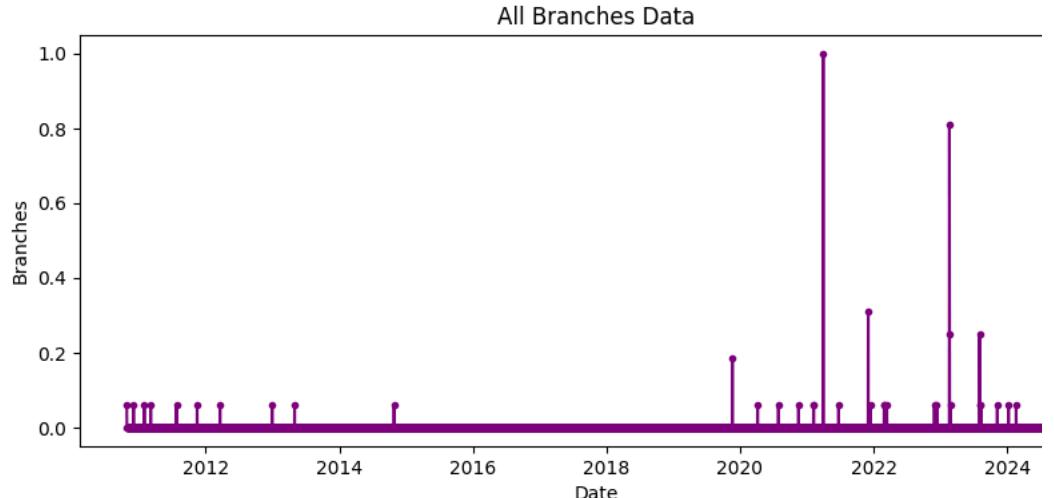
Pymilvus



LSTM Generated Data for Branches



All Issues Data for Branches

**Timeseries Forecasting of Branches using StatsModel**

Observation Graph of Branches

Number of stars

Number of forks

LangChainai-Langchain

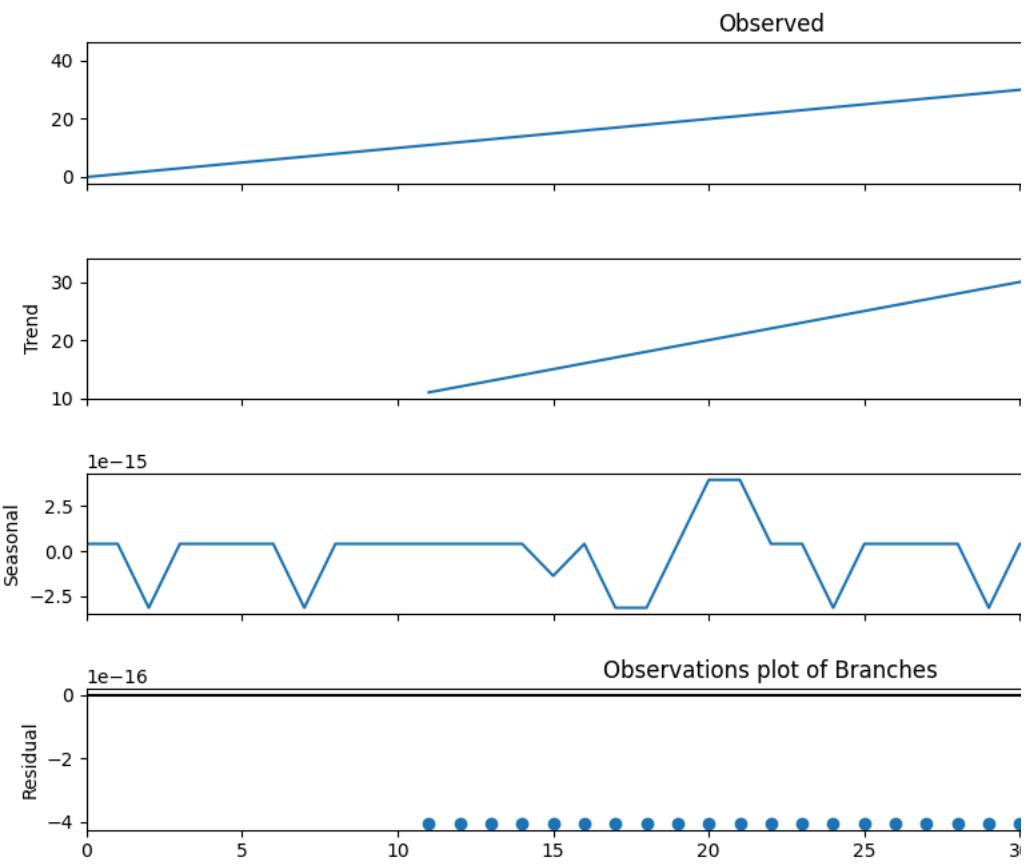
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Microsoft-Autogen

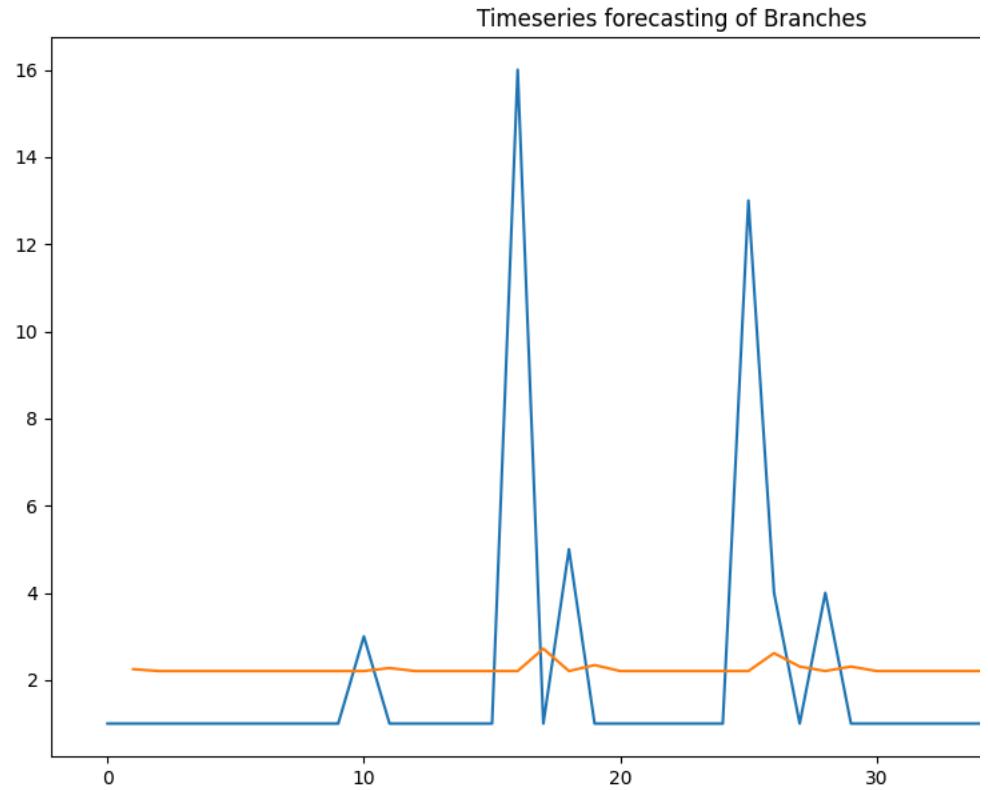
Openai-Cookbook

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Time Series Forecasting of Branches



Timeseries Forecasting of Branches using Facebook/Prophet

Forecast of Branches

Number of stars

Number of forks

LangChainai-Langchain

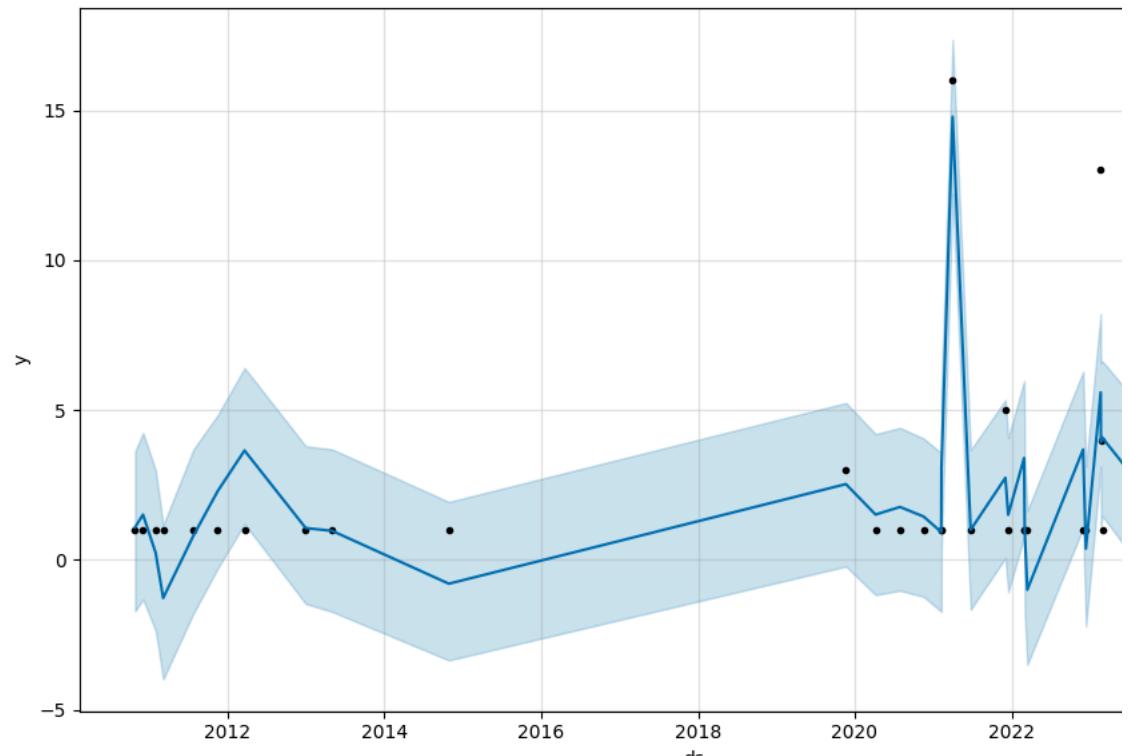
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

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Forecast Components of Branches

Number of stars

Number of forks

LangChainai-Langchain

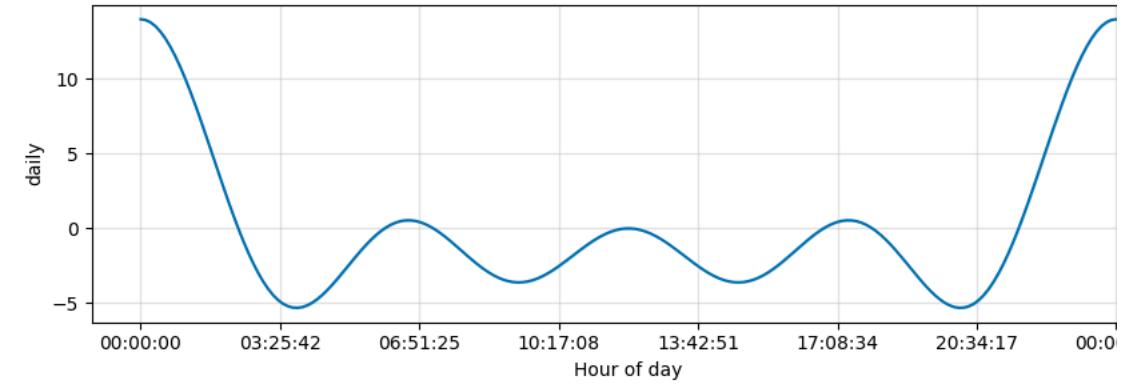
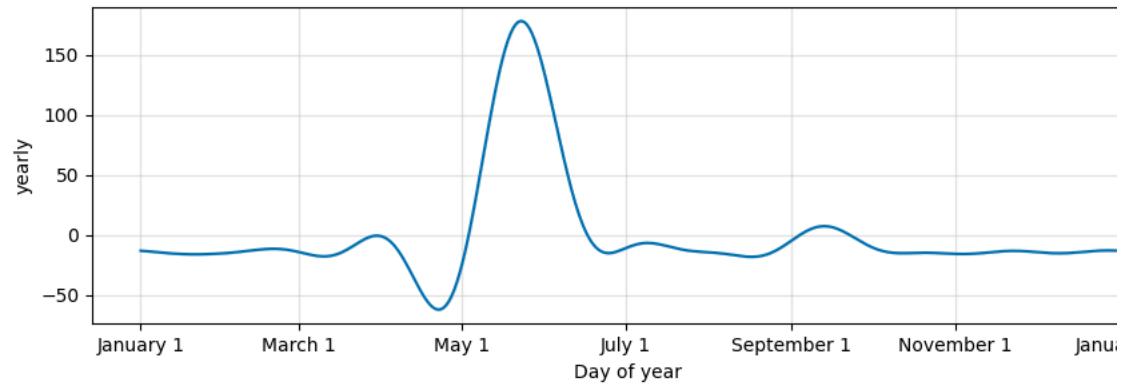
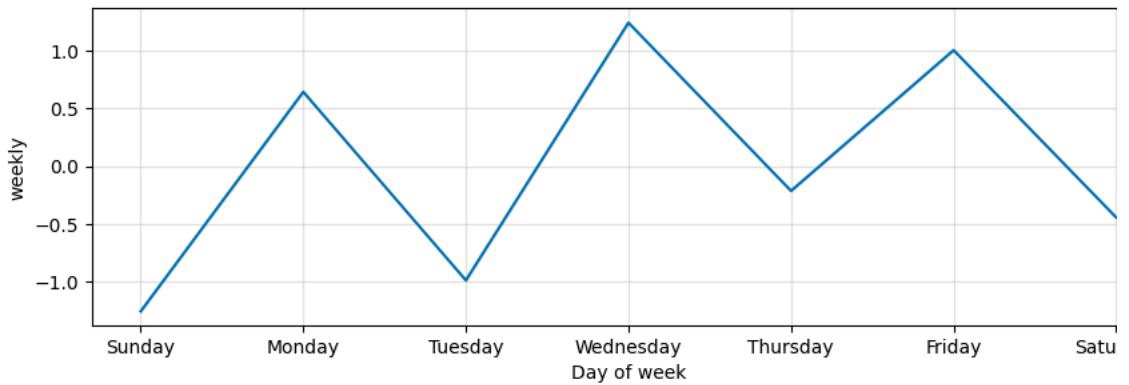
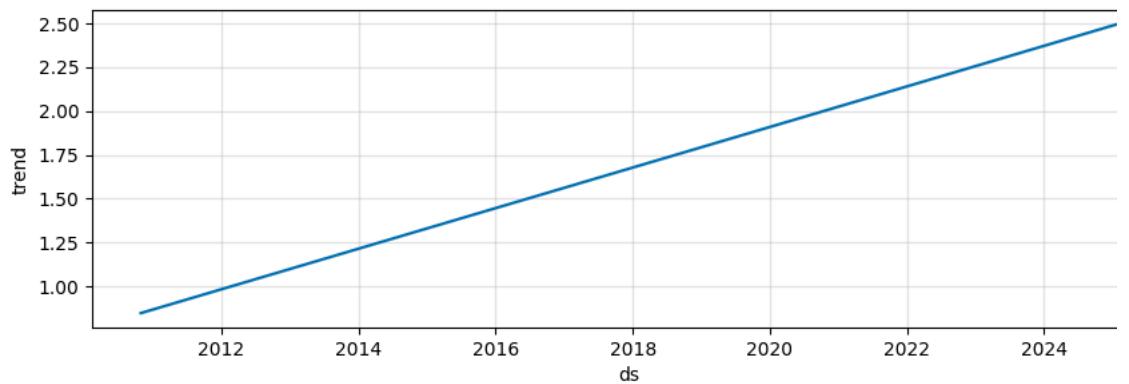
LangChainai-Langgraph

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Timeseries Forecasting by Nency patel - Assignment 5 Part 1

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

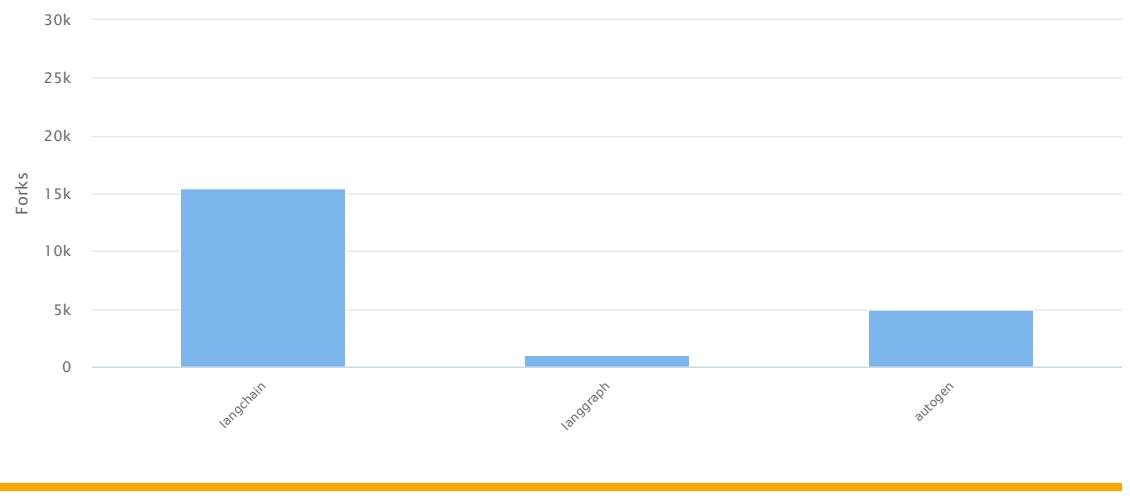
Microsoft-Autogen

Openai-Cookbook

elasticsearch

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Number of forks for each project



Timeseries Forecasting by Nency patel - Assignment 5 Part 1

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

Microsoft-Autogen

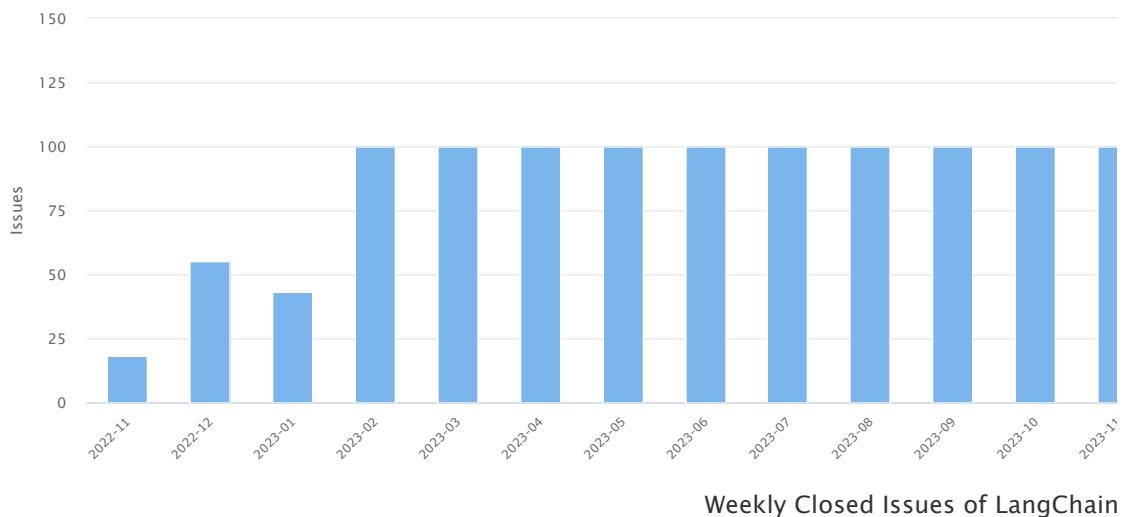
Openai-Cookbook

elasticsearch

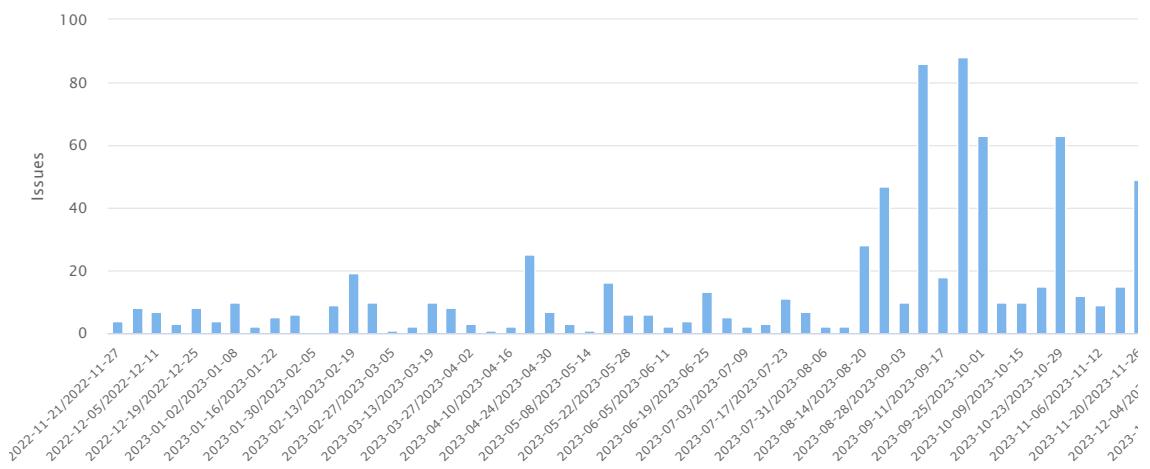
Pymilvus



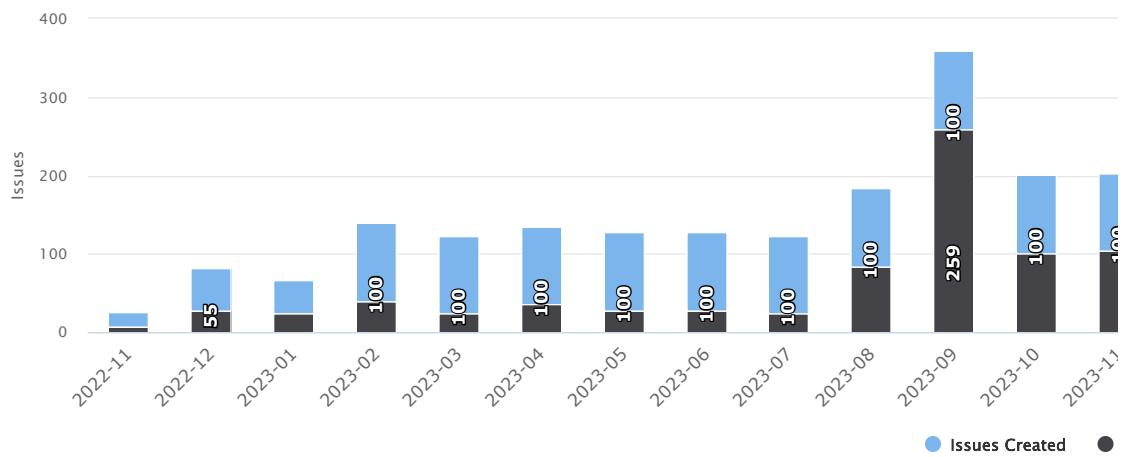
Monthly Created Issues of LangChainai-Langchain



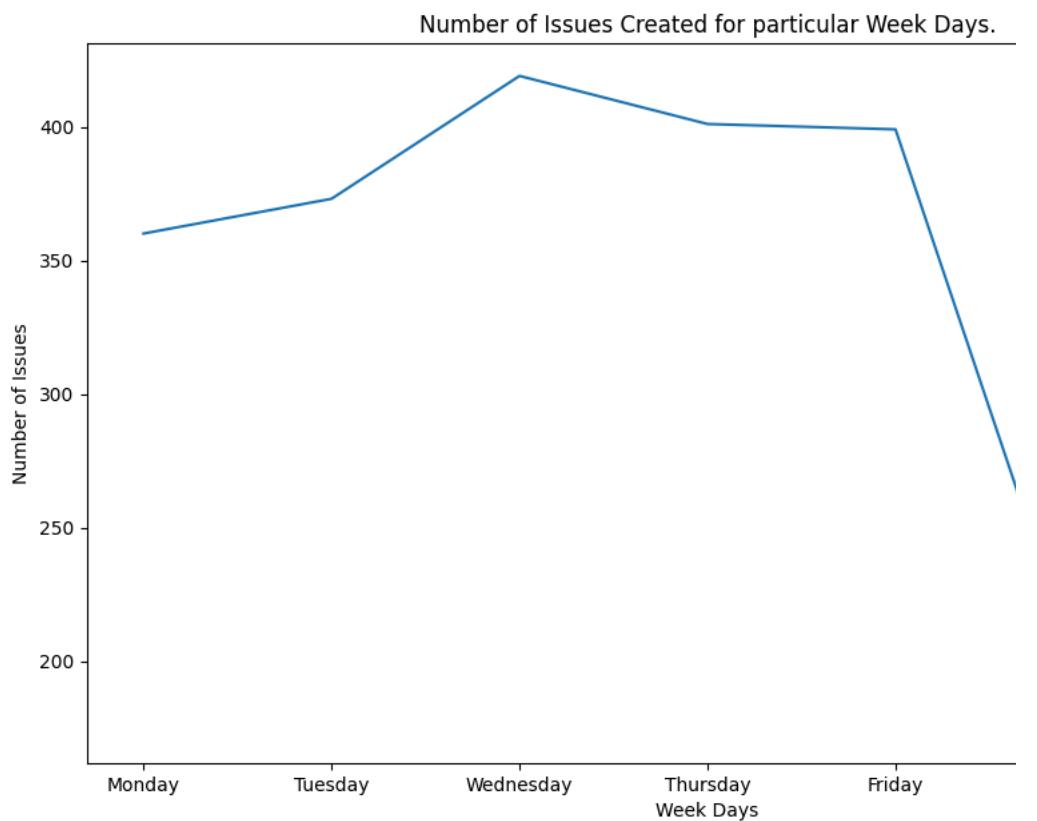
Weekly Closed Issues of LangChainai-Langchain



Created and Closed Issues of LangChain



The day of the week maximum number of issues created



The day of the week maximum number of issues Closed

Number of stars

Number of forks

LangChainai-Langchain

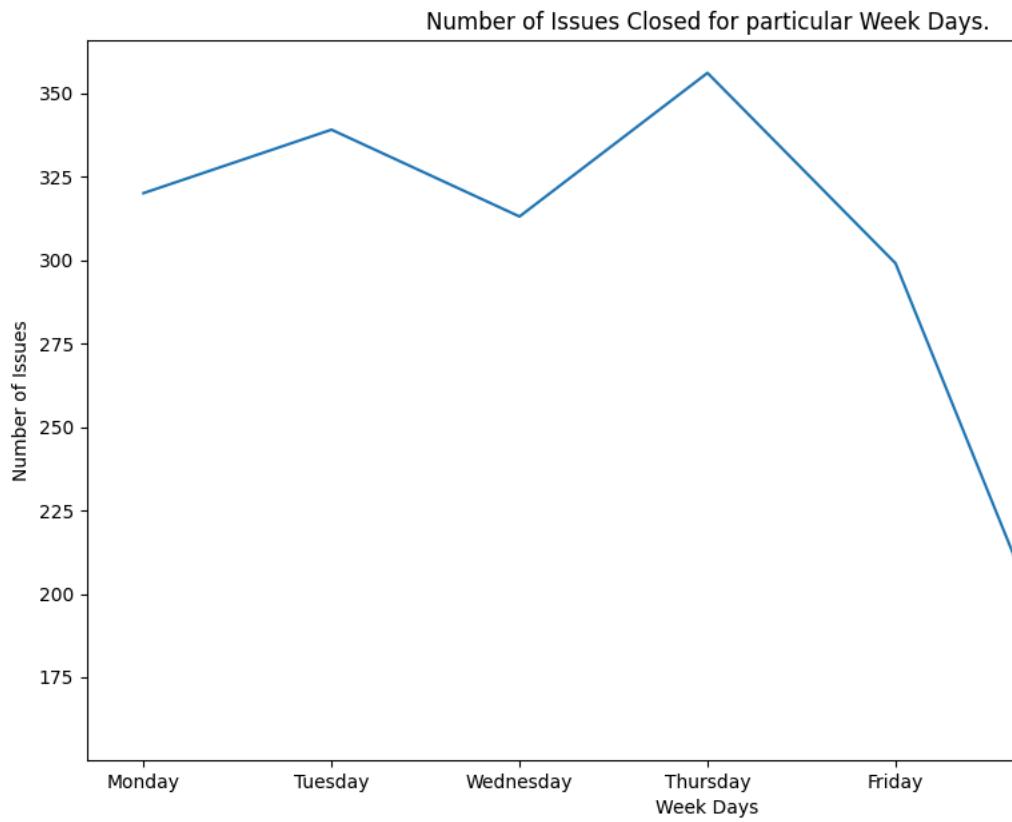
LangChainai-Langgraph

Microsoft-Autogen

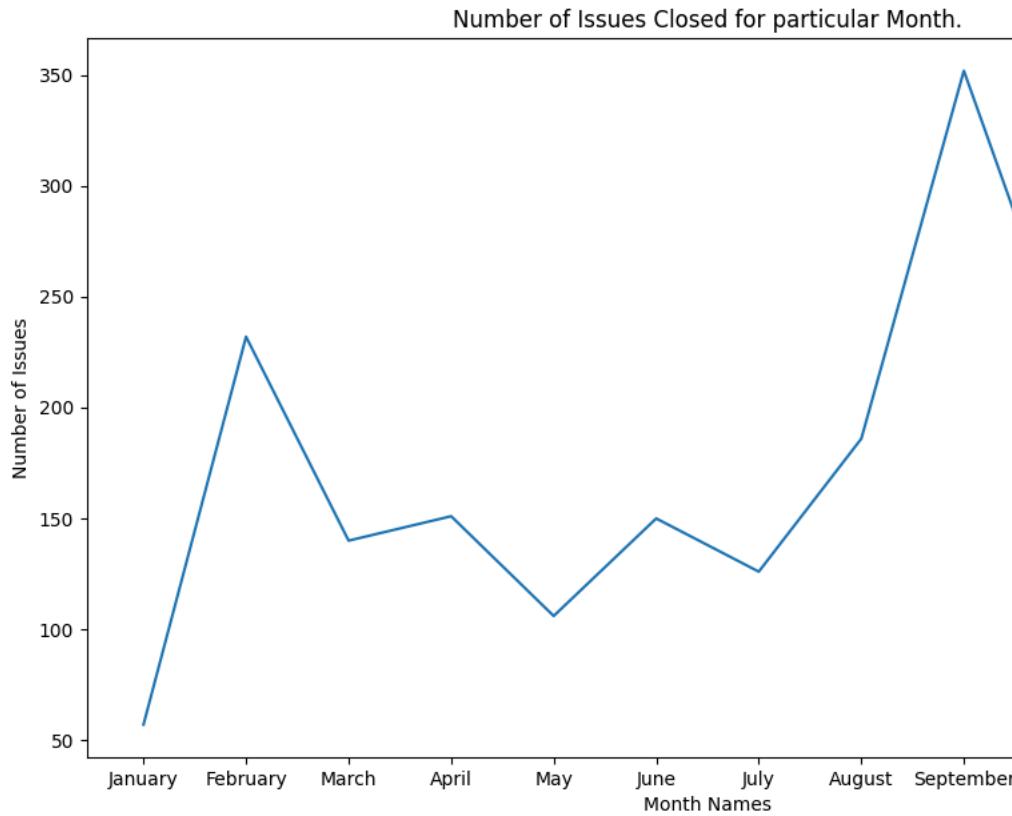
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The month of the year that has maximum number of issues closed



Timeseries Forecasting of Created Issues using Tensorflow and Keras LSTM ba

Model Loss for Created Issues

Number of stars

Number of forks

LangChainai-Langchain

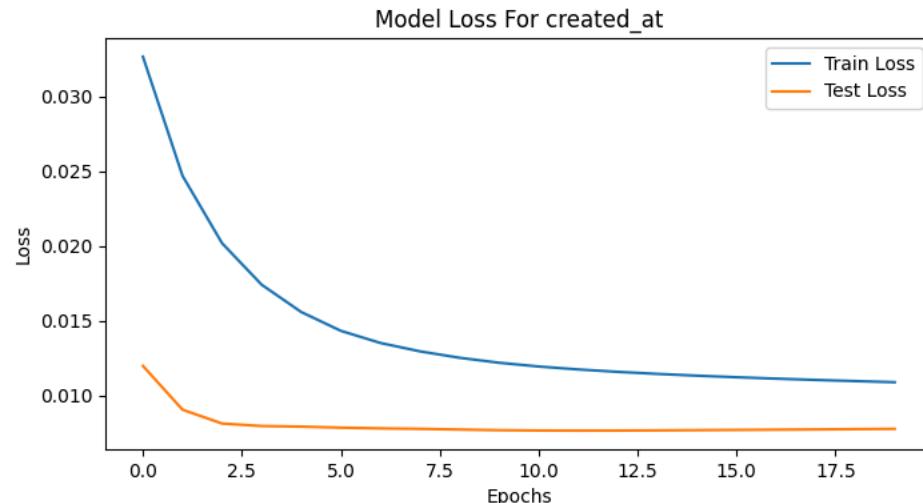
LangChainai-Langgraph

Microsoft-Autogen

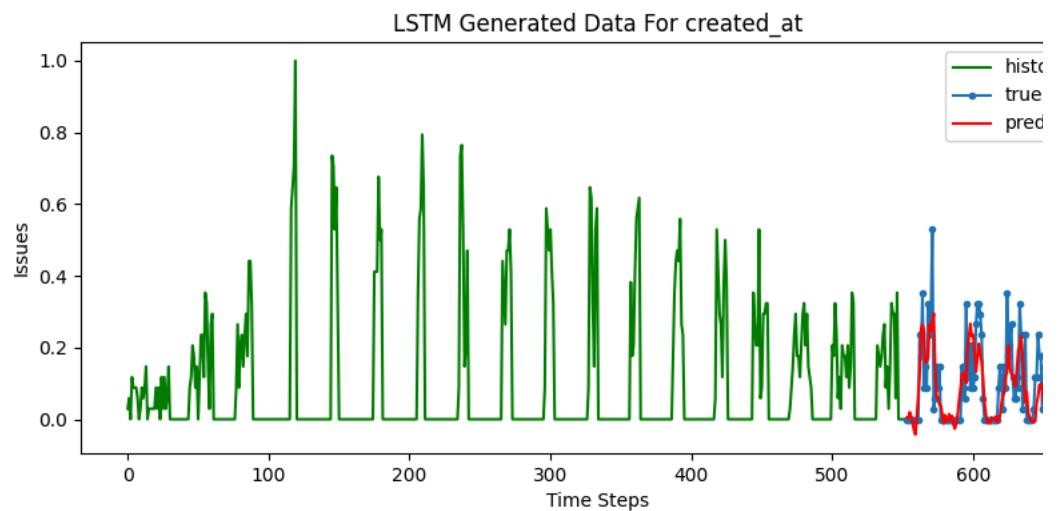
Openai-Cookbook

elasticsearch

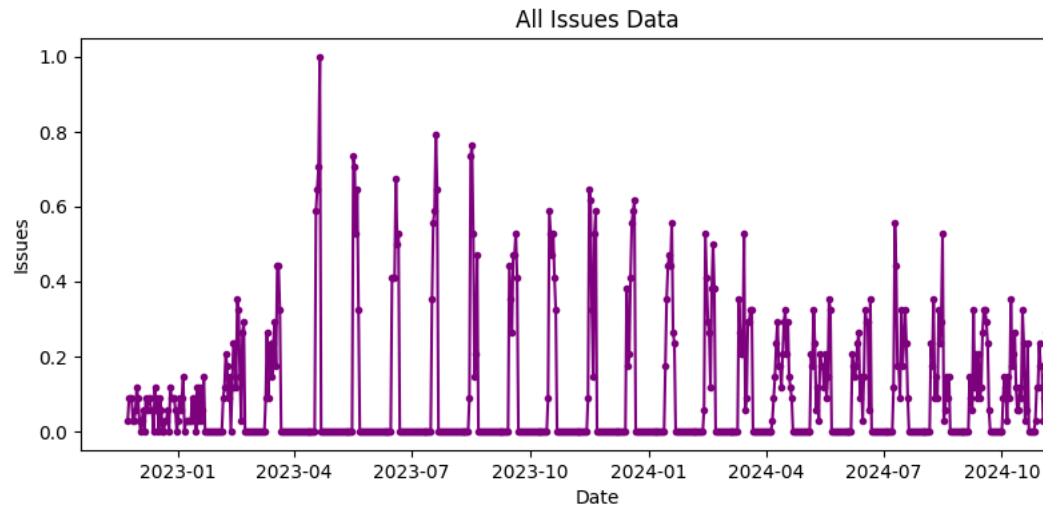
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LSTM Generated Data for Created Issues



All Issues Data for Created Issues



Timeseries Forecasting of Closed Issues using Tensorflow and Keras LSTM bas

Model Loss for Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

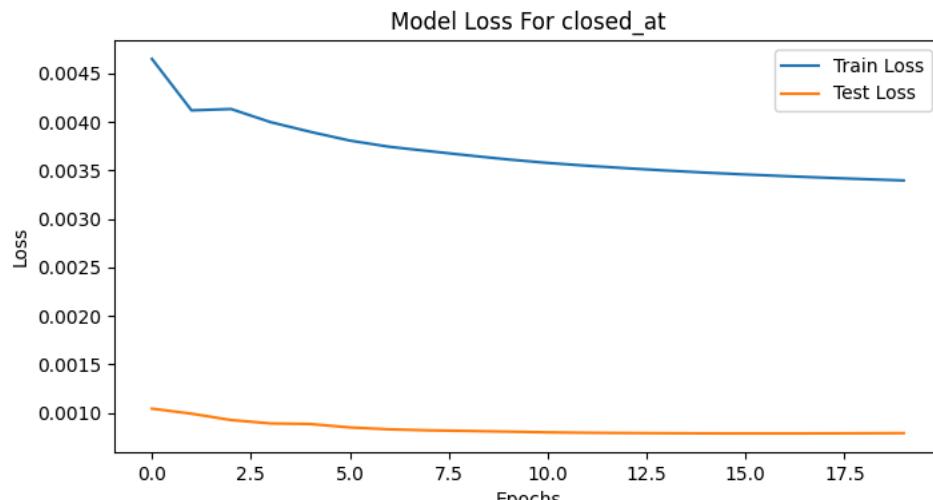
LangChainai-Langgraph

Microsoft-Autogen

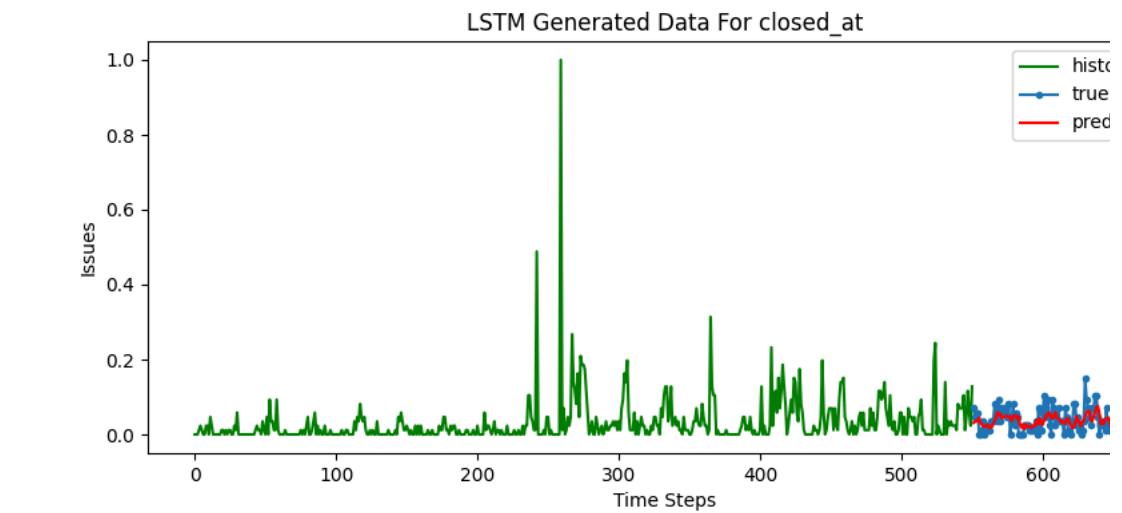
Openai-Cookbook

elasticsearch

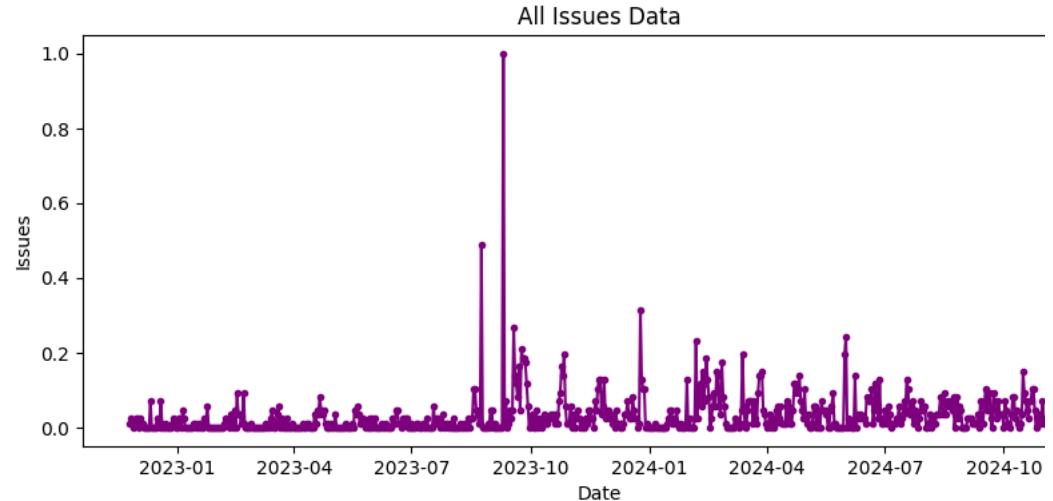
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LSTM Generated Data for Closed Issues

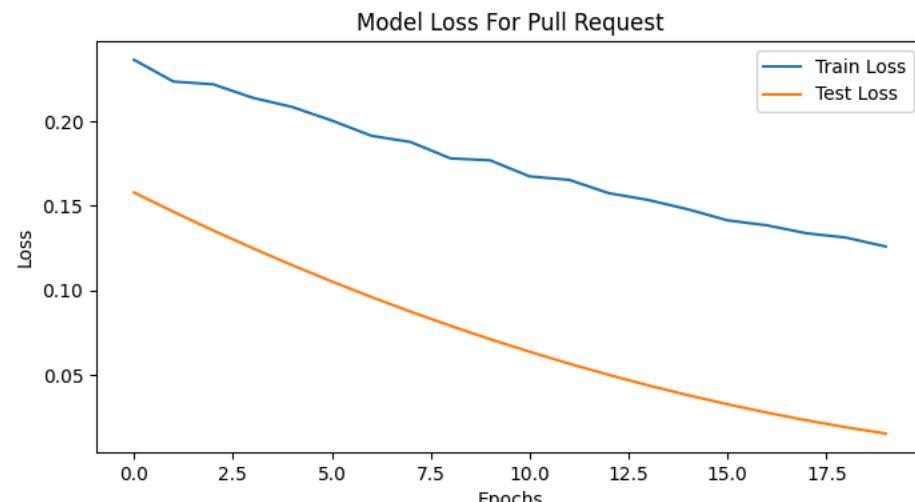


All Issues Data for Closed Issues

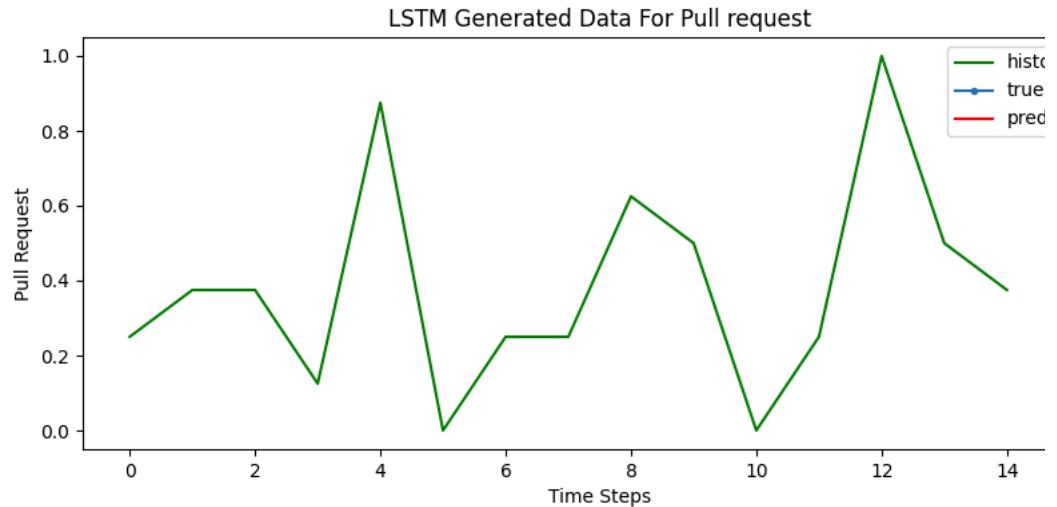


Timeseries Forecasting of Pull Requests using Tensorflow and Keras LSTM based Model Loss for Pull Requests

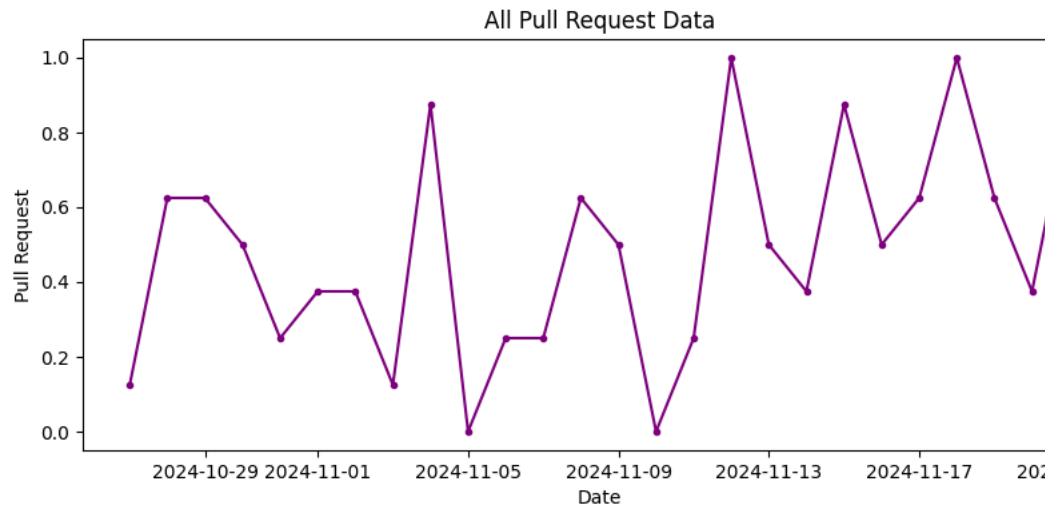
Number of stars
 Number of forks
LangChainai-Langchain
 LangChainai-Langgraph
 Microsoft-Autogen
 Openai-Cookbook



LSTM Generated Data for Pull Requests



All Issues Data for Pull Requests



Timeseries Forecasting of Commits using Tensorflow and Keras LSTM based or Model Loss for Commits

Number of stars

Number of forks

LangChainai-Langchain

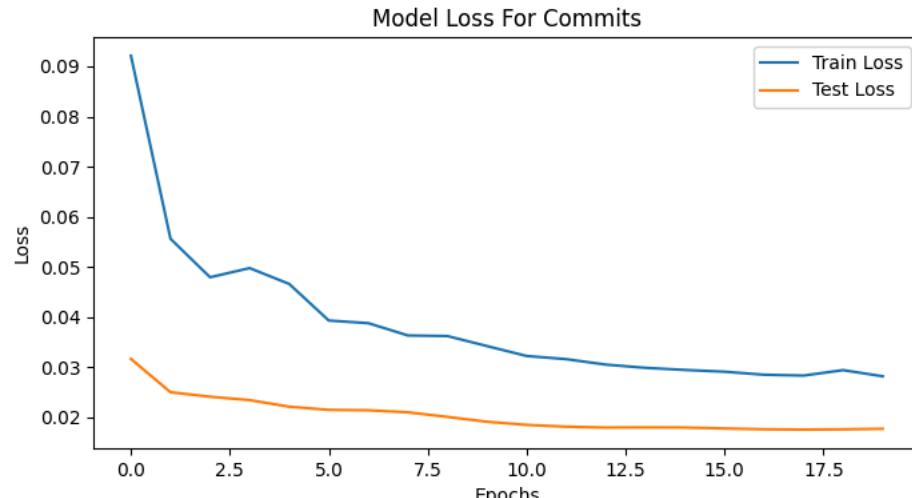
LangChainai-Langgraph

Microsoft-Autogen

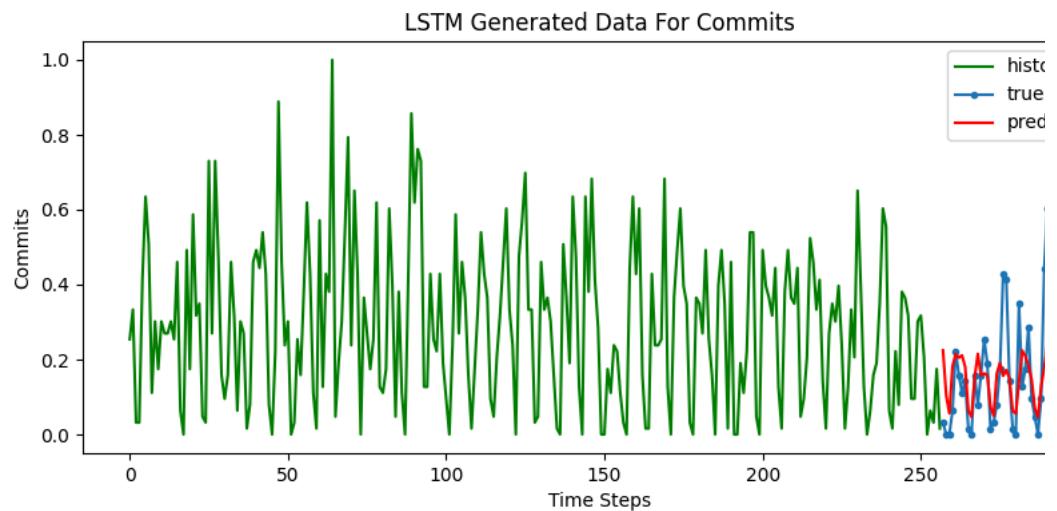
Openai-Cookbook

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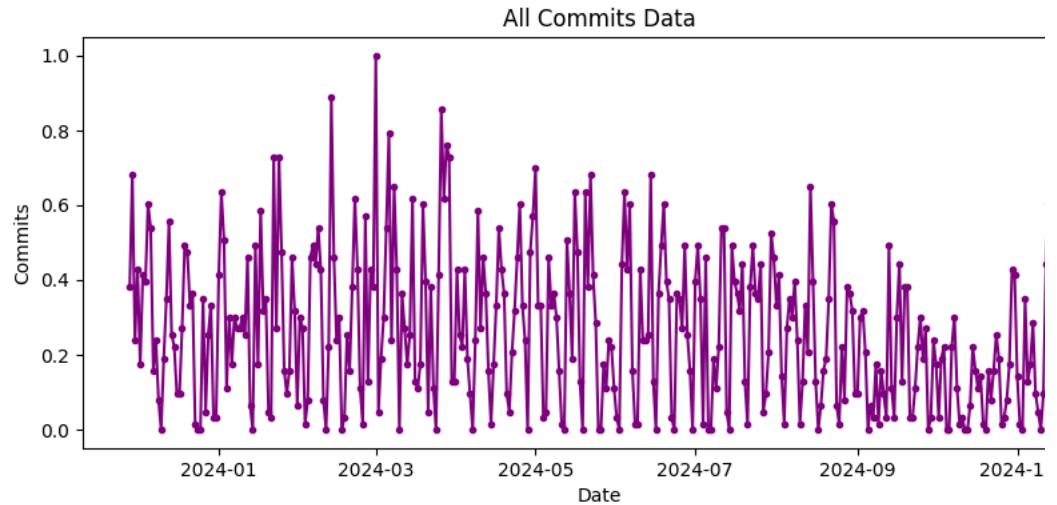
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LSTM Generated Data for Commits



All Issues Data for Commits



Timeseries Forecasting of Created Issues using Facebook/Prophet based on past
Forecast of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

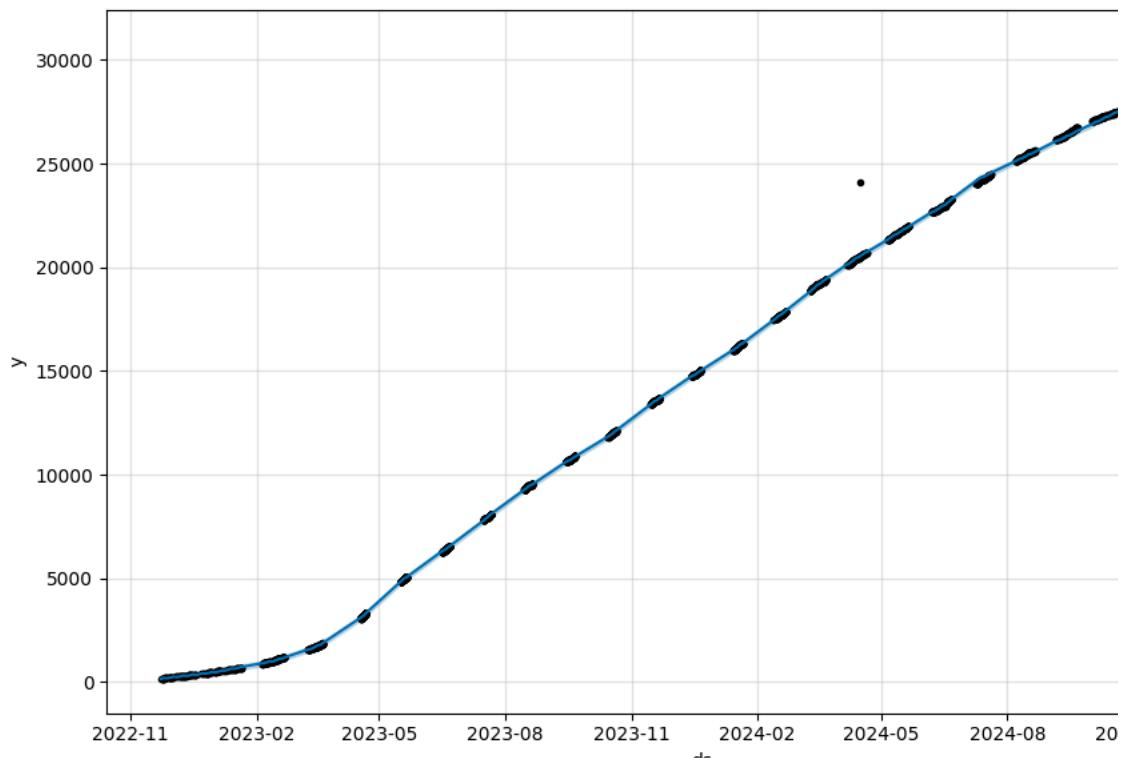
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

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Forecast Components of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

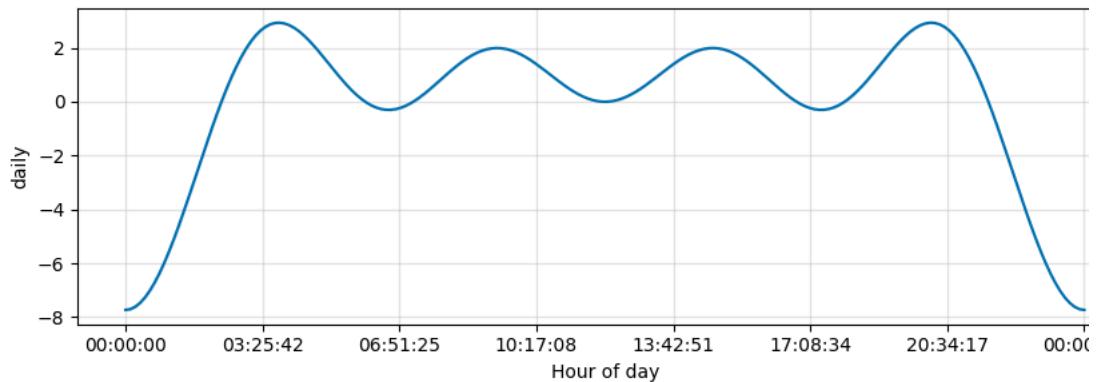
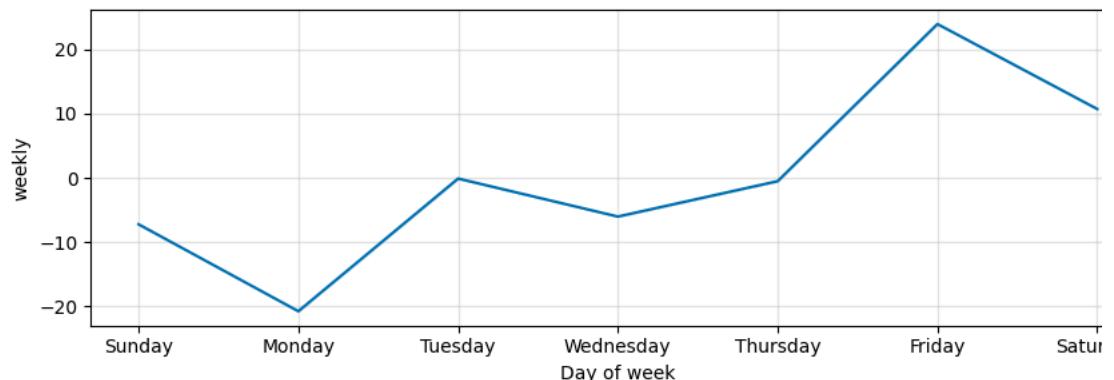
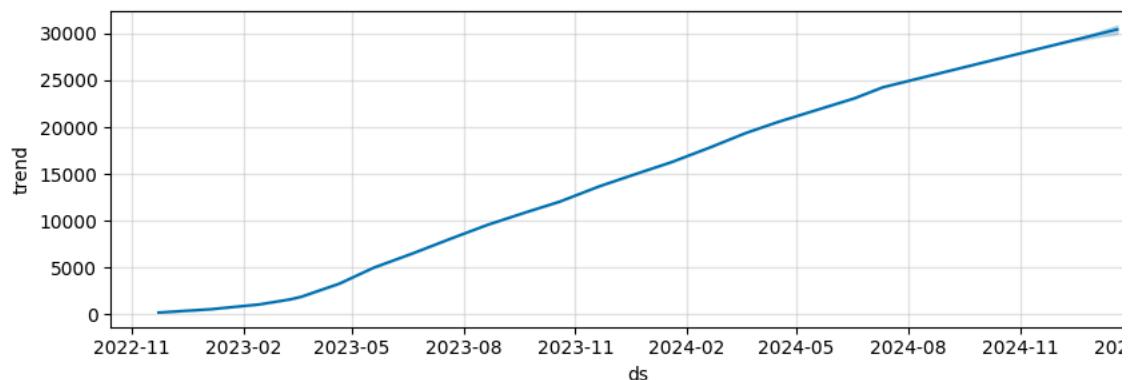
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

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Timeseries Forecasting of Closed Issues using Facebook/Prophet based on past data

Forecast of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

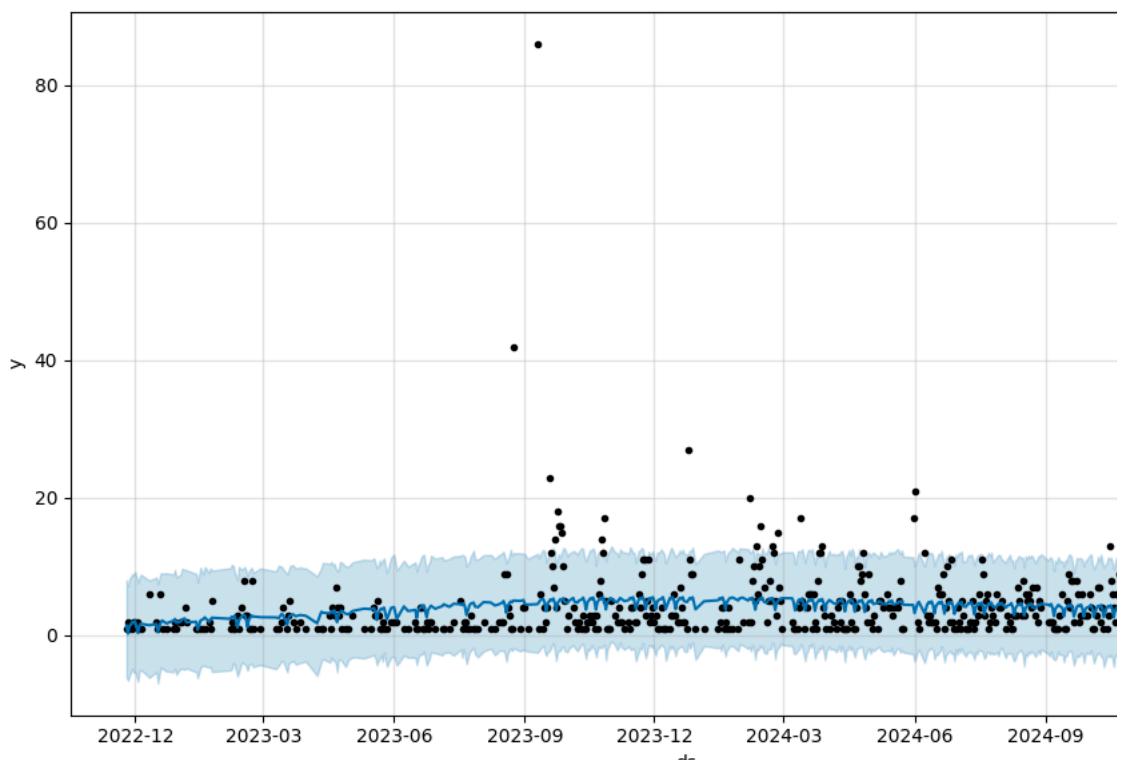
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

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Forecast Components of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

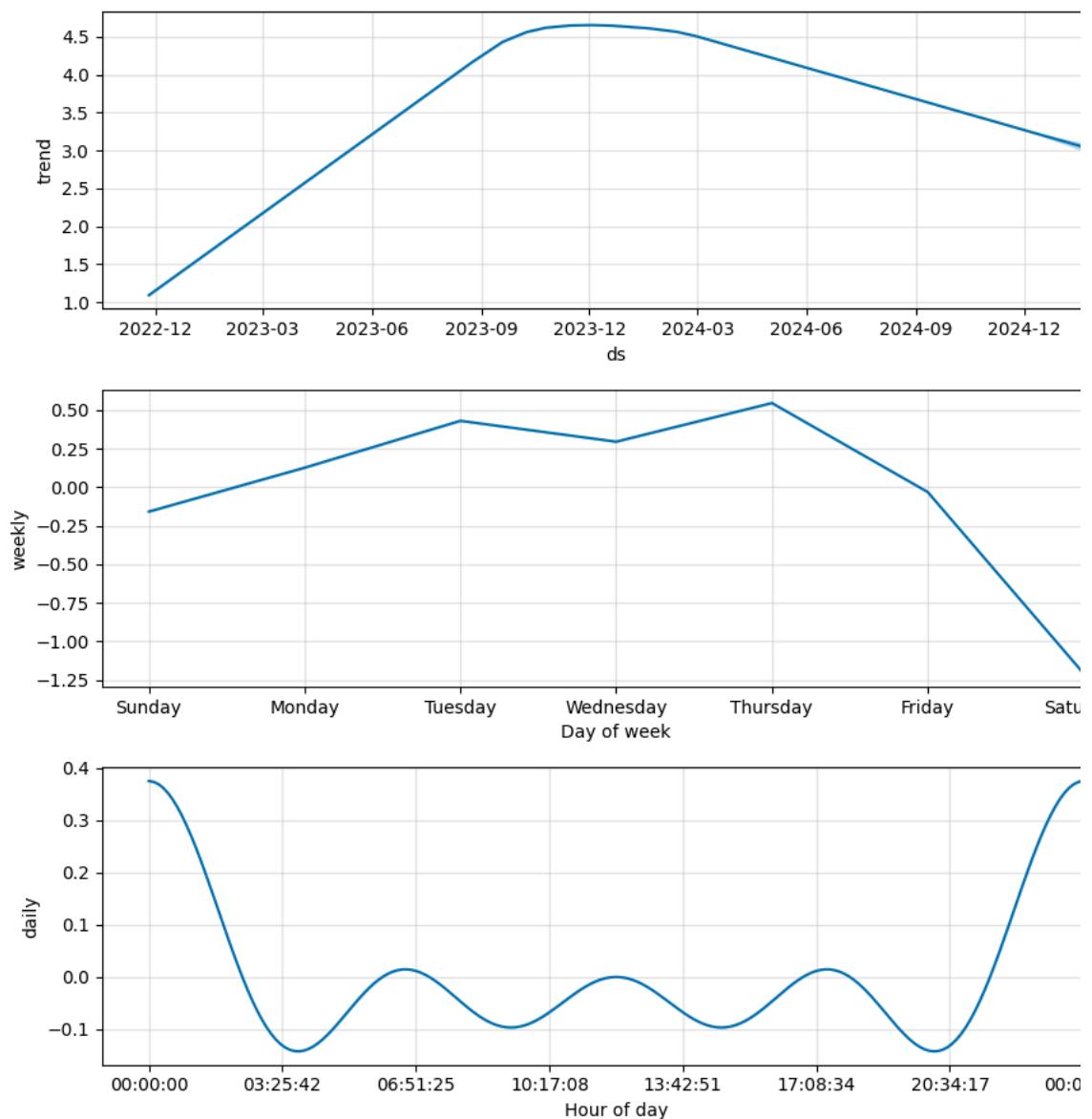
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

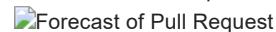
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Timeseries Forecasting of Pull Request using Facebook/Prophet based on past

Forecast of Pull Request



Forecast Components of Pull Request



Timeseries Forecasting of Commits using Facebook/Prophet based on past mor

Forecast of Commits

Number of stars

Number of forks

LangChainai-Langchain

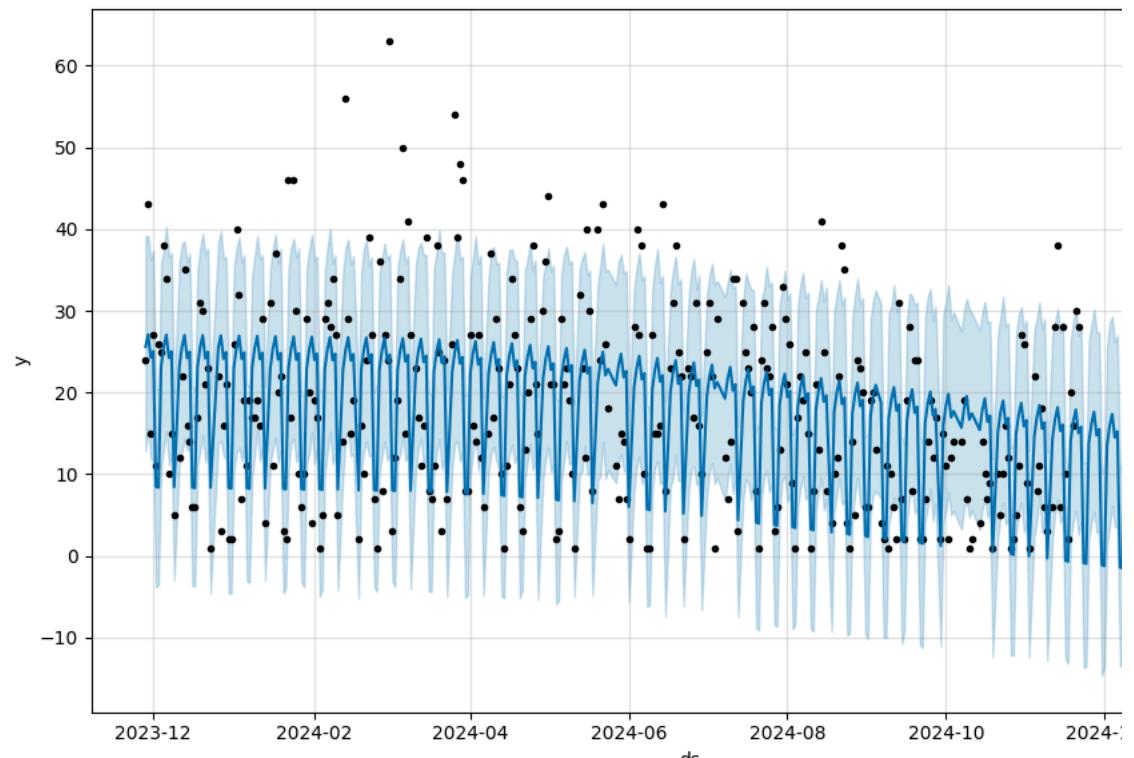
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

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Number of stars

Number of forks

LangChainai-Langchain

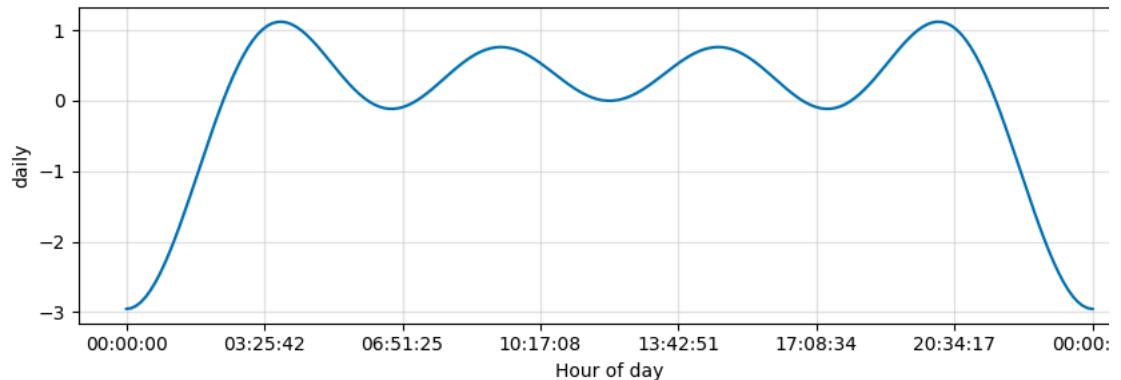
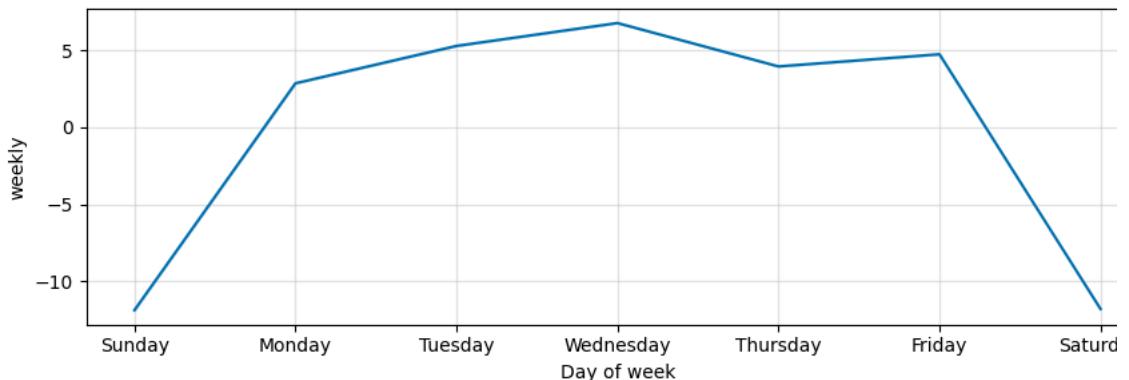
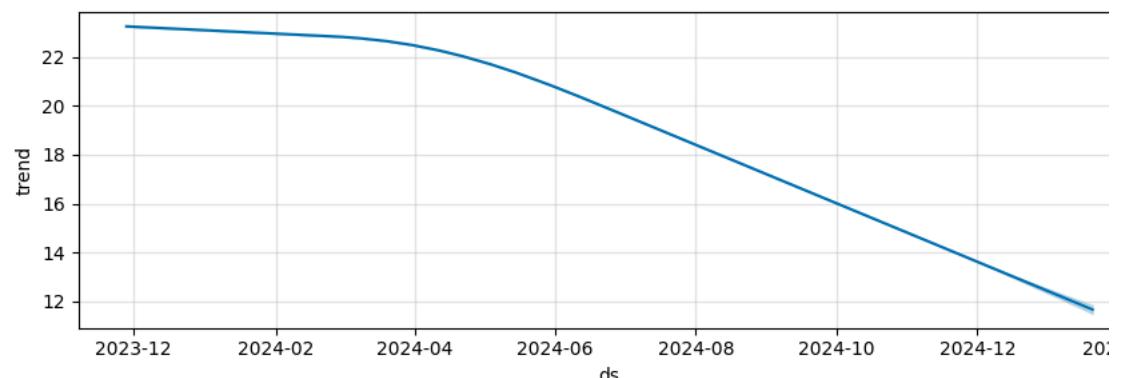
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

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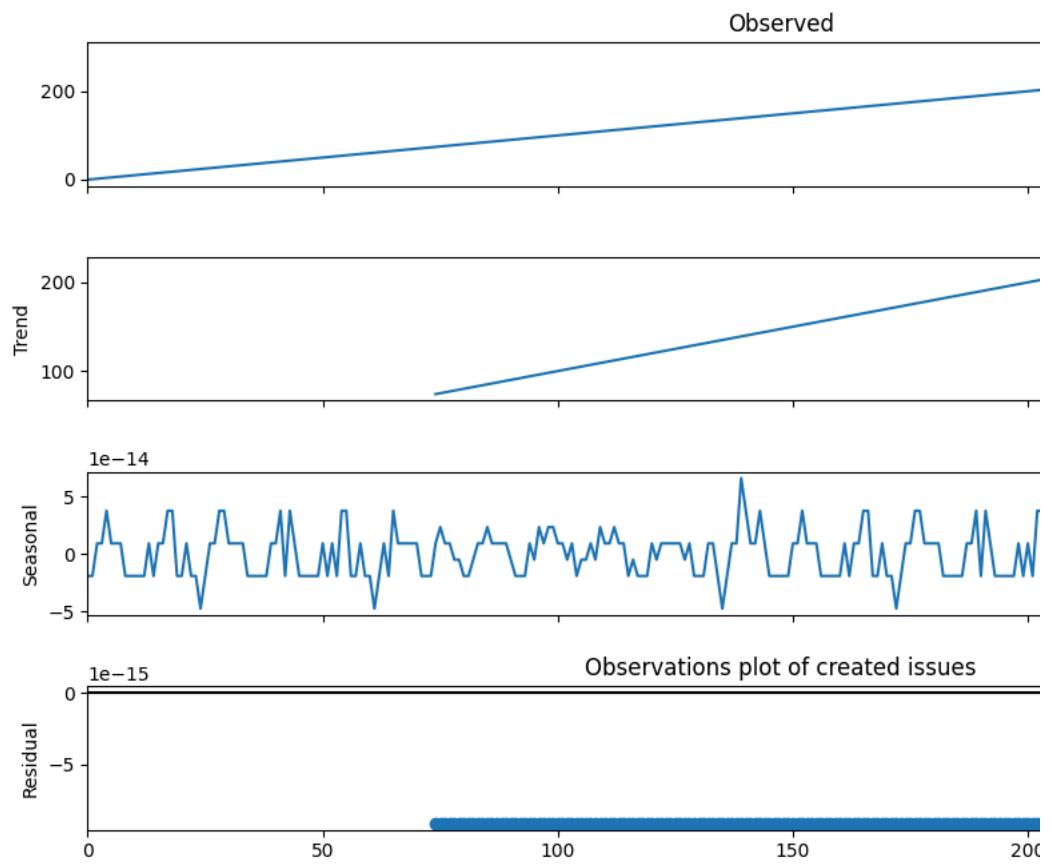


Timeseries Forecasting of Created Issues using StatsModel based on past month's data

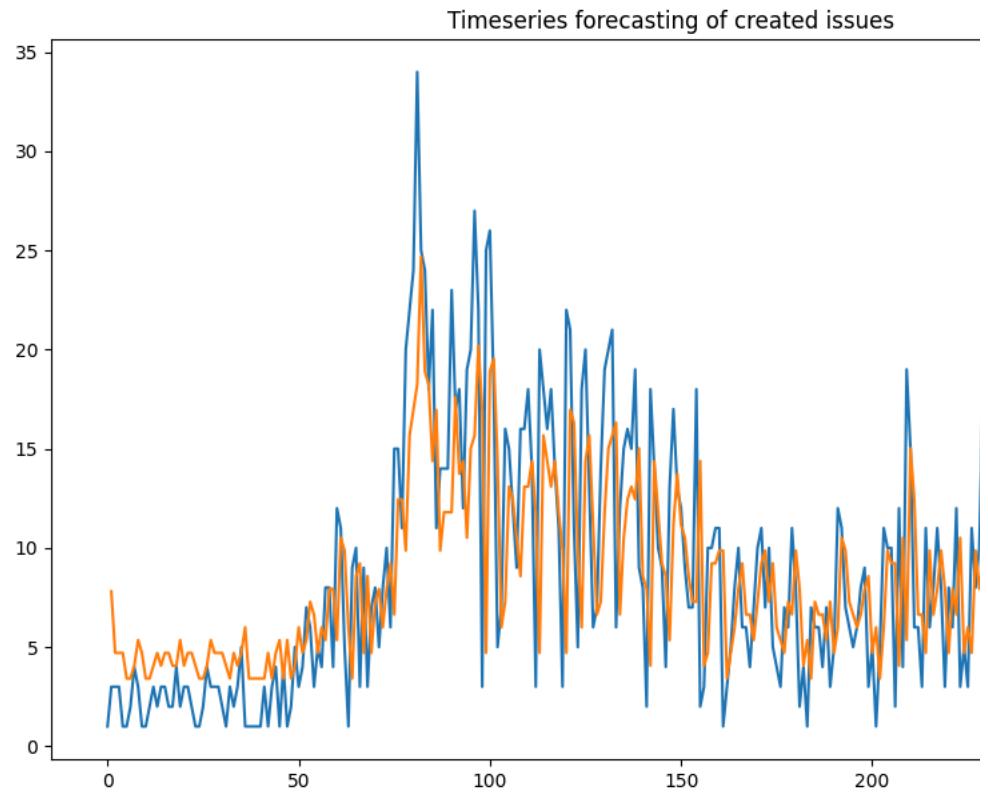
Observation Graph of Created Issues

Number of stars
Number of forks

LangChainai-Langchain
LangChainai-Langgraph
Microsoft-Autogen
Openai-Cookbook
elasticsearch
Pymilvus



Time Series Forecasting of Created Issues



Timeseries Forecasting of Closed Issues using StatsModel based on past month

Observation Graph of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

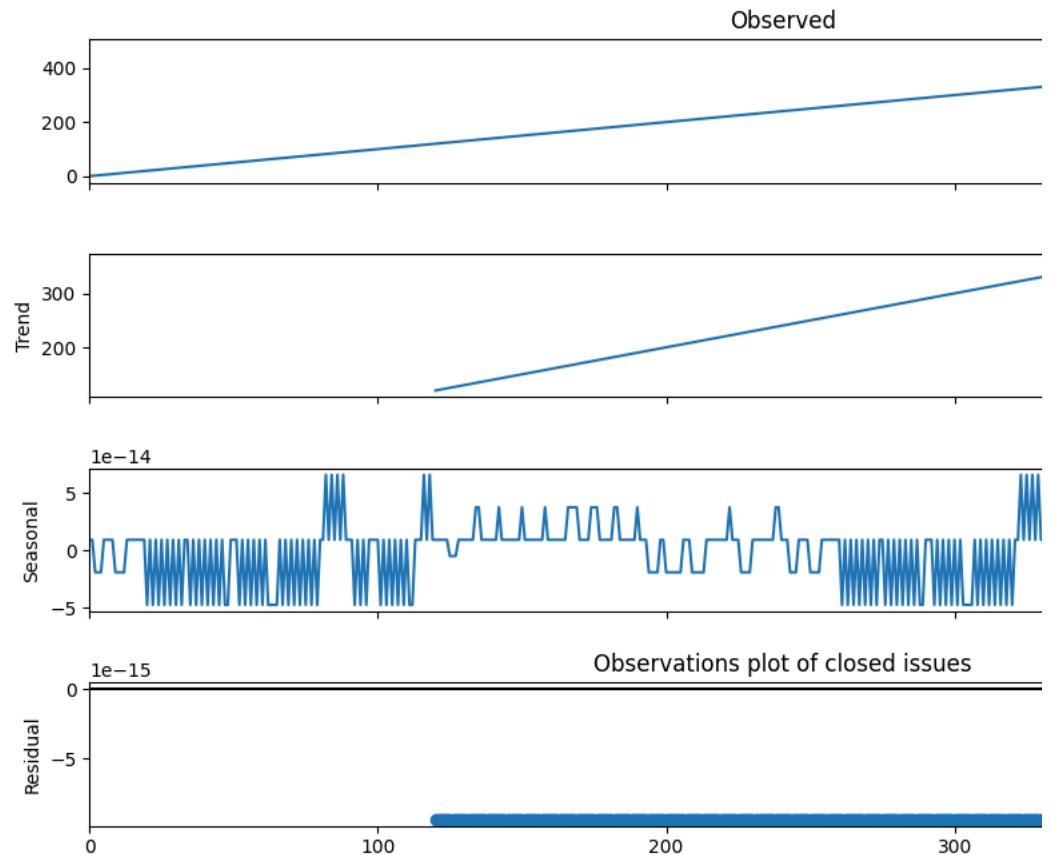
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

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Time Series Forecasting of Closed Issues

Timeseries forecasting of closed issues

Number of stars

Number of forks

LangChainai-Langchain

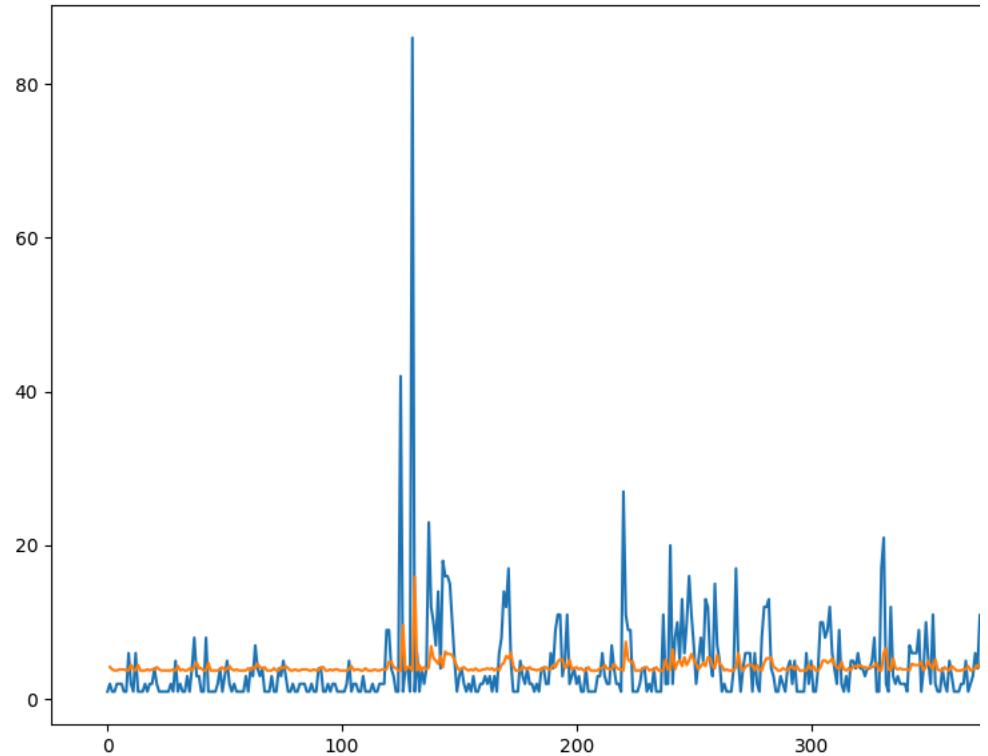
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

Pymilvus

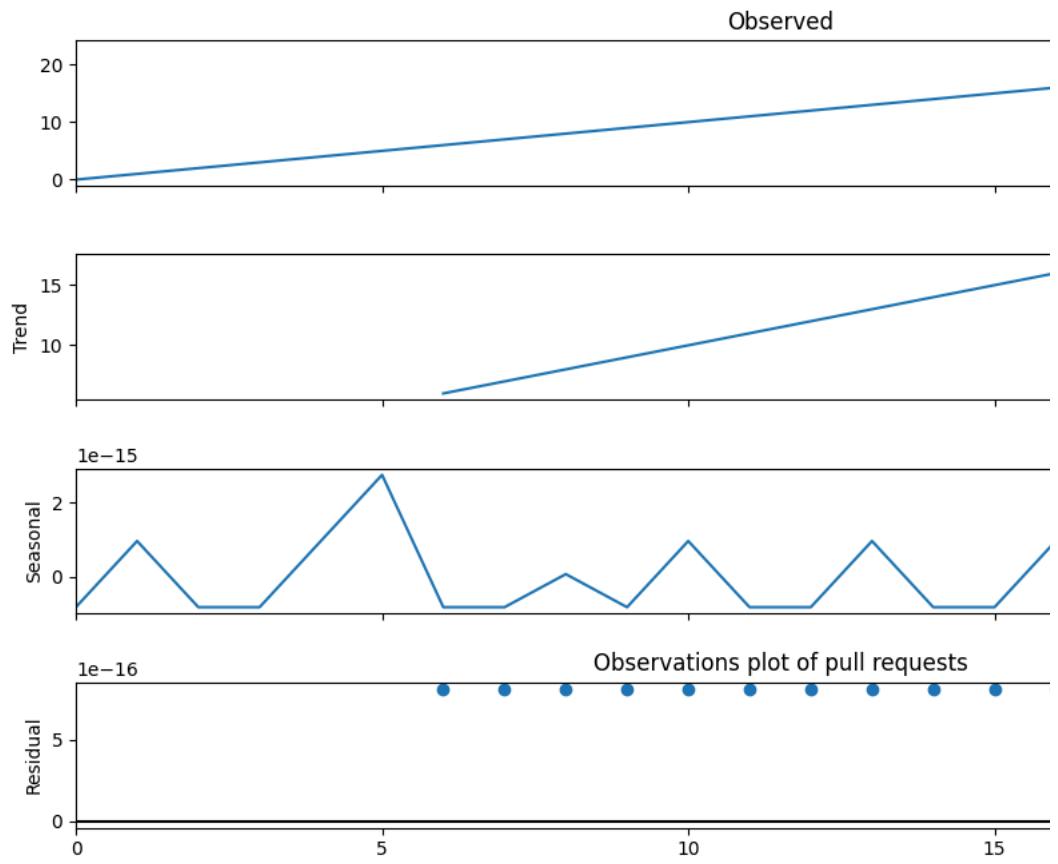


Timeseries Forecasting of Pull Request Issues using StatsModel based on past

Observation Graph of Pull Request Issues

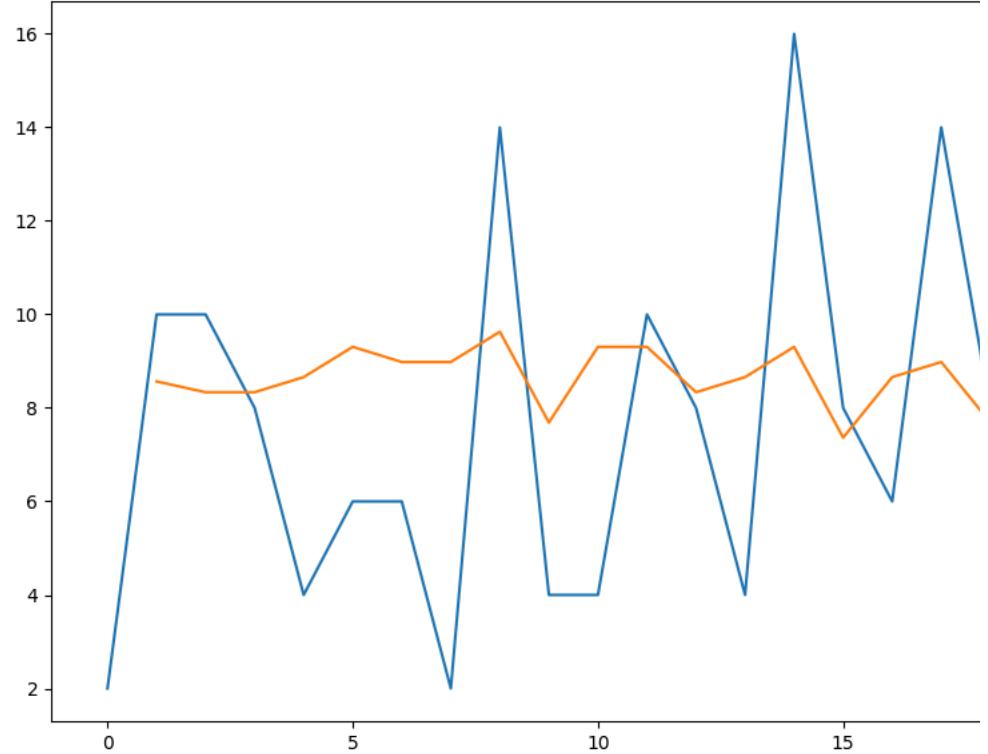
Number of stars
Number of forks

LangChainai-Langchain
LangChainai-Langgraph
Microsoft-Autogen
Openai-Cookbook
elasticsearch
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Time Series Forecasting of Pull Request Issues

Timeseries forecasting of pull requests



Timeseries Forecasting of Commits Issues using StatsModel based on past more

Observation Graph of Commits Issues

Number of stars

Number of forks

LangChainai-Langchain

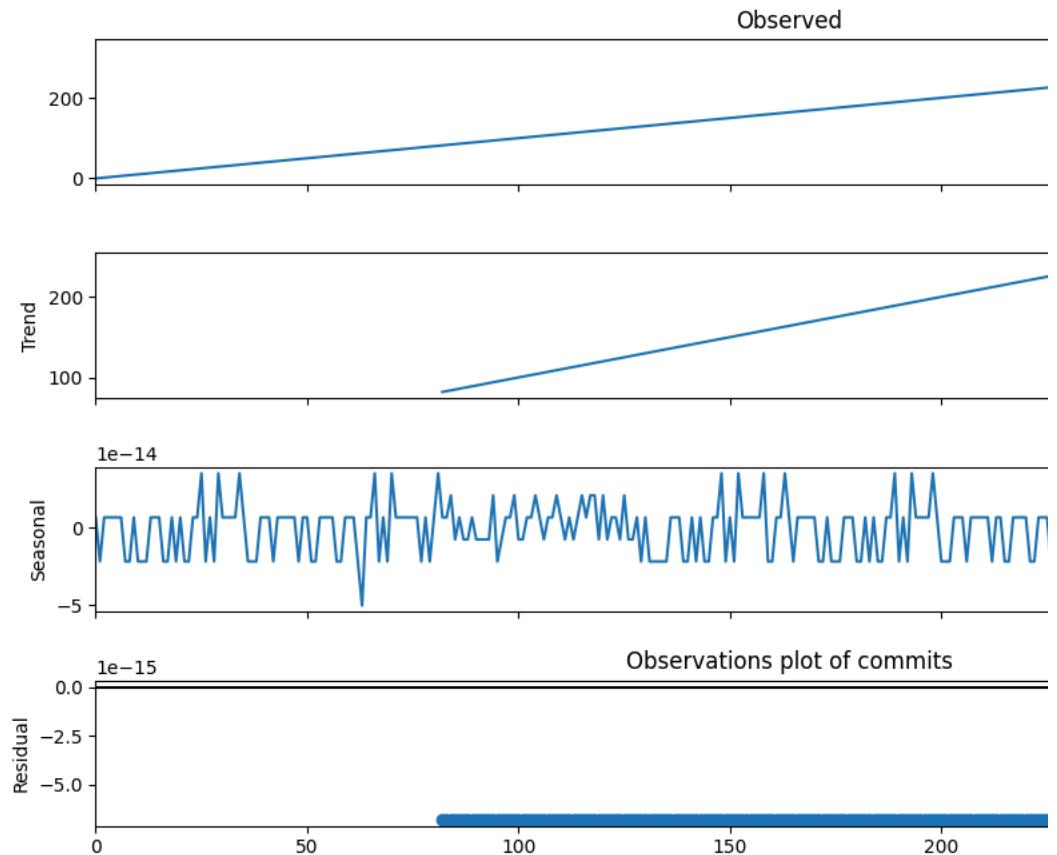
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

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Time Series Forecasting of Commits Issues

Timeseries forecasting of commits

Number of stars

Number of forks

LangChainai-Langchain

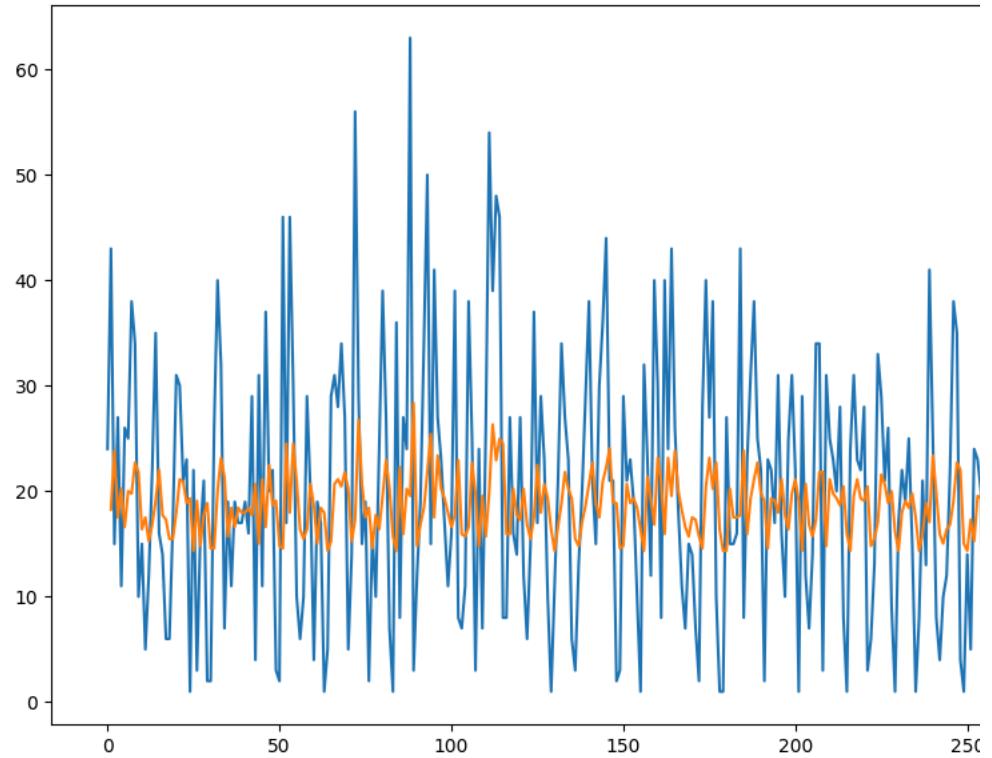
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

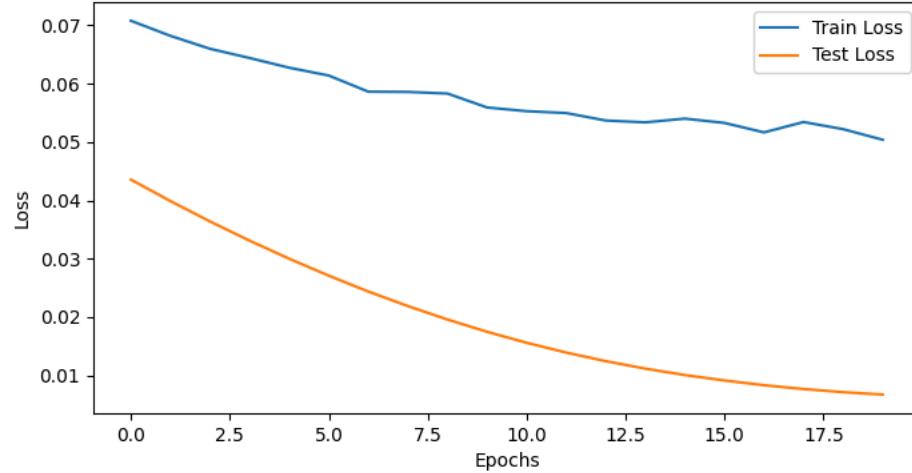
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Timeseries Forecasting of Releases using Tensorflow and Keras LSTM

Model Loss for Releases

Model Loss For Releases



LSTM Generated Data for Releases

Number of stars

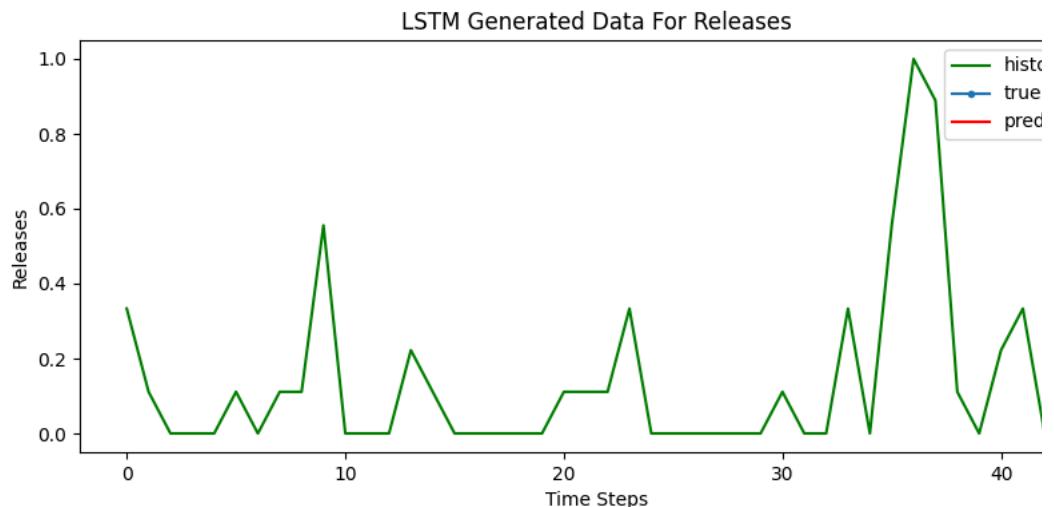
Number of forks

LangChainai-Langchain

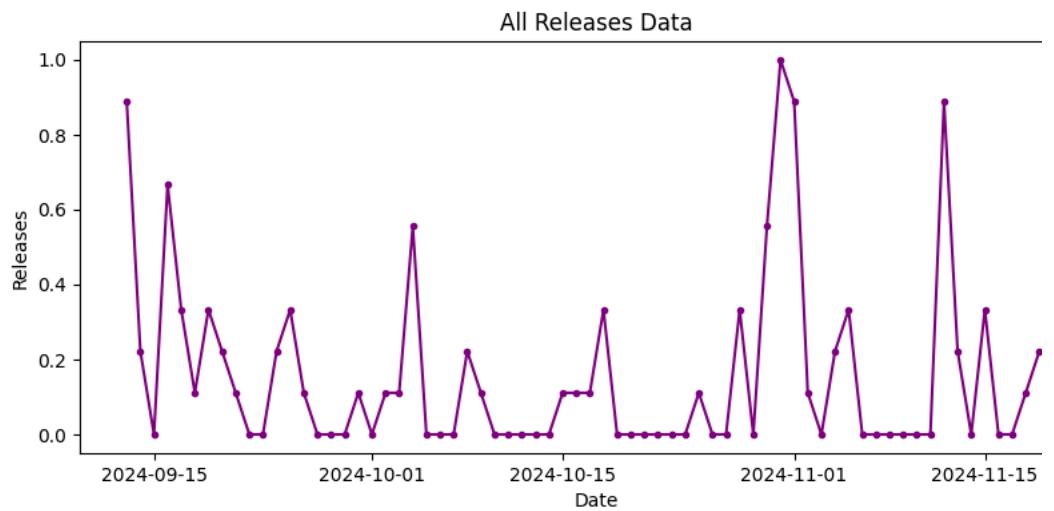
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook



All Issues Data for Releases

**Timeseries Forecasting of Release using StatsModel**

Observation Graph of Release Issues

Number of stars

Number of forks

LangChainai-Langchain

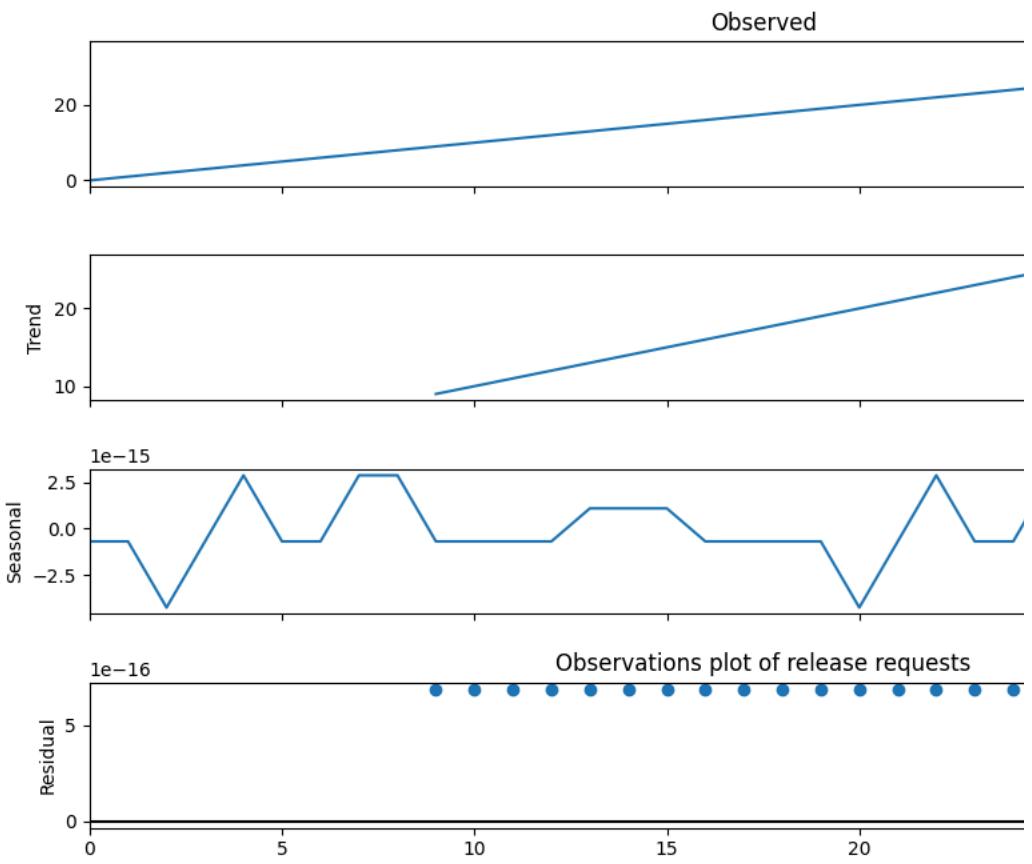
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

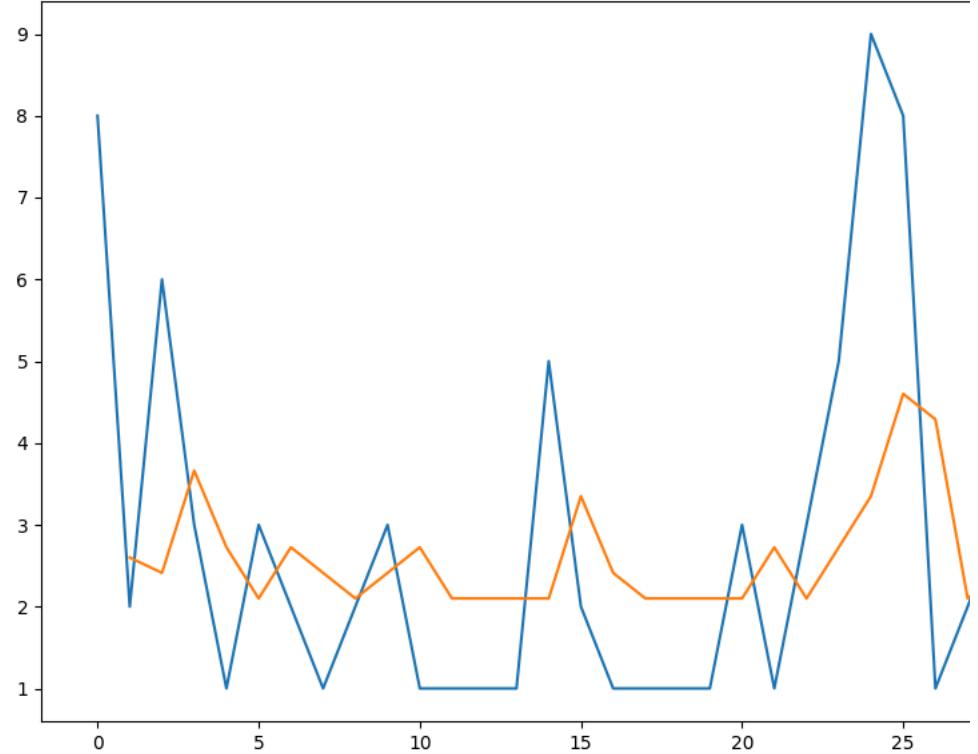
elasticsearch

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Time Series Forecasting of Releases

Timeseries forecasting of release requests



Timeseries Forecasting of Release using Facebook/Prophet

No Release Data available for the repository

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

Microsoft-Autogen

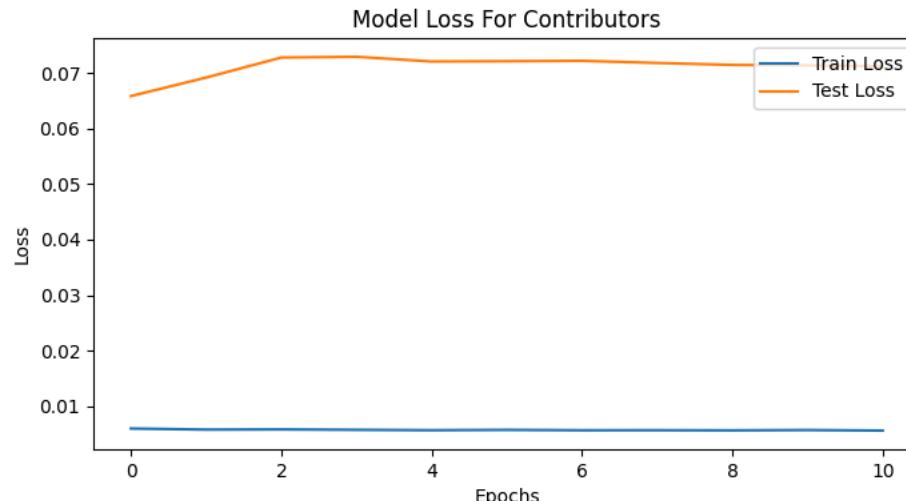
Openai-Cookbook

elasticsearch

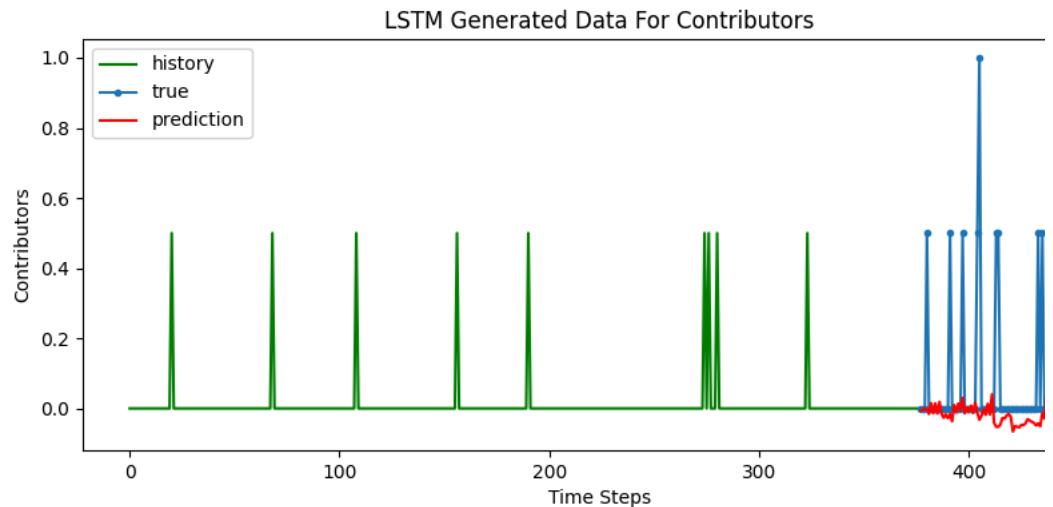
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Timeseries Forecasting of Contributors using Tensorflow and Keras LSTM

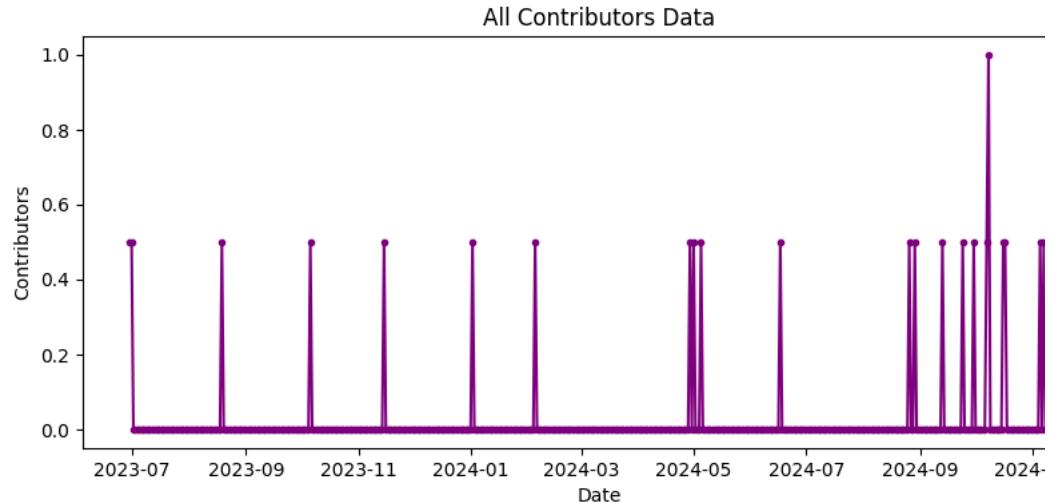
Model Loss for Contributors



LSTM Generated Data for Contributors



All Issues Data for Contributors



Timeseries Forecasting of Contributors using StatsModel

Observation Graph of Contributors

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

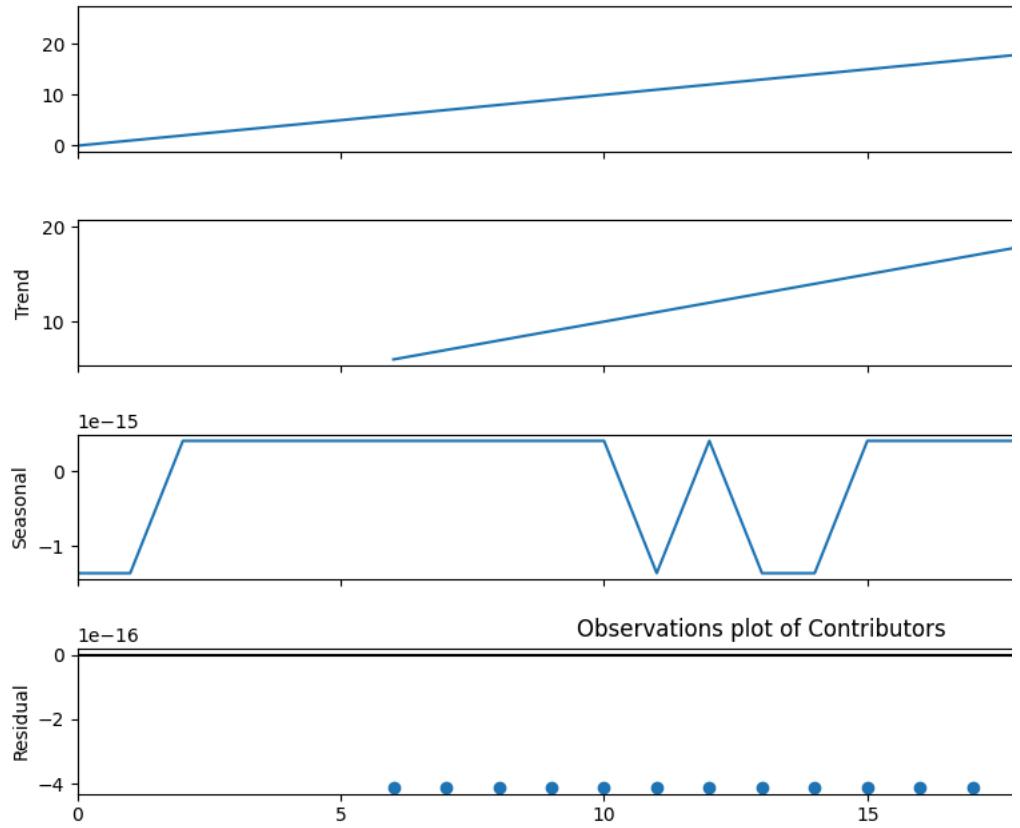
Microsoft-Autogen

Openai-Cookbook

elasticsearch

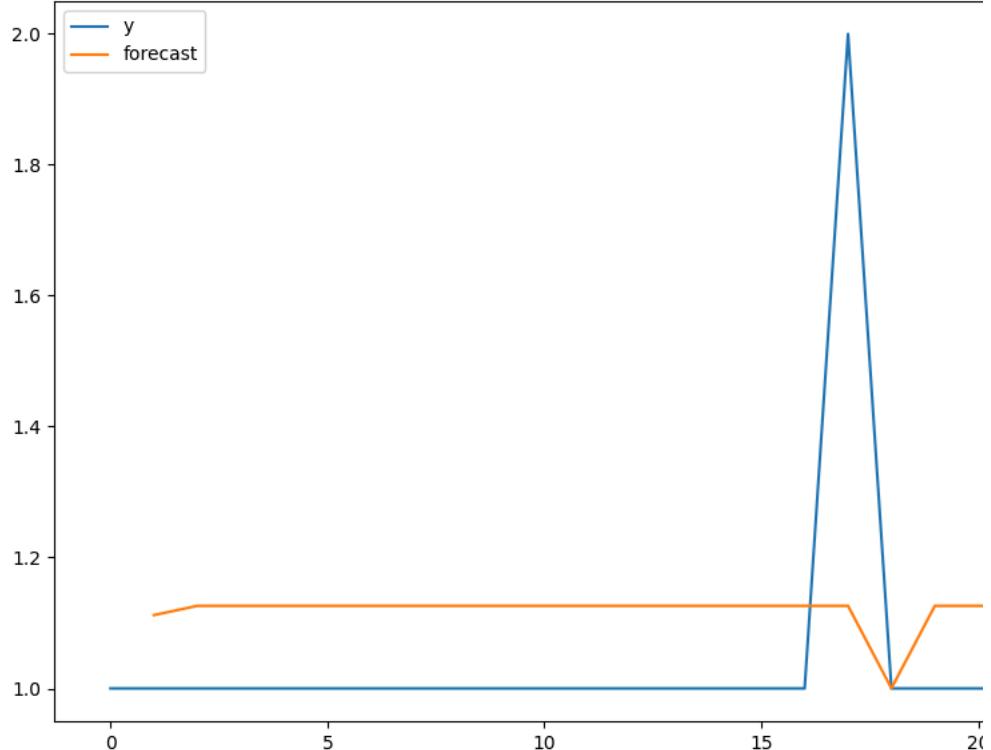
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Observed



Time Series Forecasting of Contributors

Timeseries forecasting of Contributors



Timeseries Forecasting of Contributors using Facebook/Prophet

Forecast of Contributors

Number of stars

Number of forks

LangChainai-Langchain

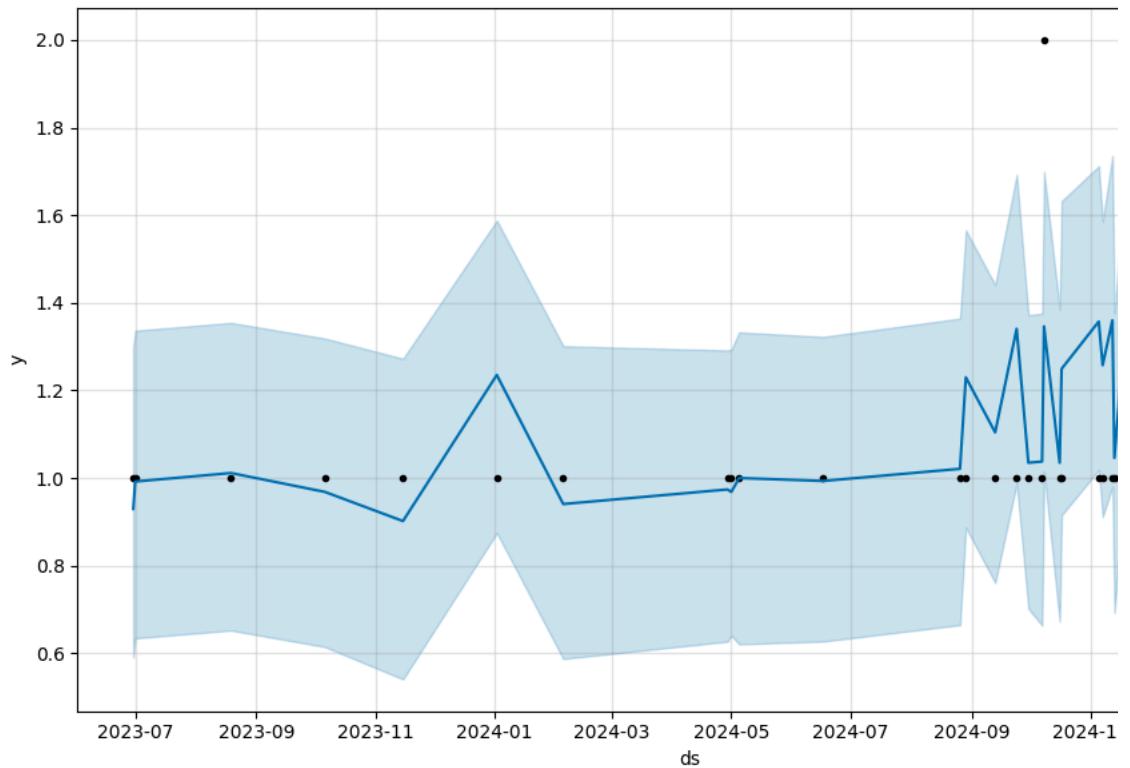
LangChainai-Langgraph

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Forecast Components of Contributors

Number of stars

Number of forks

LangChainai-Langchain

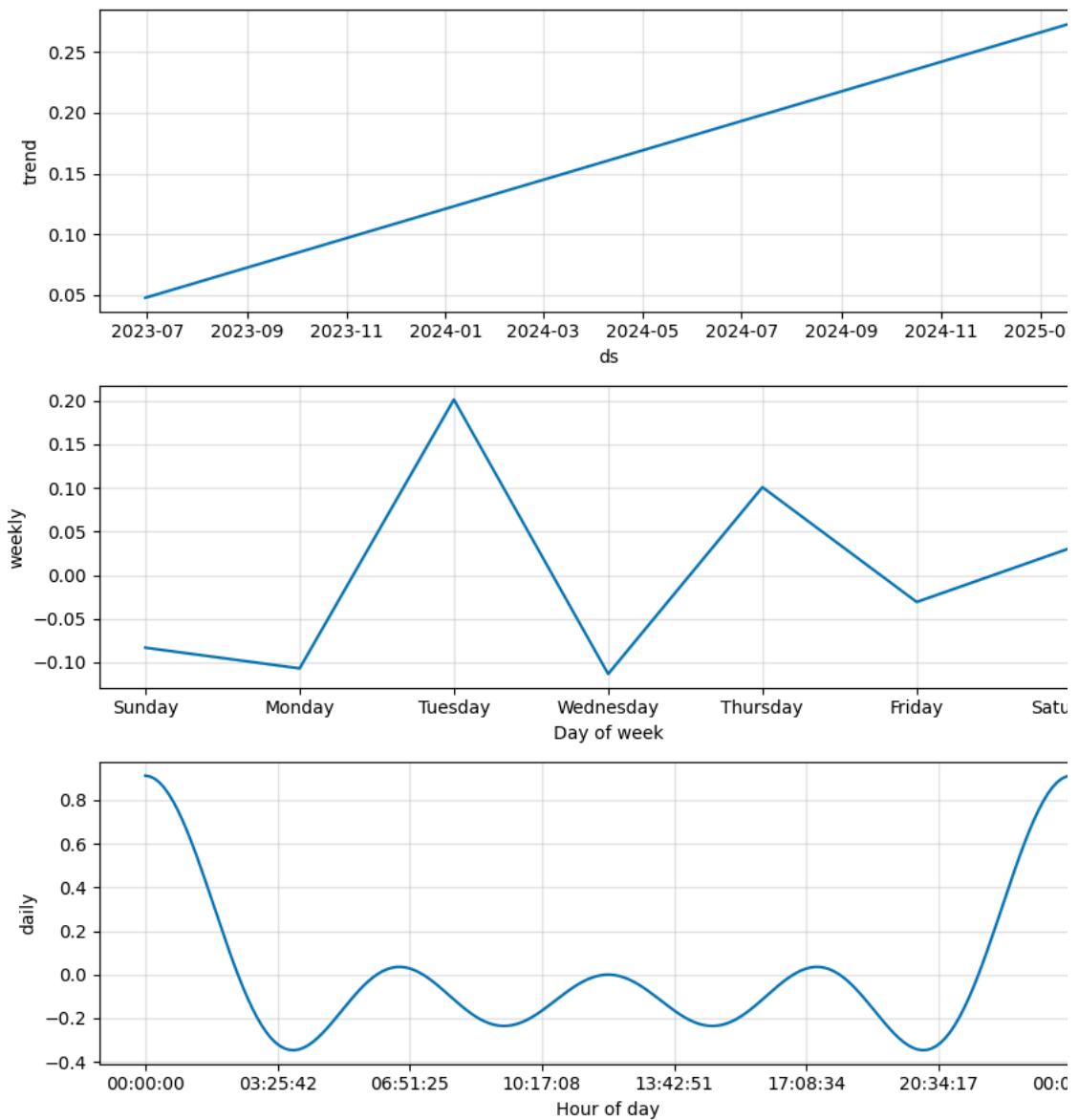
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

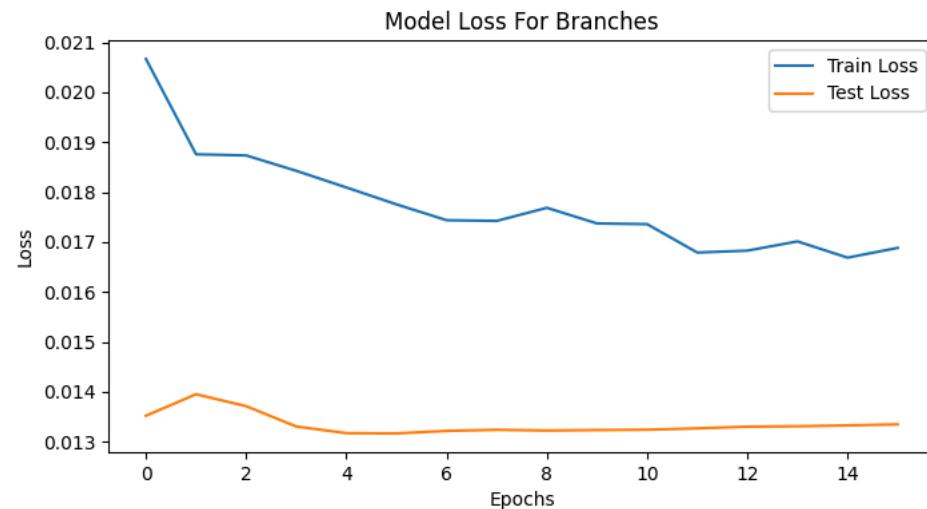
elasticsearch

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Timeseries Forecasting of Branches using Tensorflow and Keras LSTM

Model Loss for Branches



LSTM Generated Data for Branches

Number of stars

Number of forks

LangChainai-Langchain

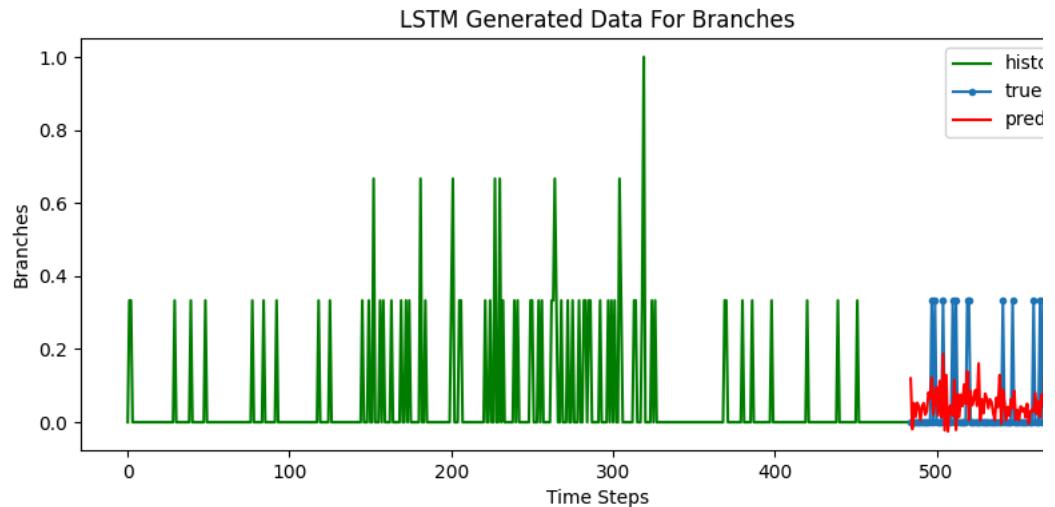
LangChainai-Langgraph

Microsoft-Autogen

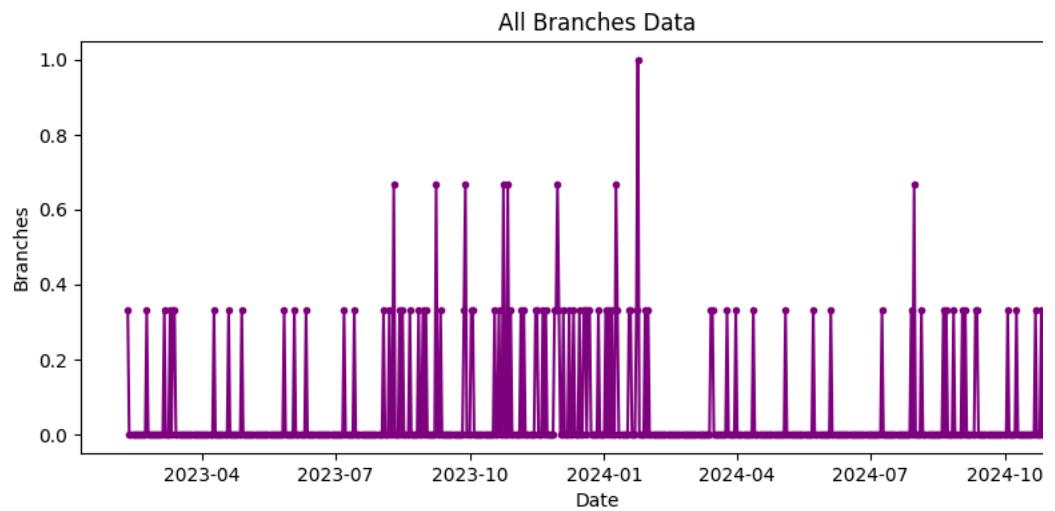
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All Issues Data for Branches

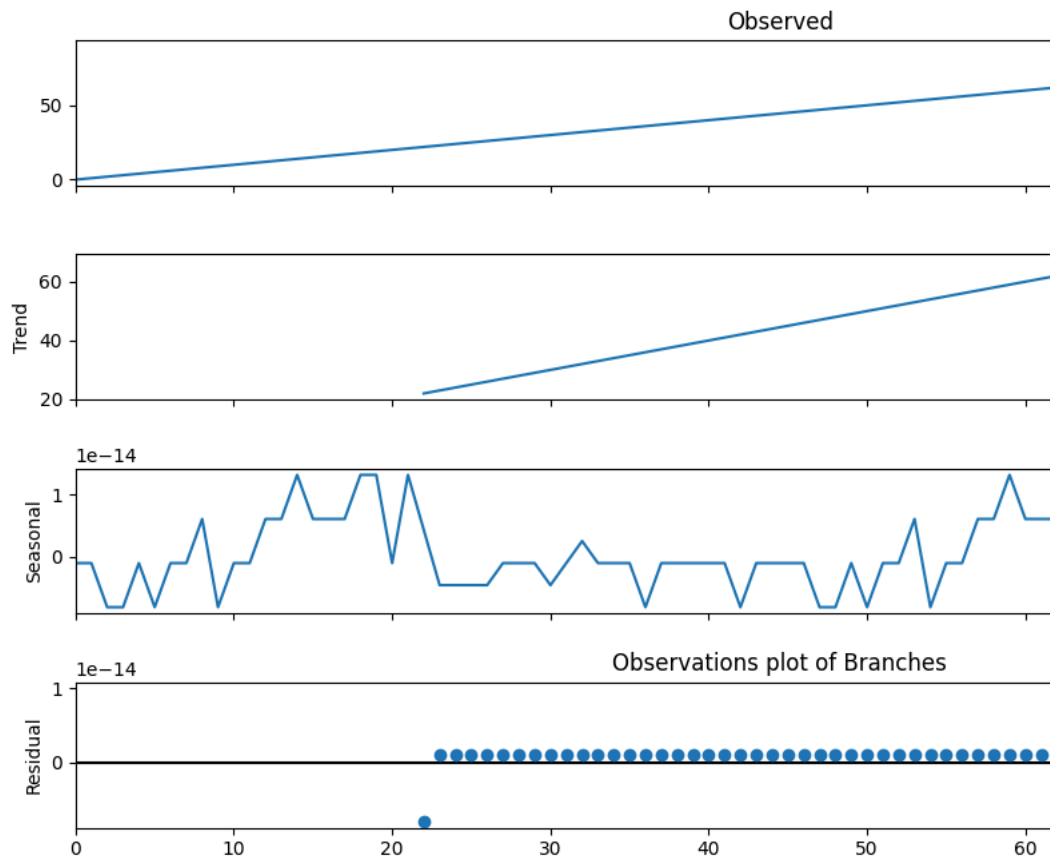


Timeseries Forecasting of Branches using StatsModel

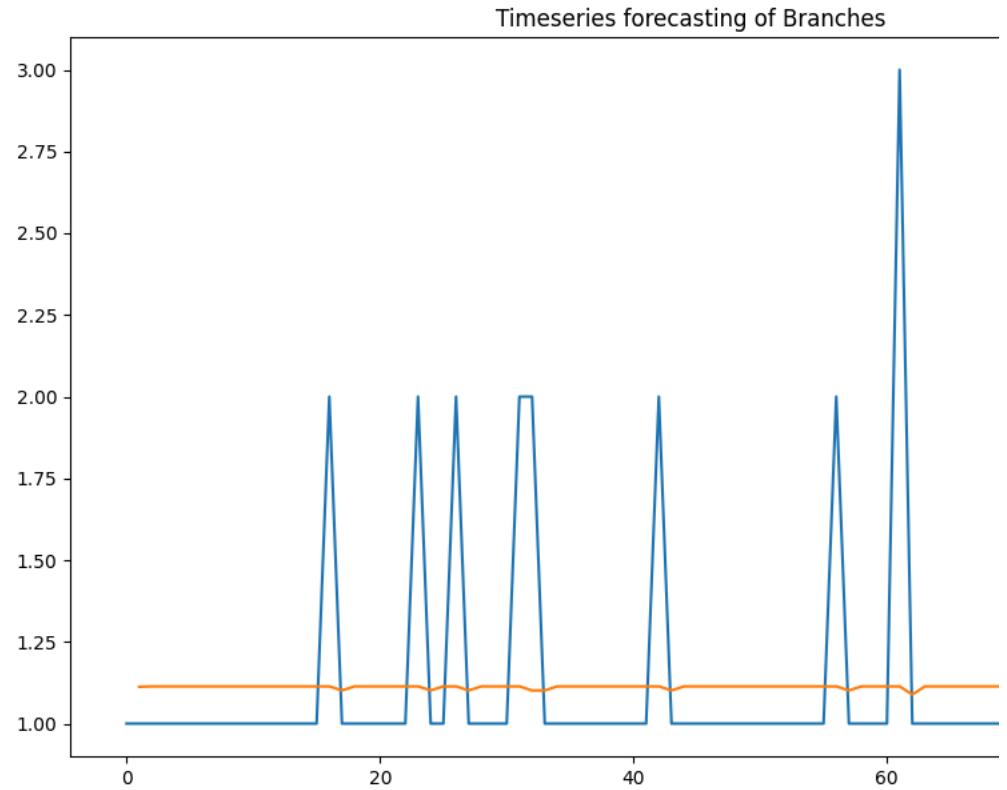
Observation Graph of Branches

Number of stars
Number of forks

LangChainai-Langchain
LangChainai-Langgraph
Microsoft-Autogen
Openai-Cookbook
elasticsearch
Pymilvus



Time Series Forecasting of Branches



Timeseries Forecasting of Branches using Facebook/Prophet

Forecast of Branches

Number of stars

Number of forks

LangChainai-Langchain

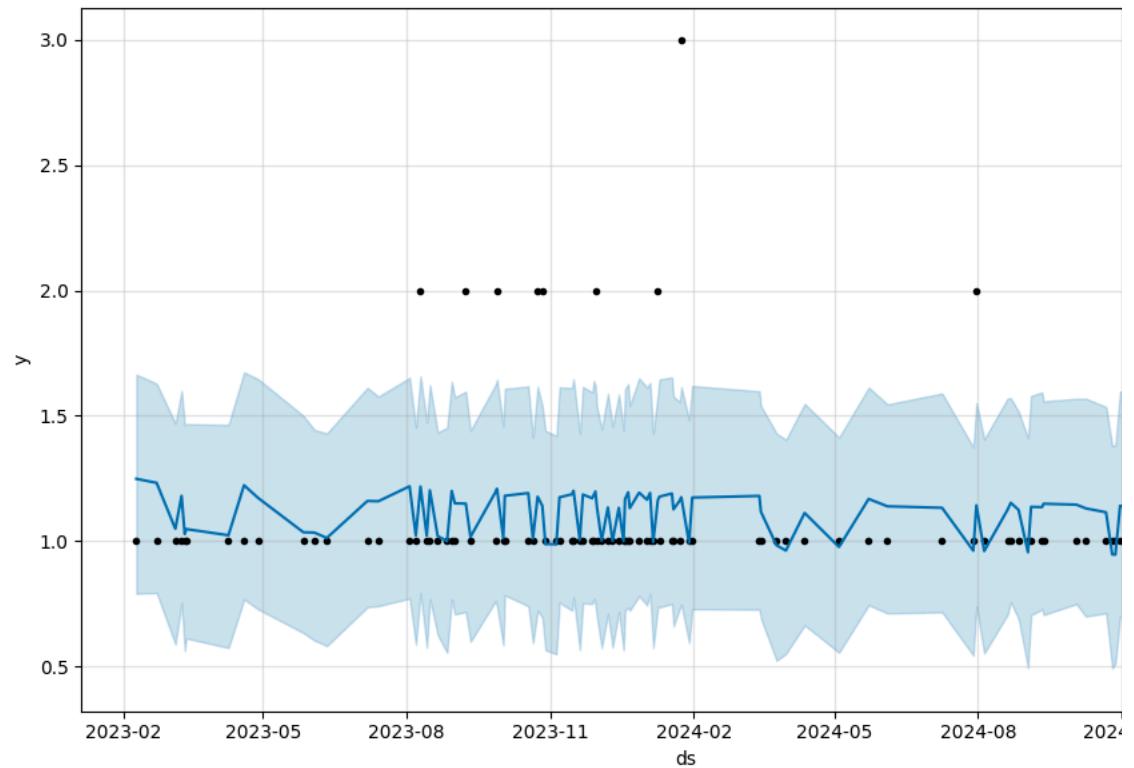
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

Pymilvus



Forecast Components of Branches

Number of stars

Number of forks

LangChainai-Langchain

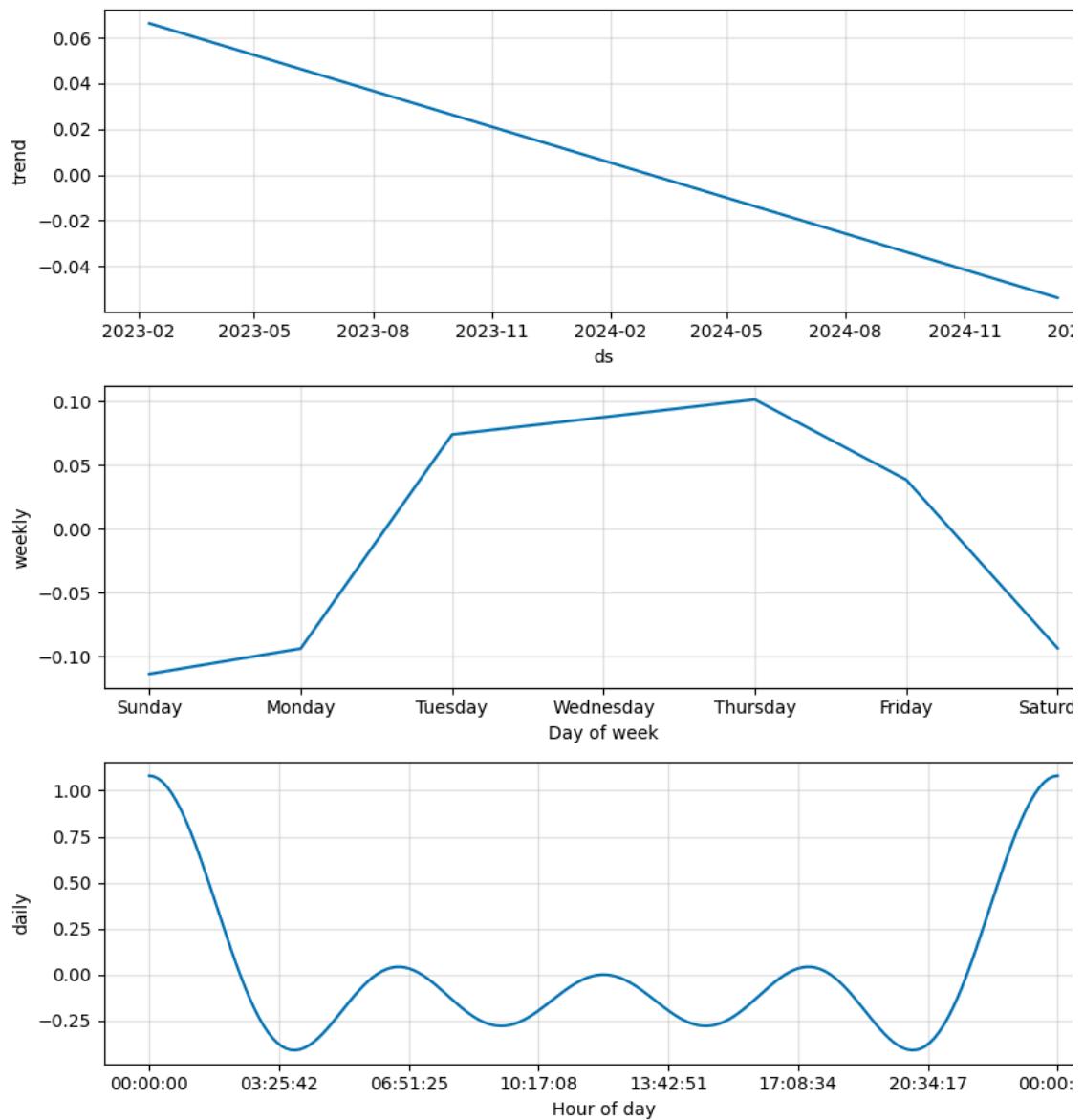
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

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Timeseries Forecasting by Nency patel - Assignment 5 Part 1

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

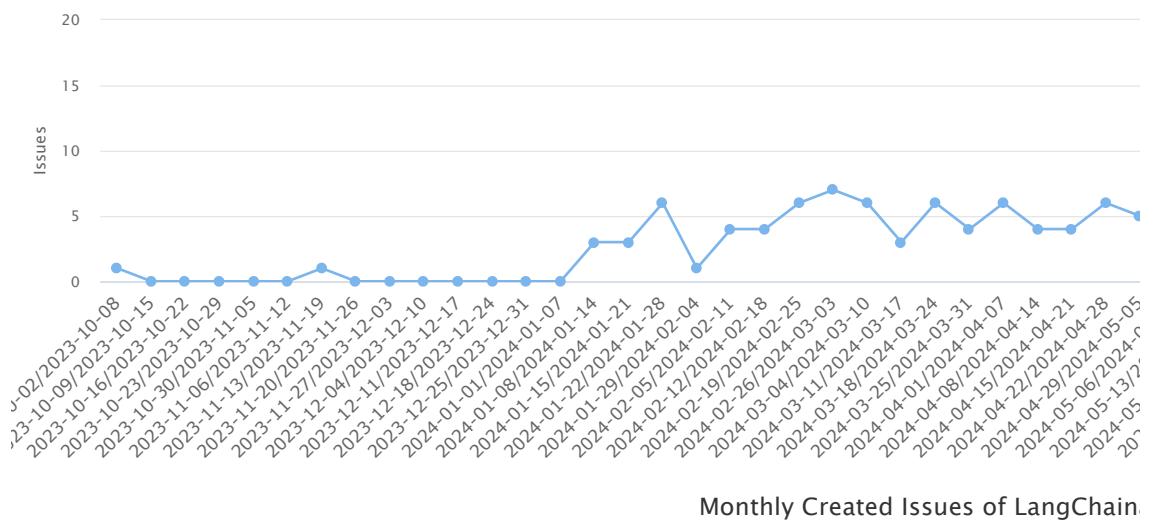
Microsoft-Autogen

Openai-Cookbook

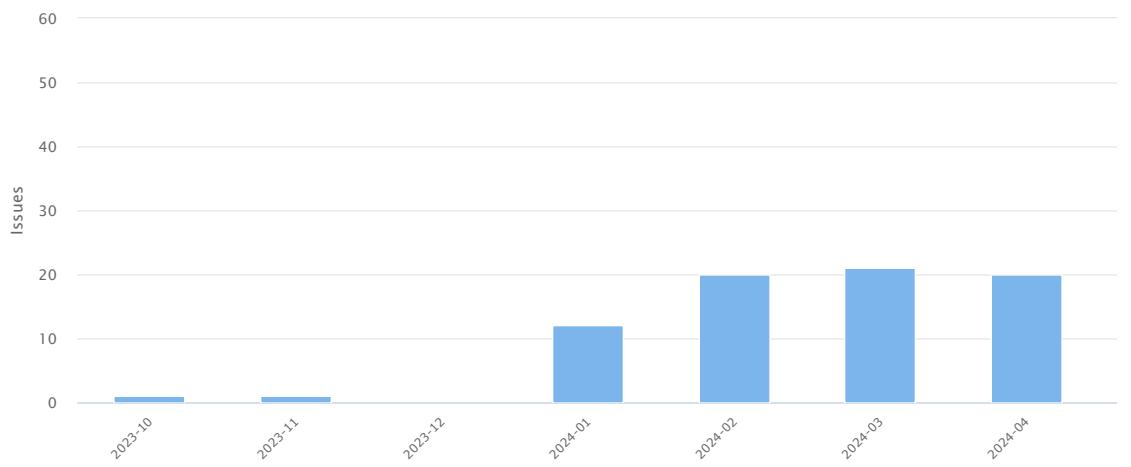
elasticsearch

Pymilvus

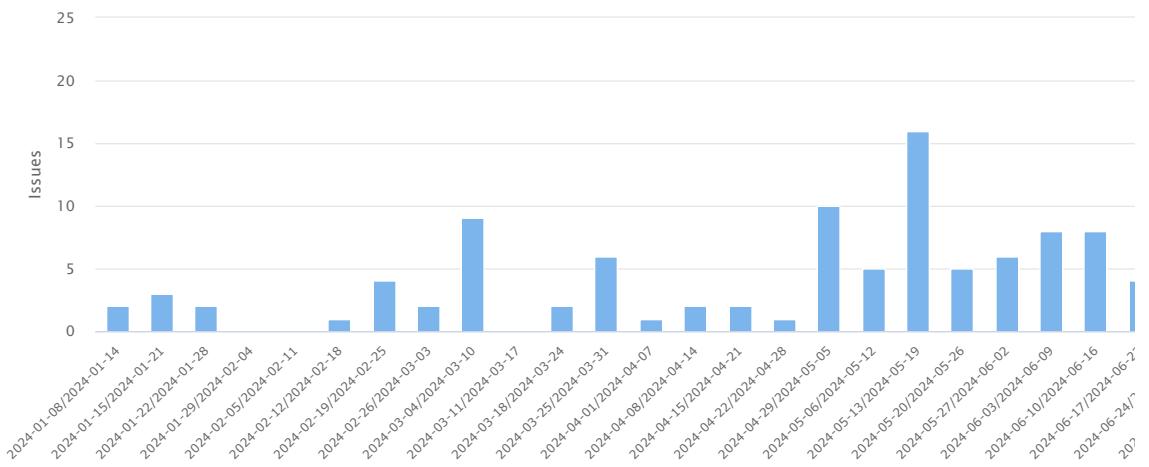
Issues of LangChainai-Langgg



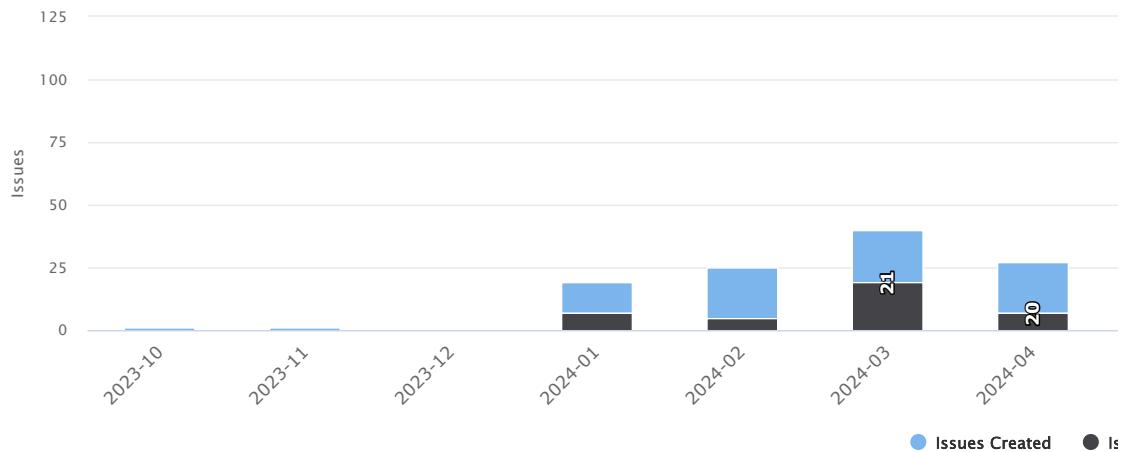
Monthly Created Issues of LangChain



Weekly Closed Issues of LangChainai



Created and Closed Issues of LangChai



Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

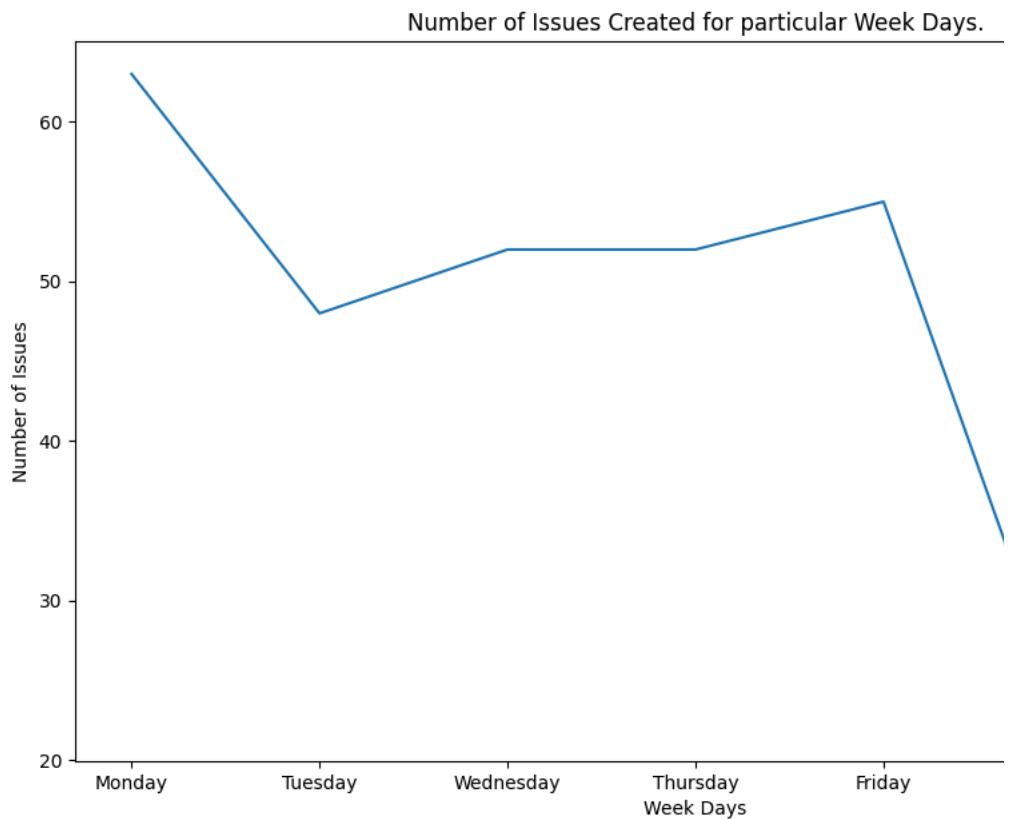
Microsoft-Autogen

Openai-Cookbook

elasticsearch

Pymilvus

The day of the week maximum number of issues created



The day of the week maximum number of issues Closed

Number of stars

Number of forks

LangChainai-Langchain

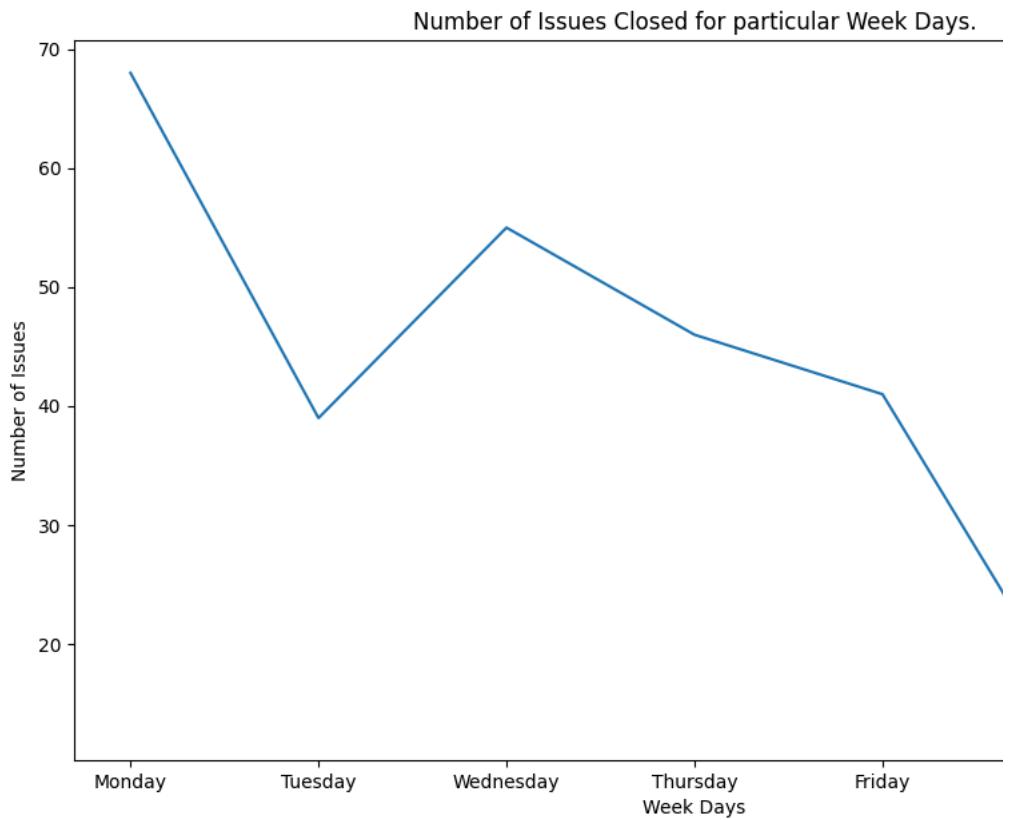
LangChainai-Langgraph

Microsoft-Autogen

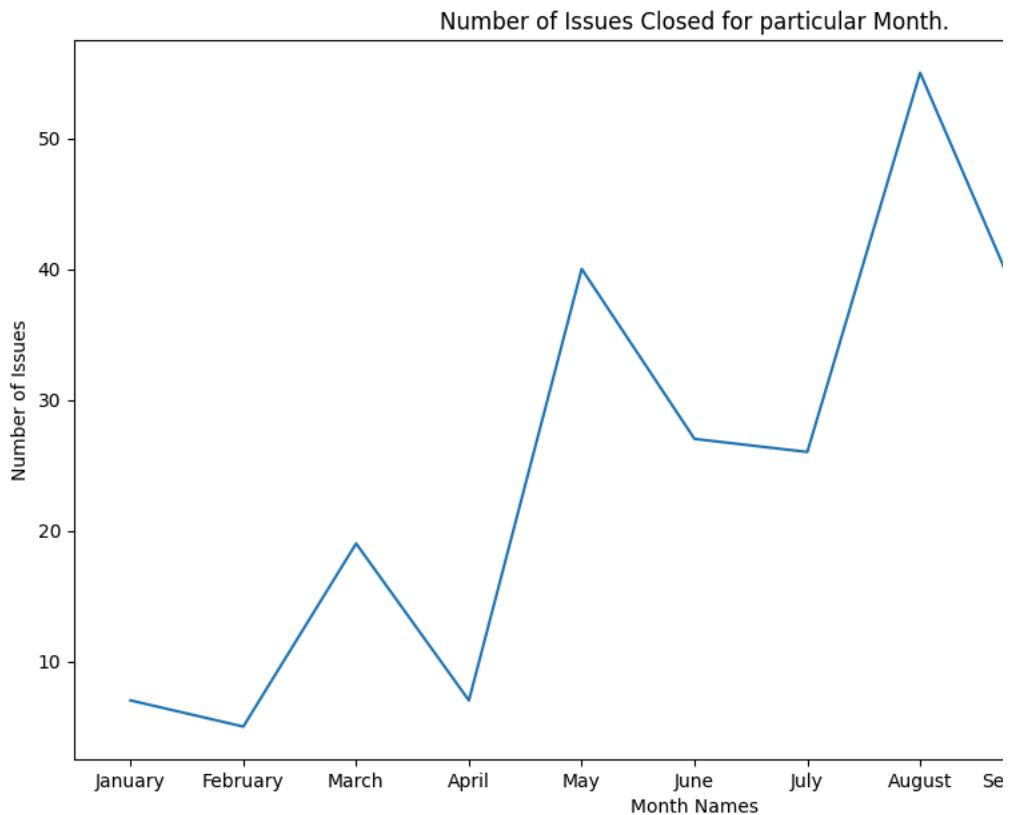
Openai-Cookbook

elasticsearch

Pymilvus



The month of the year that has maximum number of issues closed



Timeseries Forecasting of Created Issues using Tensorflow and Keras LSTM ba

Model Loss for Created Issues

Number of stars

Number of forks

LangChainai-Langchain

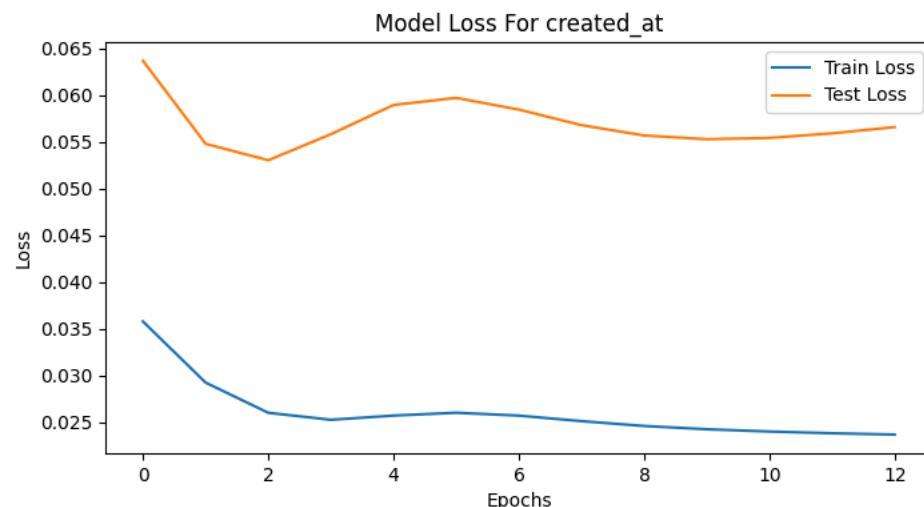
LangChainai-Langgraph

Microsoft-Autogen

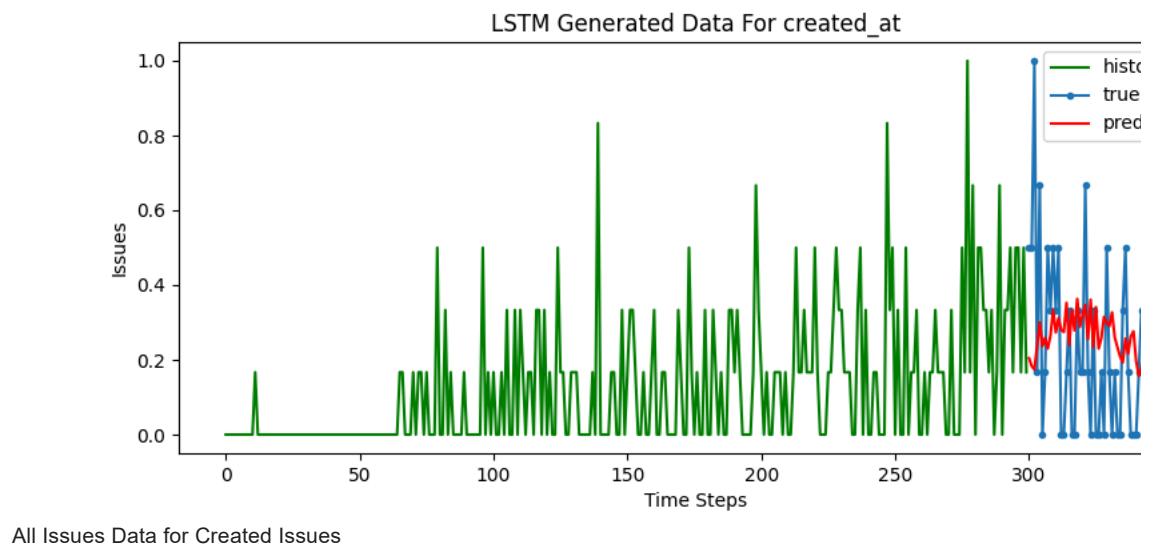
Openai-Cookbook

elasticsearch

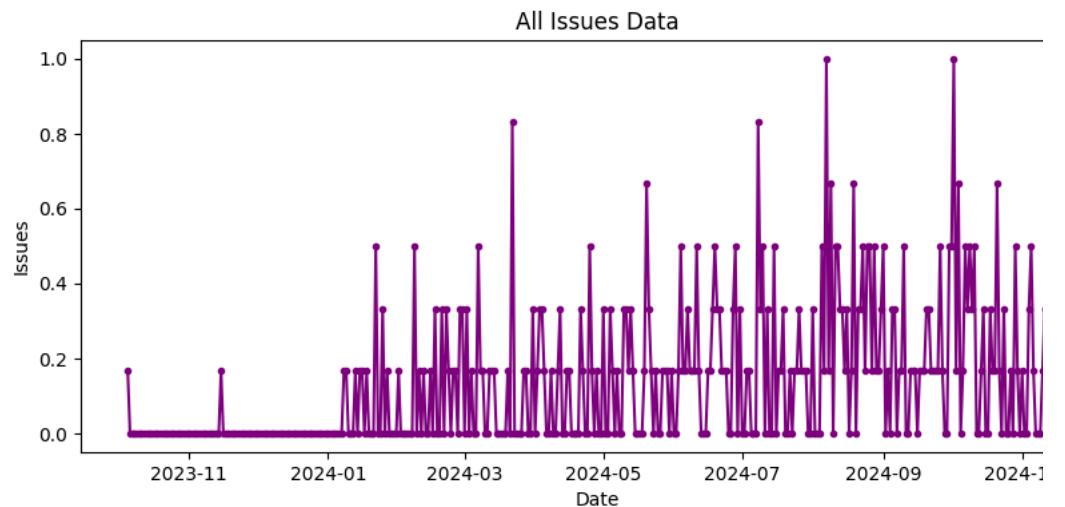
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LSTM Generated Data for Created Issues



All Issues Data for Created Issues



Timeseries Forecasting of Closed Issues using Tensorflow and Keras LSTM bas

Model Loss for Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

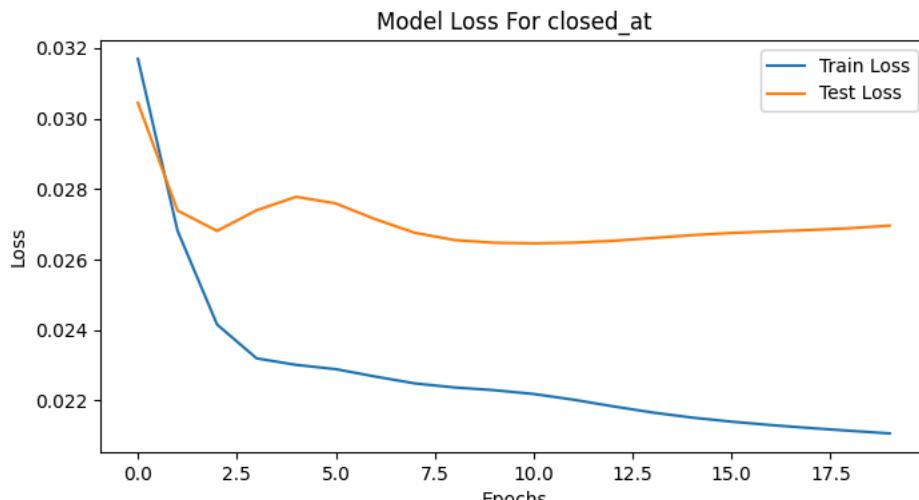
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Microsoft-Autogen

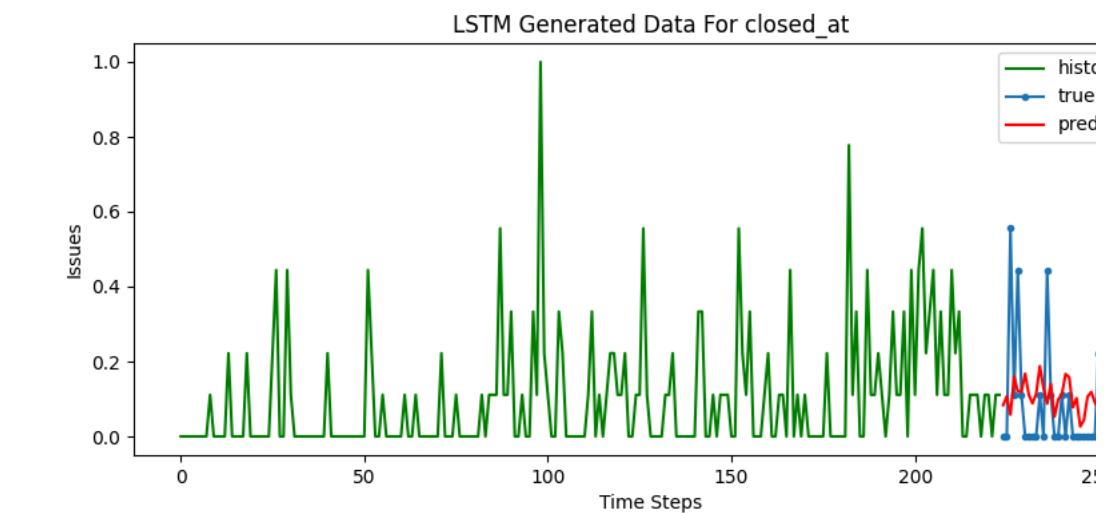
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elasticsearch

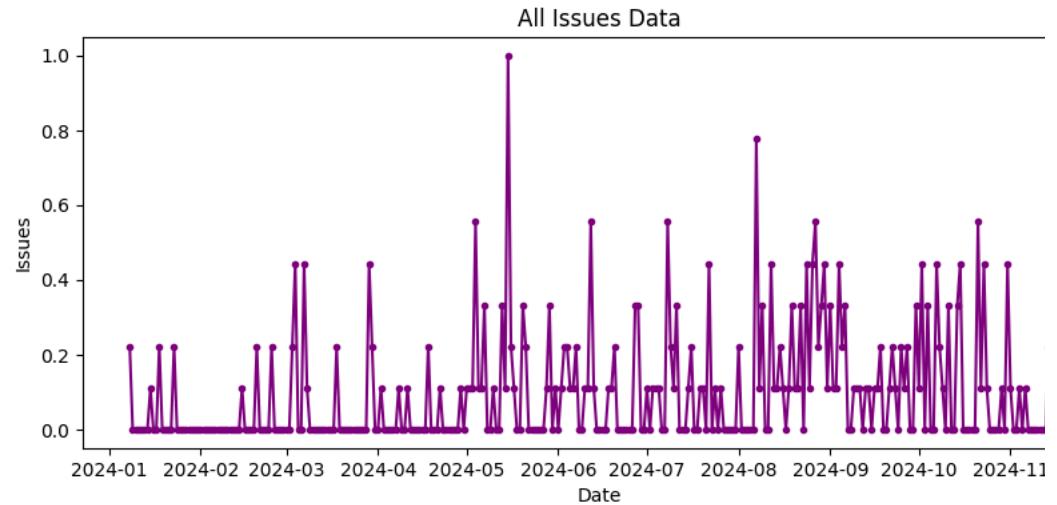
Pymilvus



LSTM Generated Data for Closed Issues



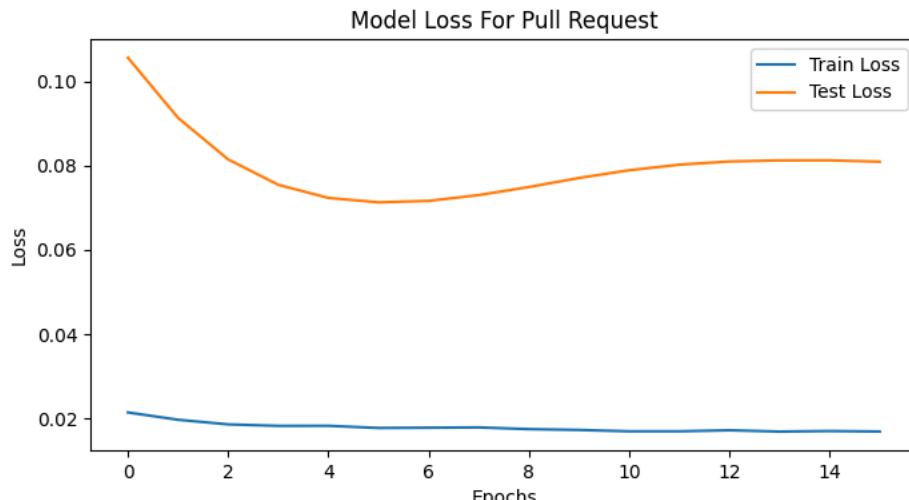
All Issues Data for Closed Issues



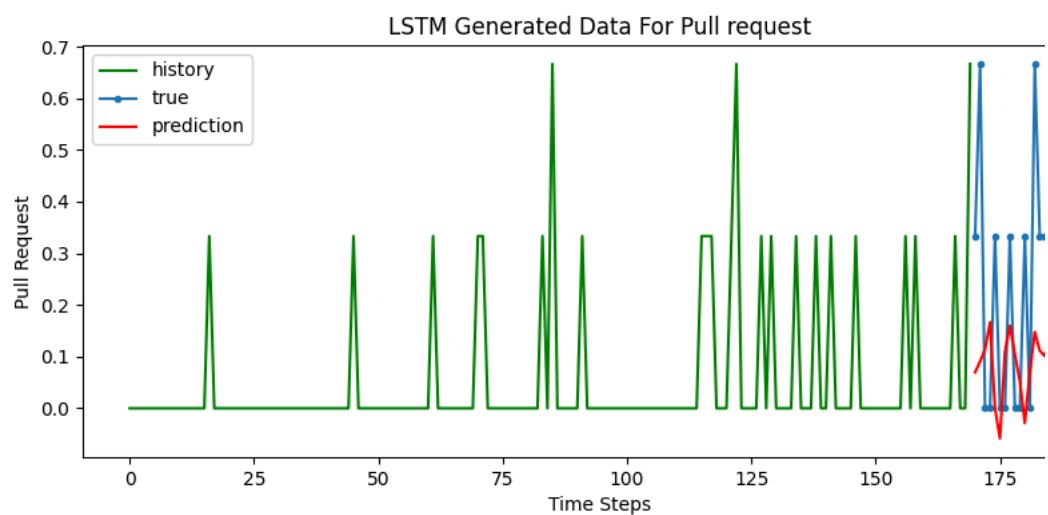
Timeseries Forecasting of Pull Requests using Tensorflow and Keras LSTM bas

Model Loss for Pull Requests

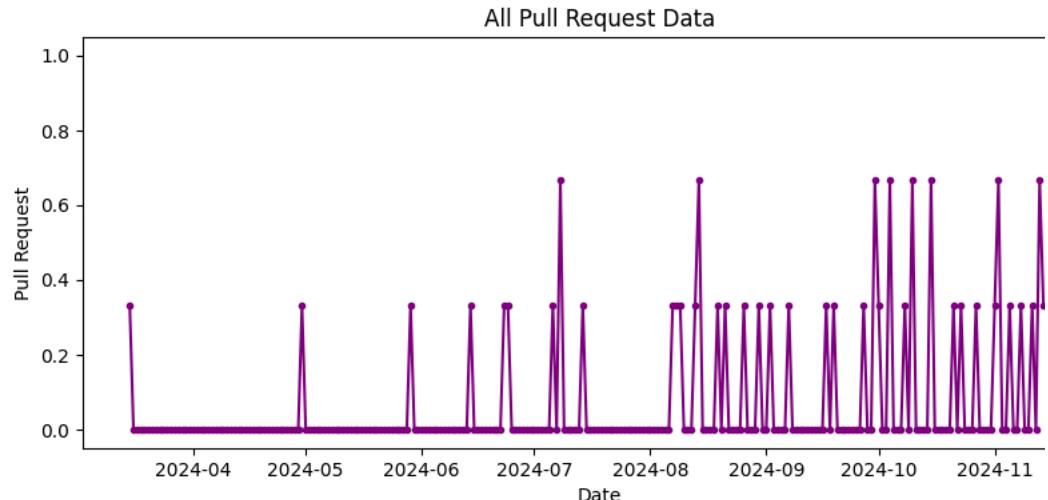
Number of stars
Number of forks
LangChainai-Langchain
LangChainai-Langgraph
Microsoft-Autogen
Openai-Cookbook
elasticsearch
Pymilvus



LSTM Generated Data for Pull Requests



All Issues Data for Pull Requests



Timeseries Forecasting of Commits using Tensorflow and Keras LSTM based or Model Loss for Commits

Number of stars

Number of forks

LangChainai-Langchain

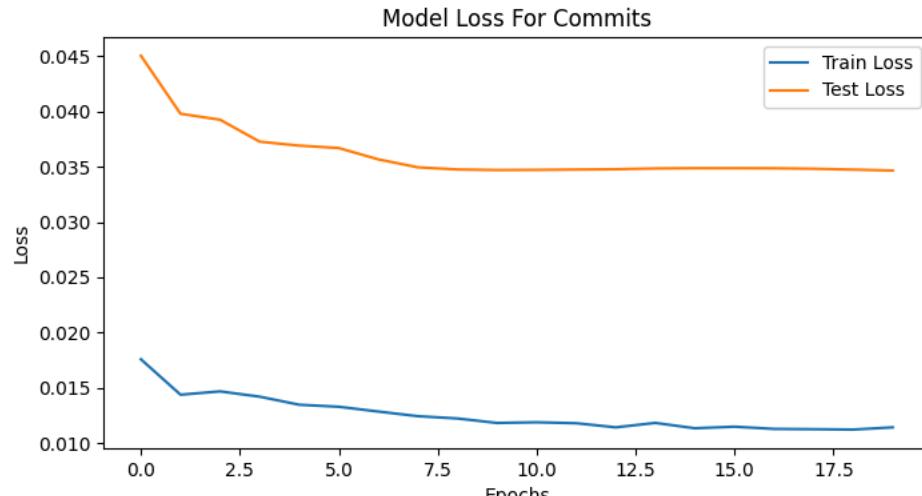
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Microsoft-Autogen

Openai-Cookbook

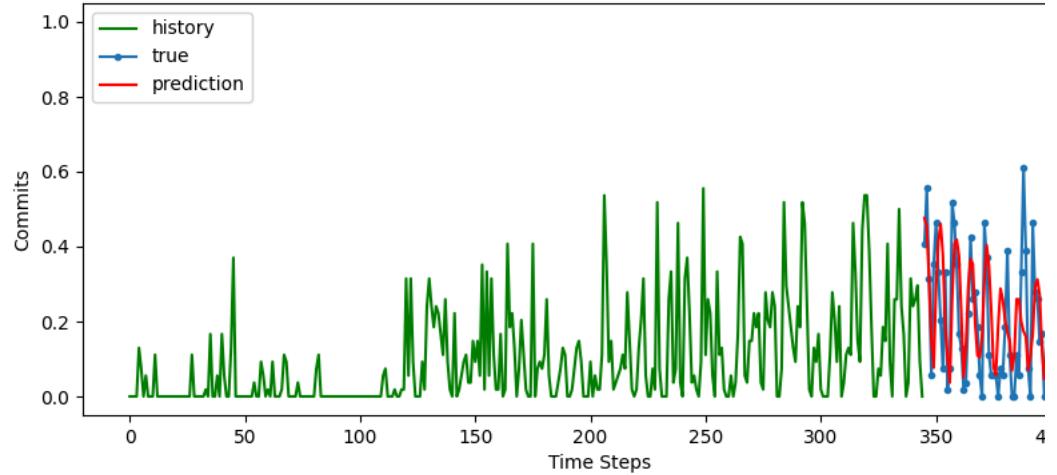
elasticsearch

Pymilvus



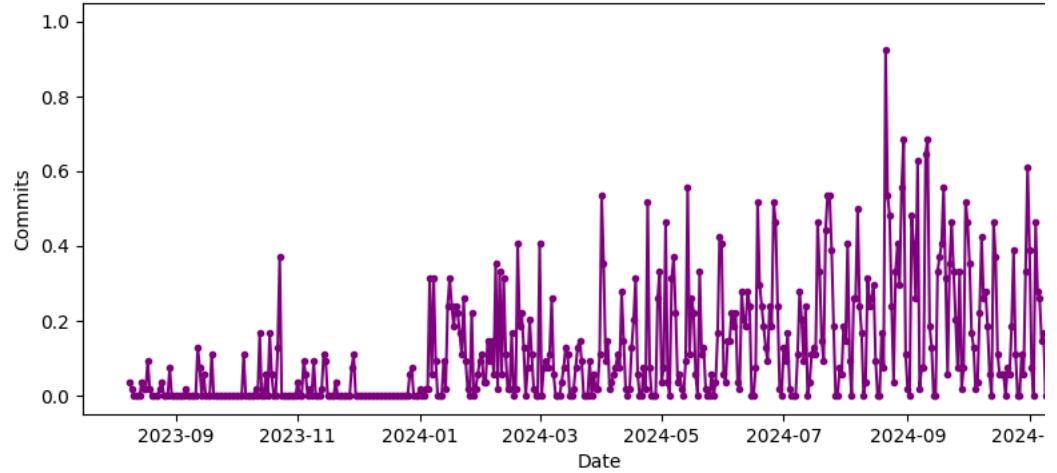
LSTM Generated Data for Commits

LSTM Generated Data For Commits



All Issues Data for Commits

All Commits Data



Timeseries Forecasting of Created Issues using Facebook/Prophet based on past data
Forecast of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

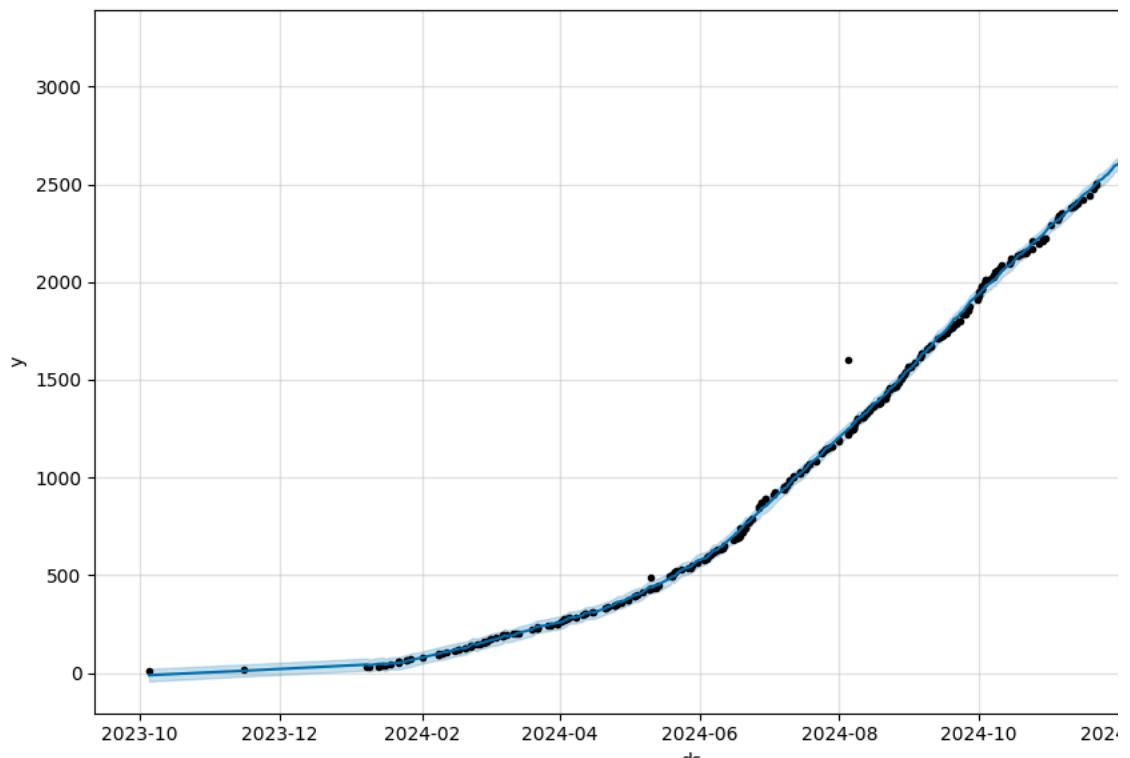
LangChainai-Langgraph

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Forecast Components of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

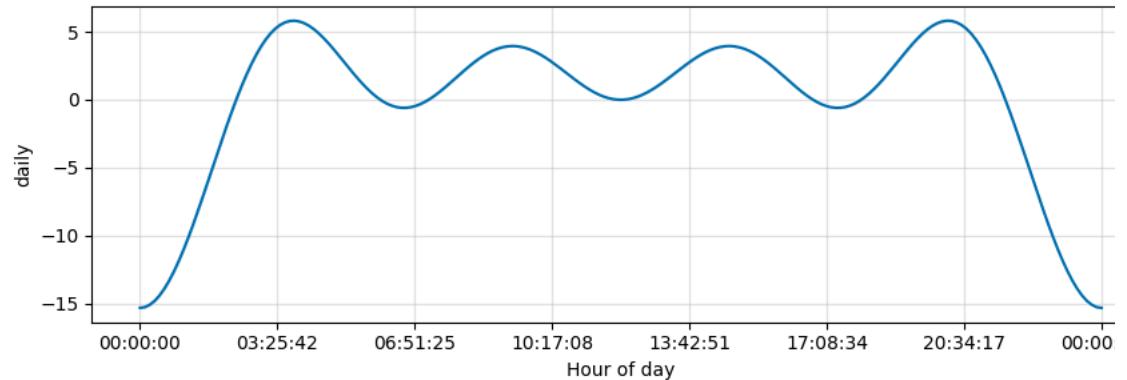
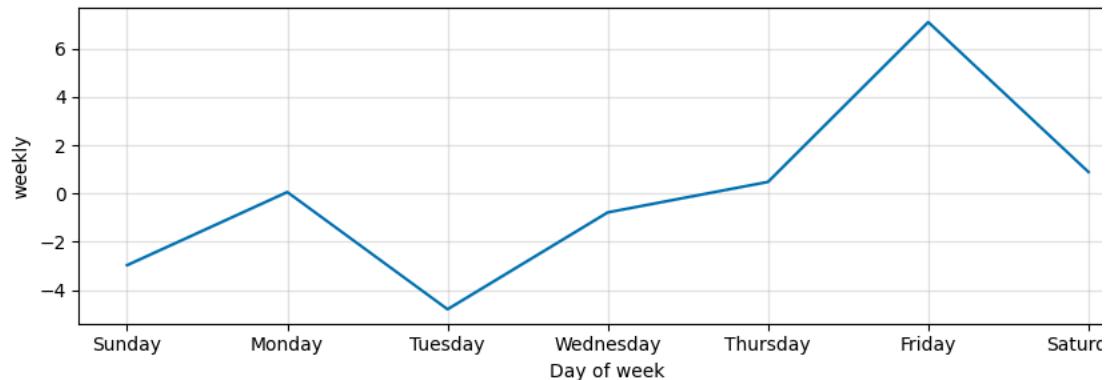
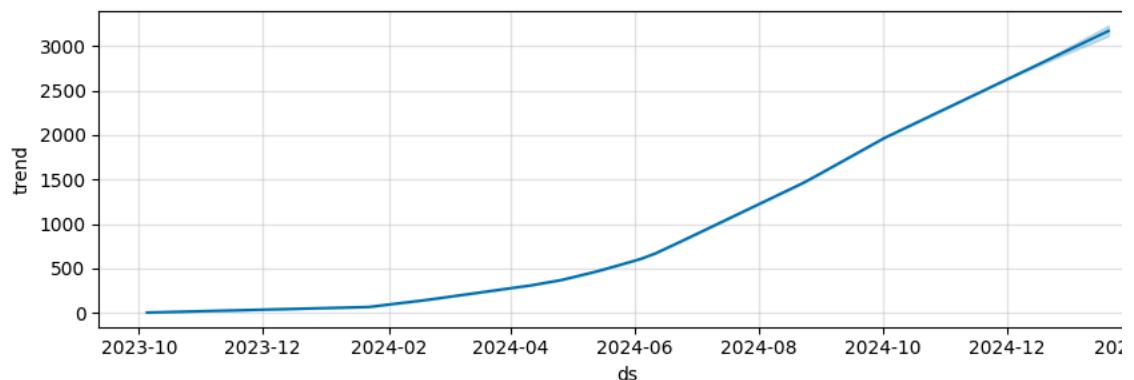
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

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Timeseries Forecasting of Closed Issues using Facebook/Prophet based on past
Forecast of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

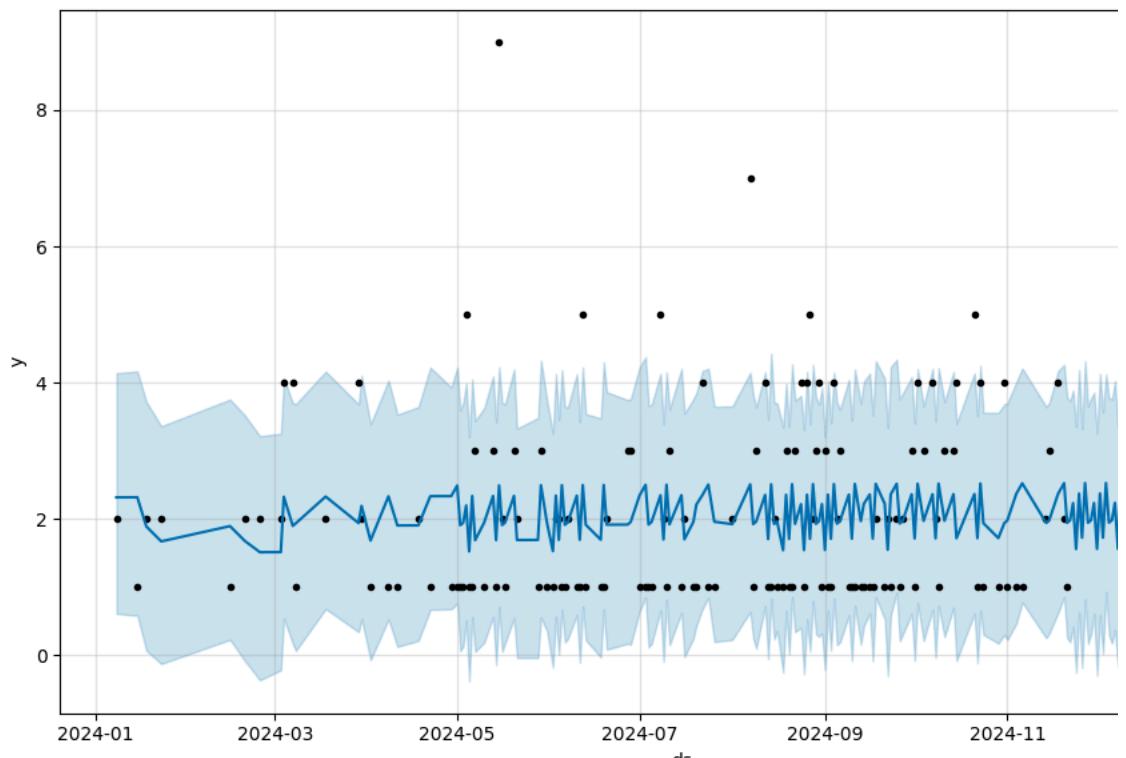
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

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Forecast Components of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

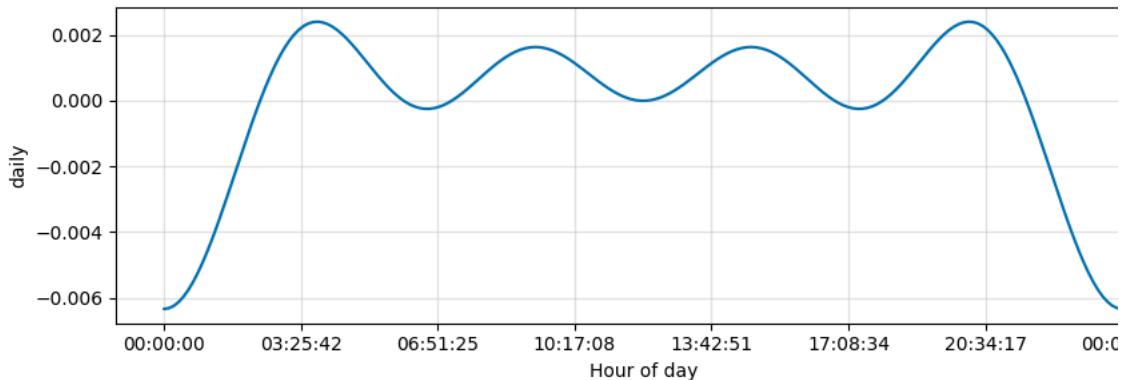
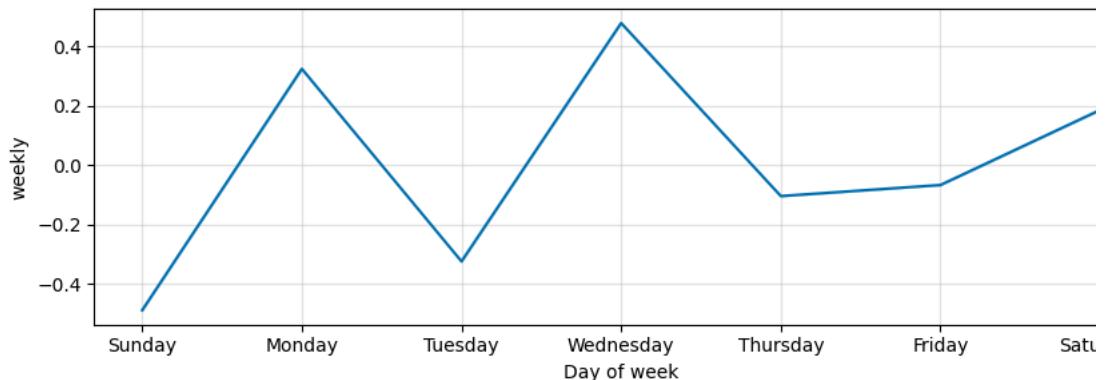
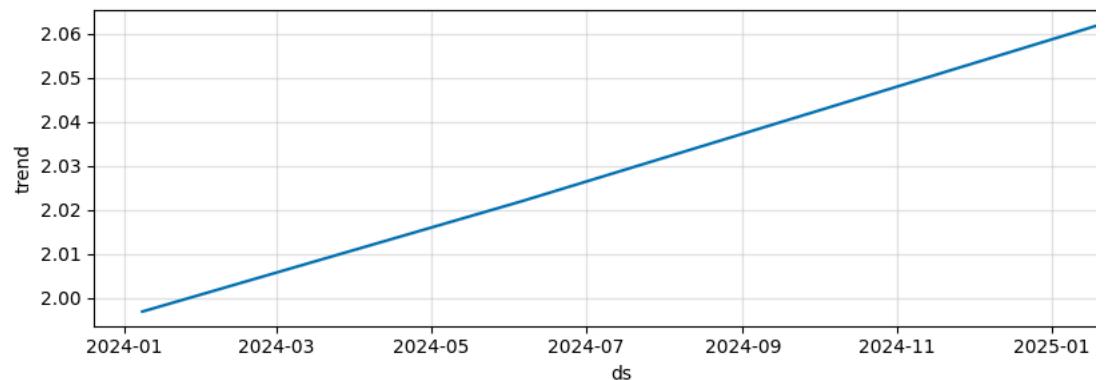
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Timeseries Forecasting of Pull Request using Facebook/Prophet based on past

Forecast of Pull Request



Forecast Components of Pull Request



Timeseries Forecasting of Commits using Facebook/Prophet based on past mor

Forecast of Commits

Number of stars

Number of forks

LangChainai-Langchain

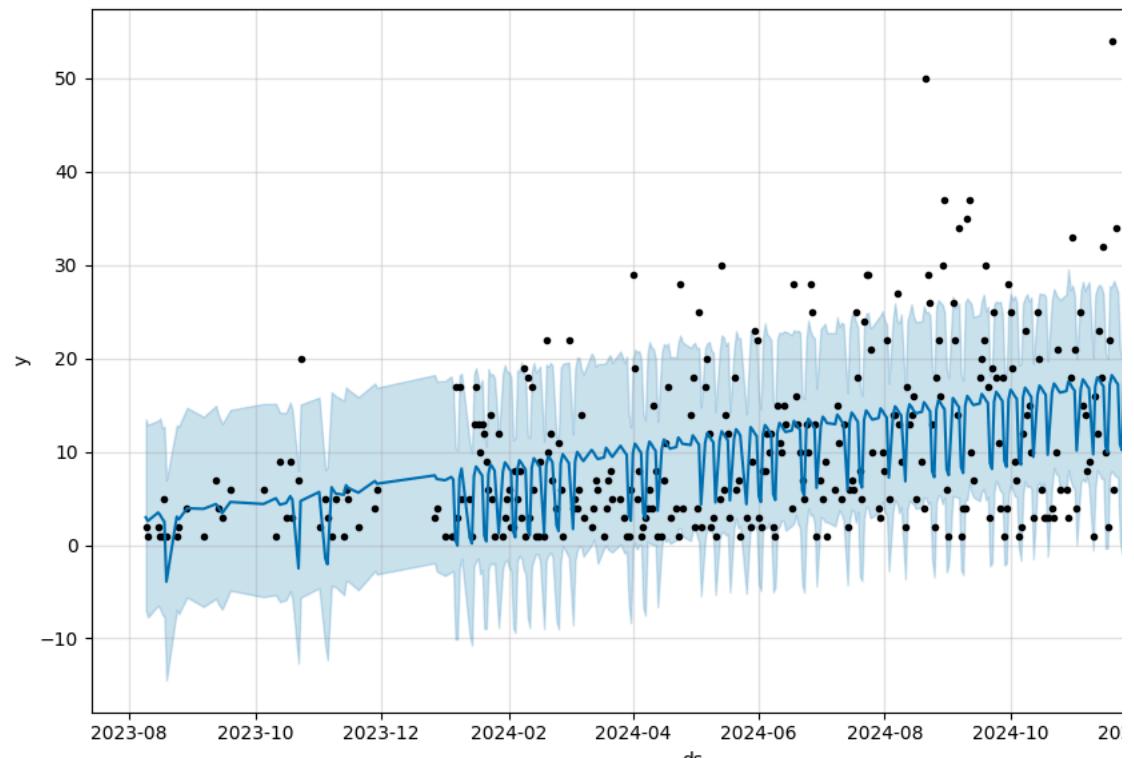
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

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Number of stars

Number of forks

LangChainai-Langchain

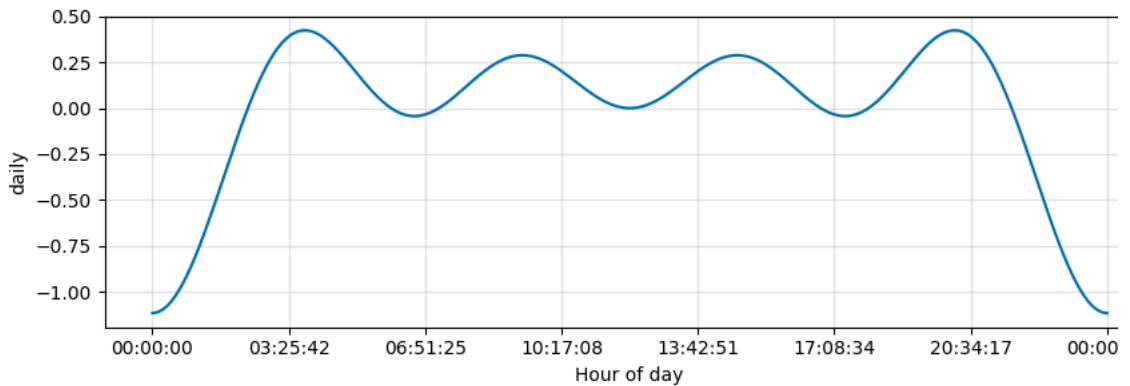
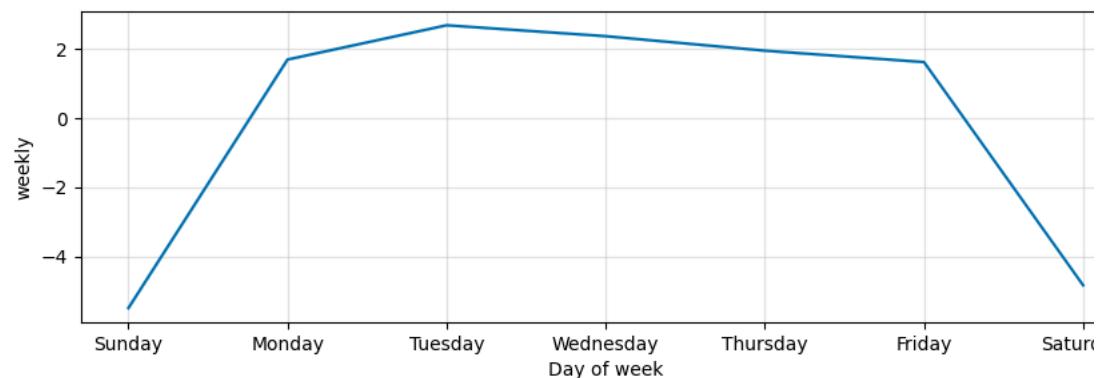
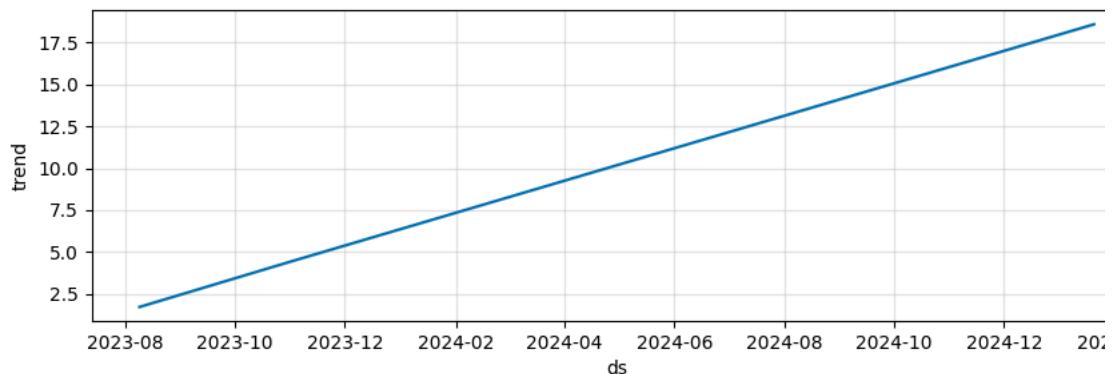
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Timeseries Forecasting of Created Issues using StatsModel based on past month

Observation Graph of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

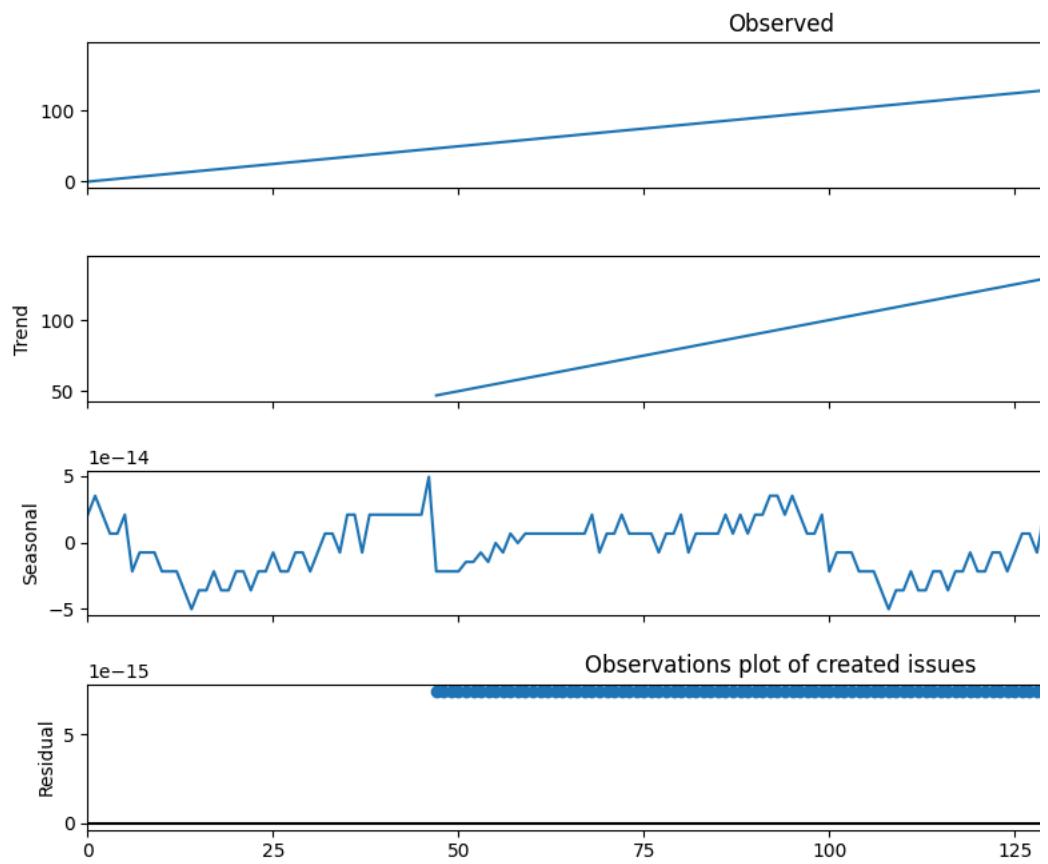
LangChainai-Langgraph

Microsoft-Autogen

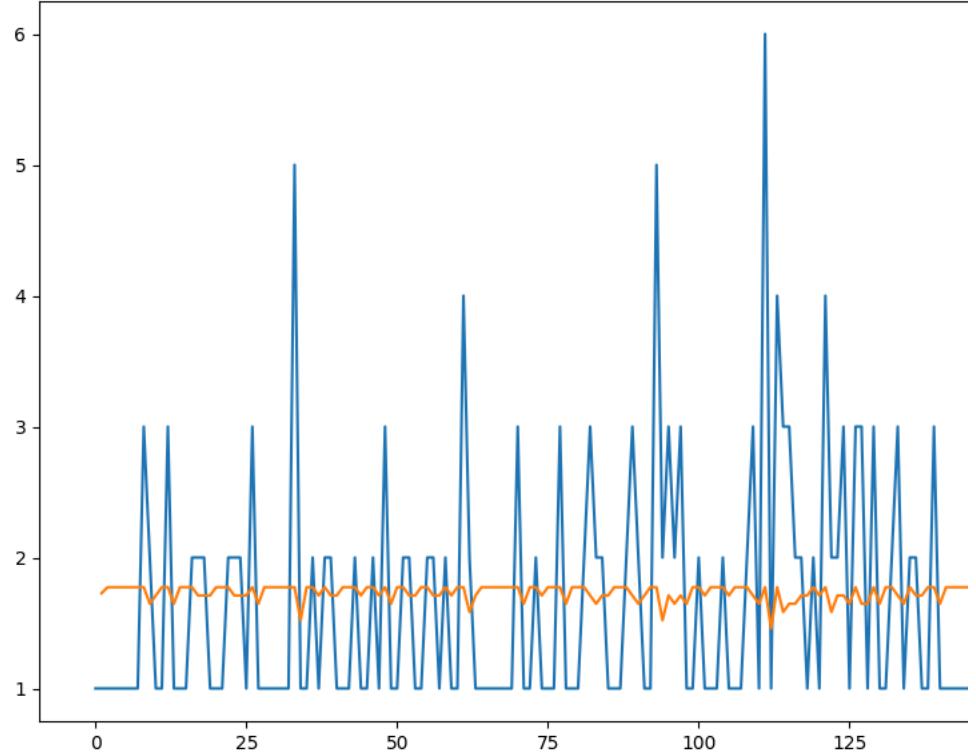
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Timeseries forecasting of created issues



Timeseries Forecasting of Closed Issues using StatsModel based on past month

Observation Graph of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

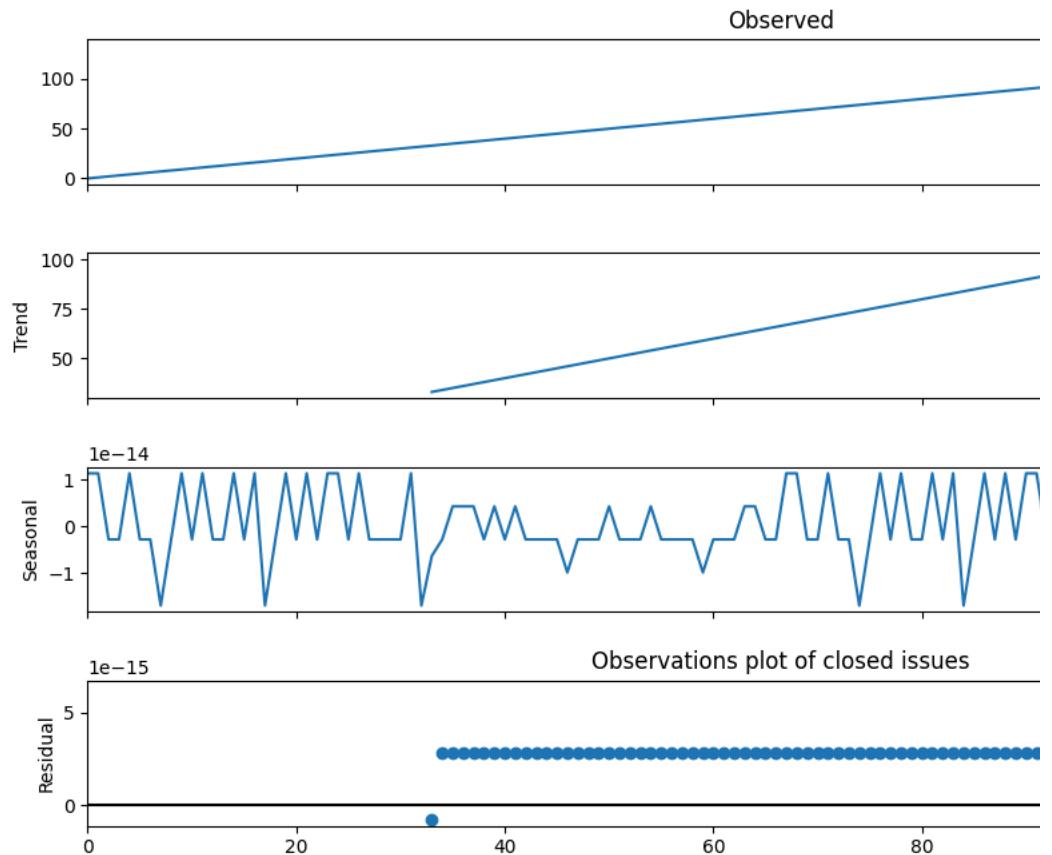
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

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Time Series Forecasting of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

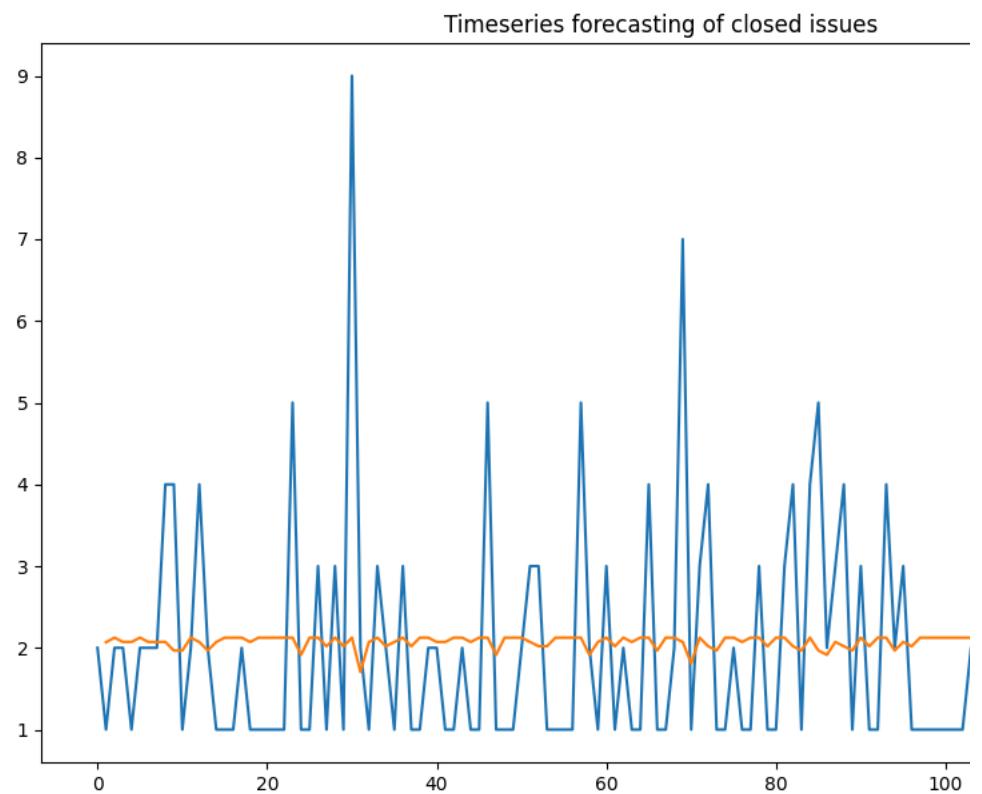
LangChainai-Langgraph

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Timeseries Forecasting of Pull Request Issues using StatsModel based on past

Observation Graph of Pull Request Issues

Number of stars

Number of forks

LangChainai-Langchain

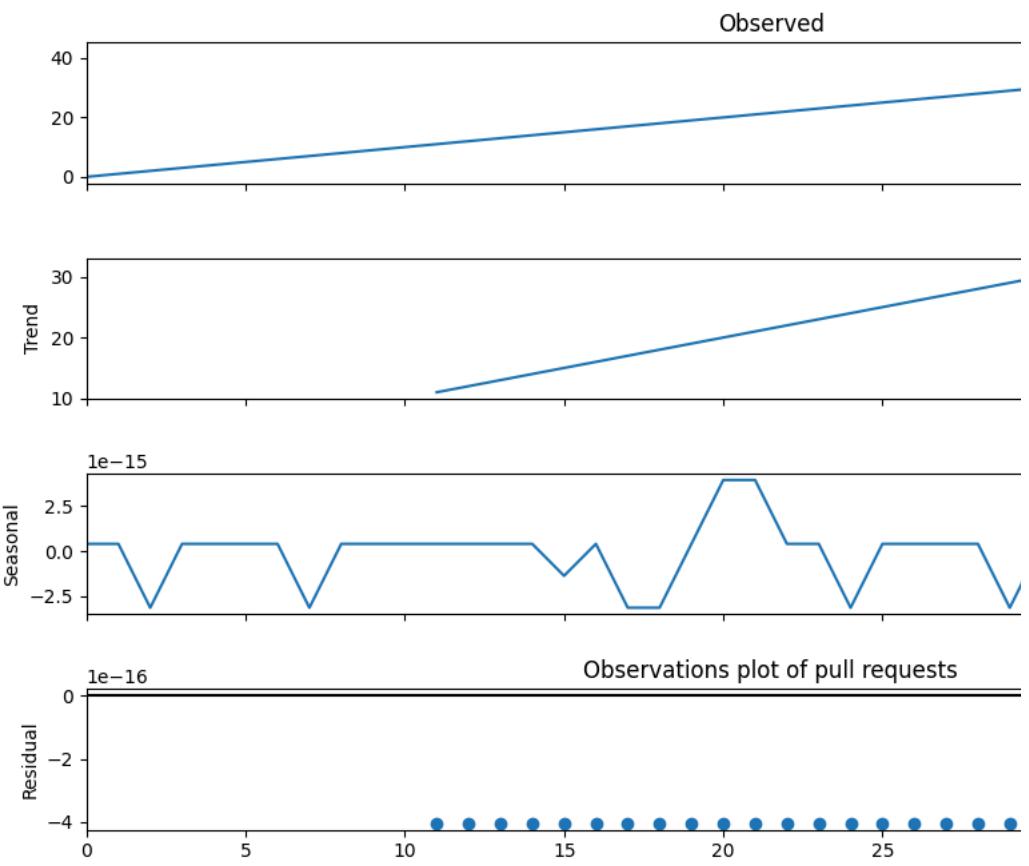
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Microsoft-Autogen

Openai-Cookbook

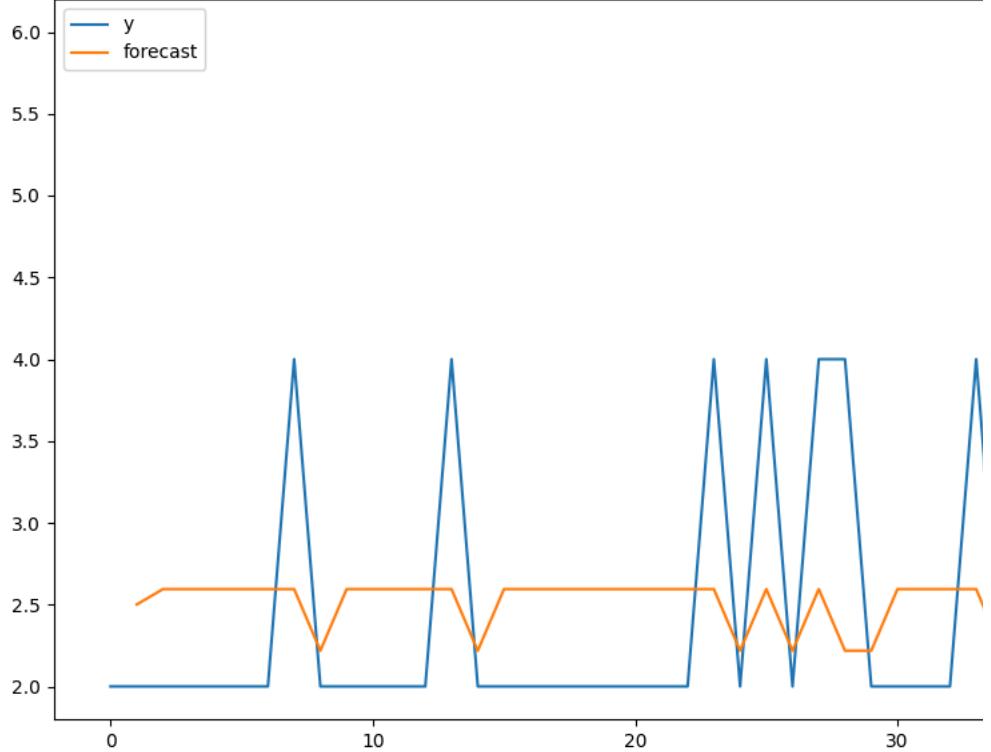
elasticsearch

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Time Series Forecasting of Pull Request Issues

Timeseries forecasting of pull requests



Timeseries Forecasting of Commits Issues using StatsModel based on past more

Observation Graph of Commits Issues

Number of stars

Number of forks

LangChainai-Langchain

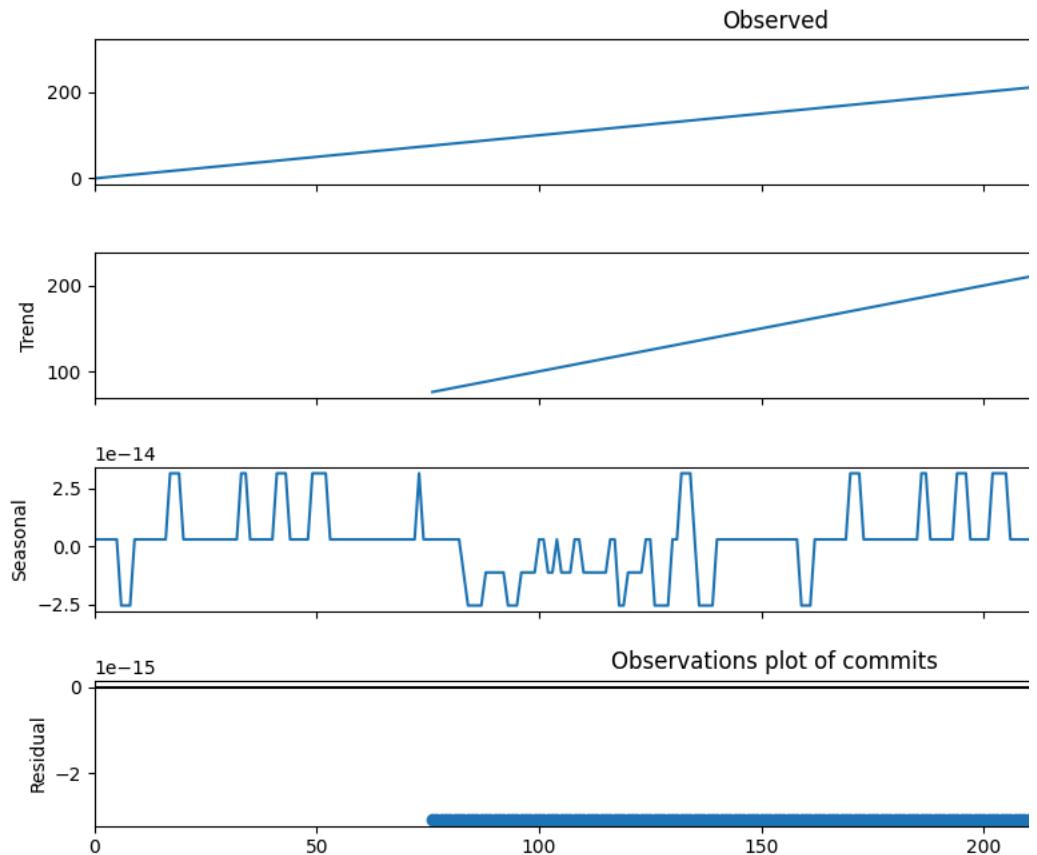
LangChainai-Langgraph

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Time Series Forecasting of Commits Issues

Timeseries forecasting of commits

Number of stars

Number of forks

LangChainai-Langchain

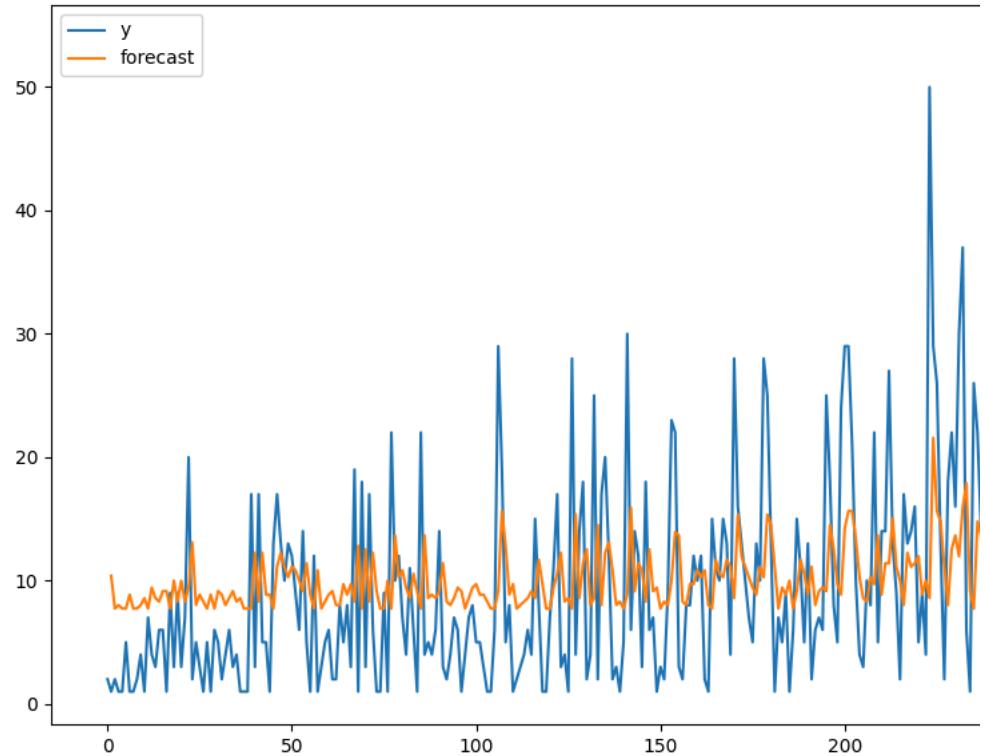
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Microsoft-Autogen

Openai-Cookbook

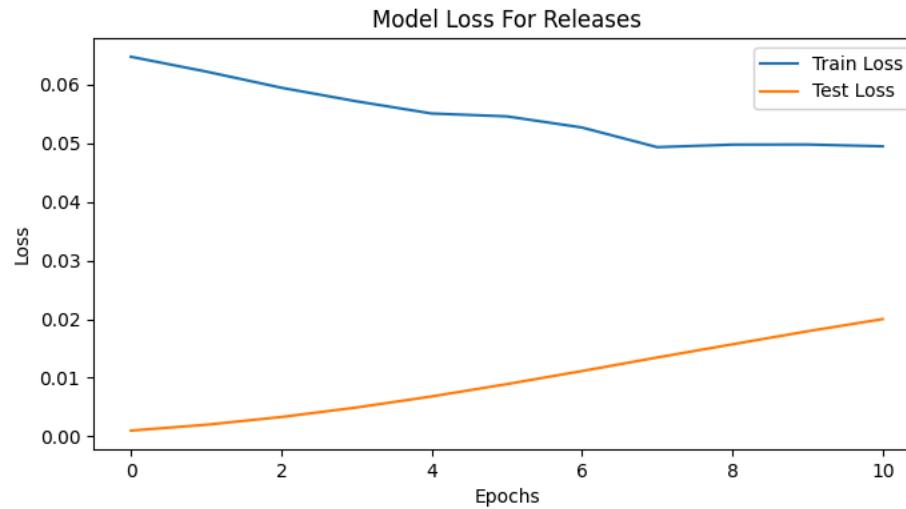
elasticsearch

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Timeseries Forecasting of Releases using Tensorflow and Keras LSTM

Model Loss for Releases



LSTM Generated Data for Releases

Number of stars

Number of forks

LangChainai-Langchain

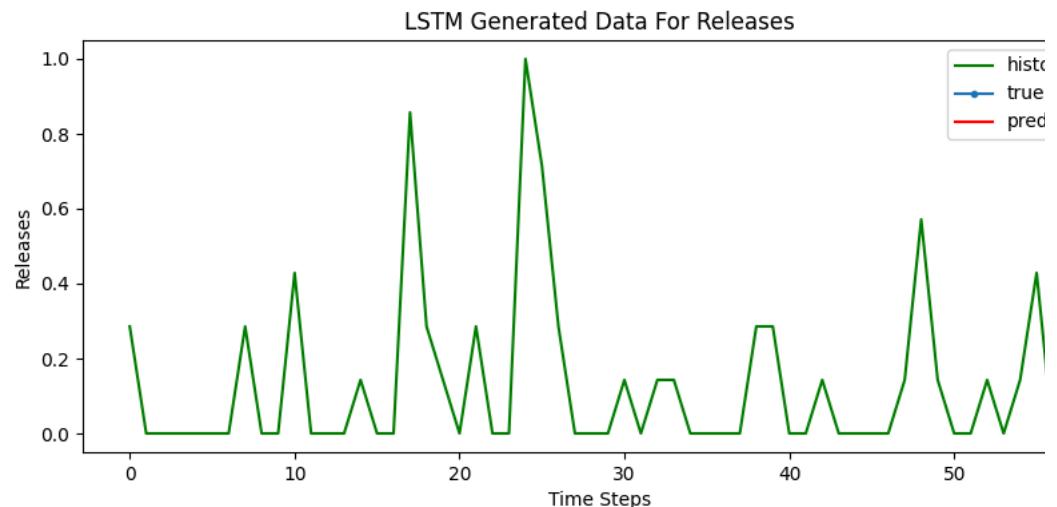
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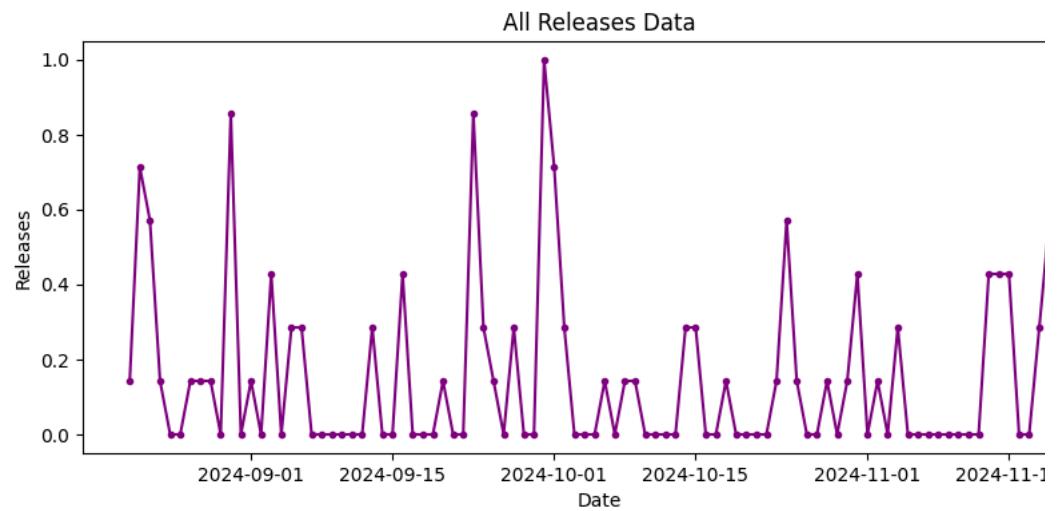
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All Issues Data for Releases



Timeseries Forecasting of Release using StatsModel

Observation Graph of Release Issues

Number of stars

Number of forks

LangChainai-Langchain

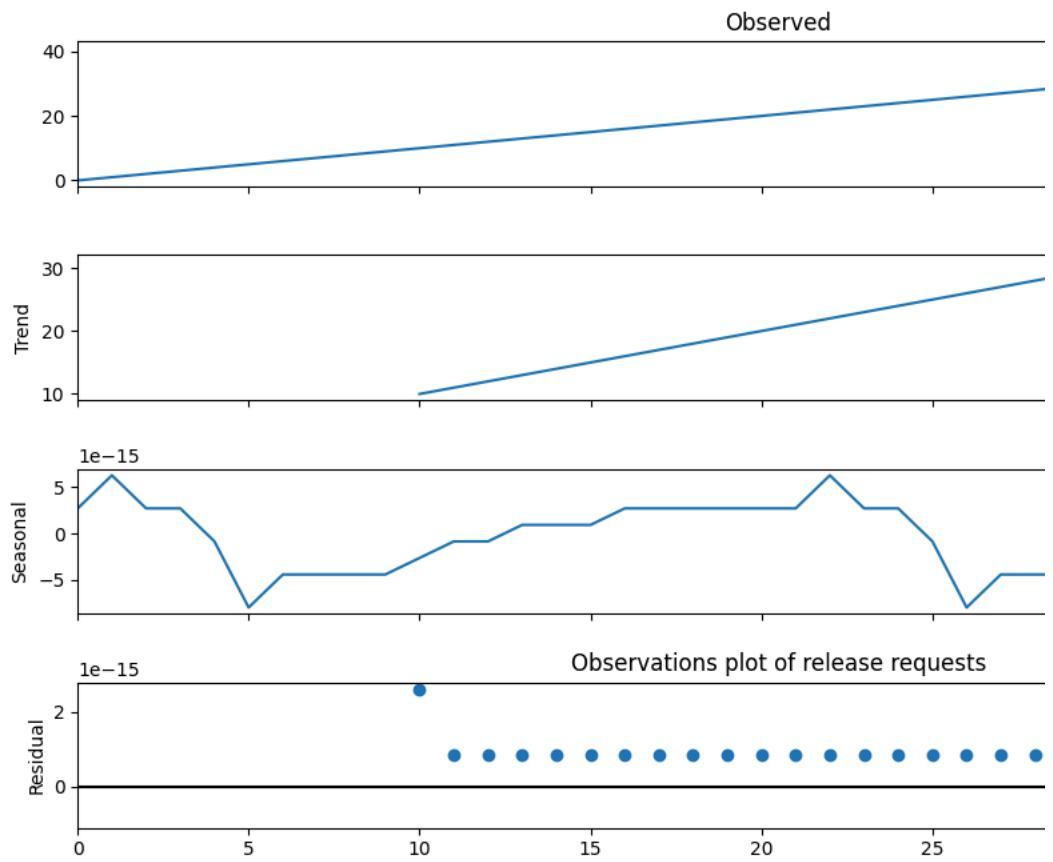
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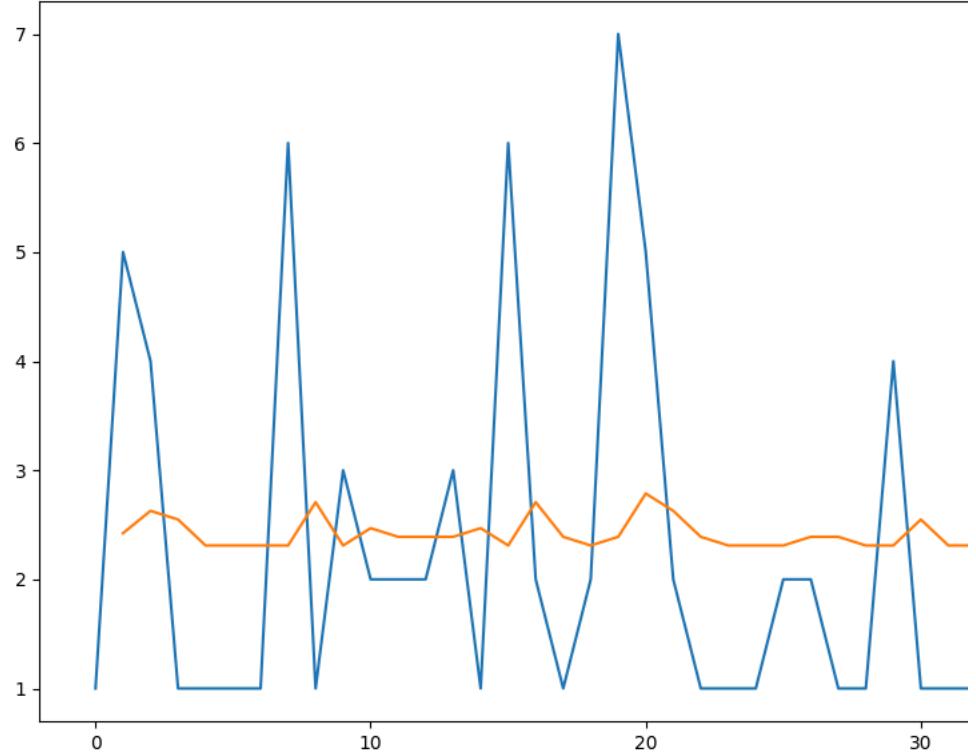
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Timeseries forecasting of release requests



Timeseries Forecasting of Release using Facebook/Prophet

No Release Data available for the repository

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

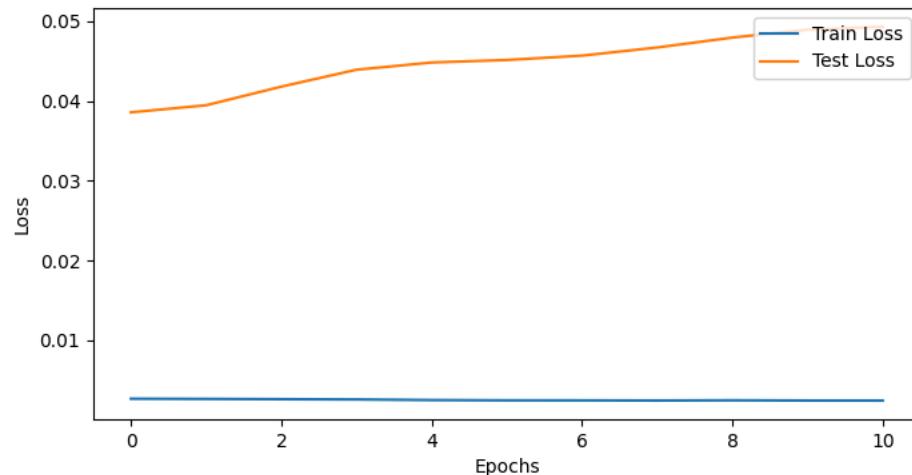
Microsoft-Autogen

Openai-Cookbook

elasticsearch

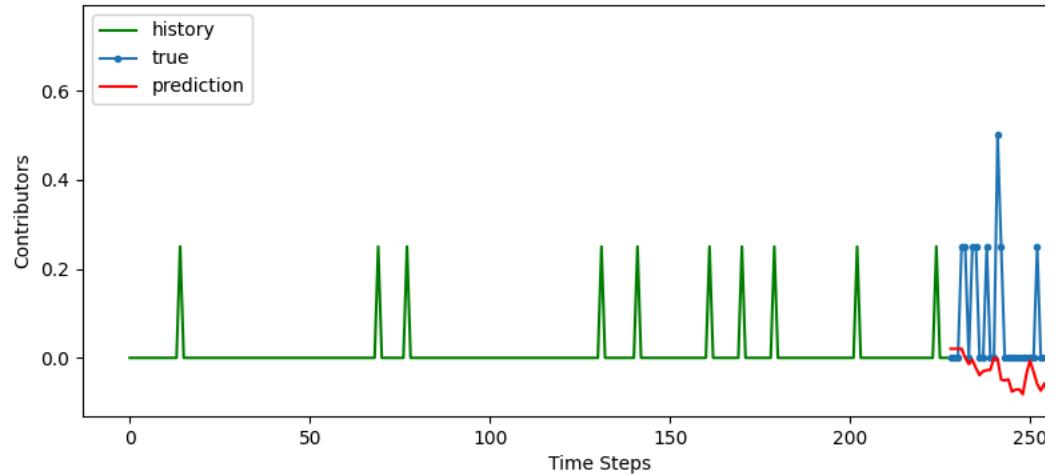
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Model Loss For Contributors



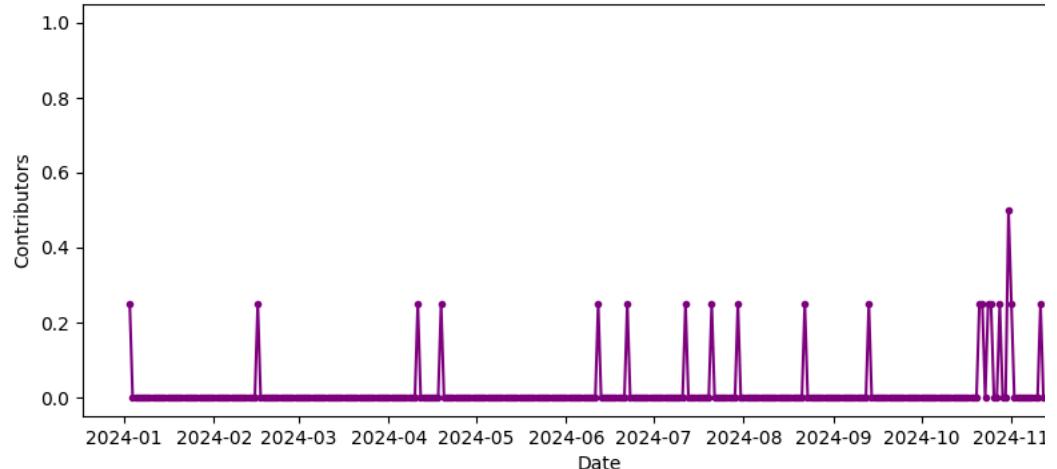
LSTM Generated Data for Contributors

LSTM Generated Data For Contributors



All Issues Data for Contributors

All Contributors Data



Timeseries Forecasting of Contributors using StatsModel

Observation Graph of Contributors

Number of stars

Number of forks

LangChainai-Langchain

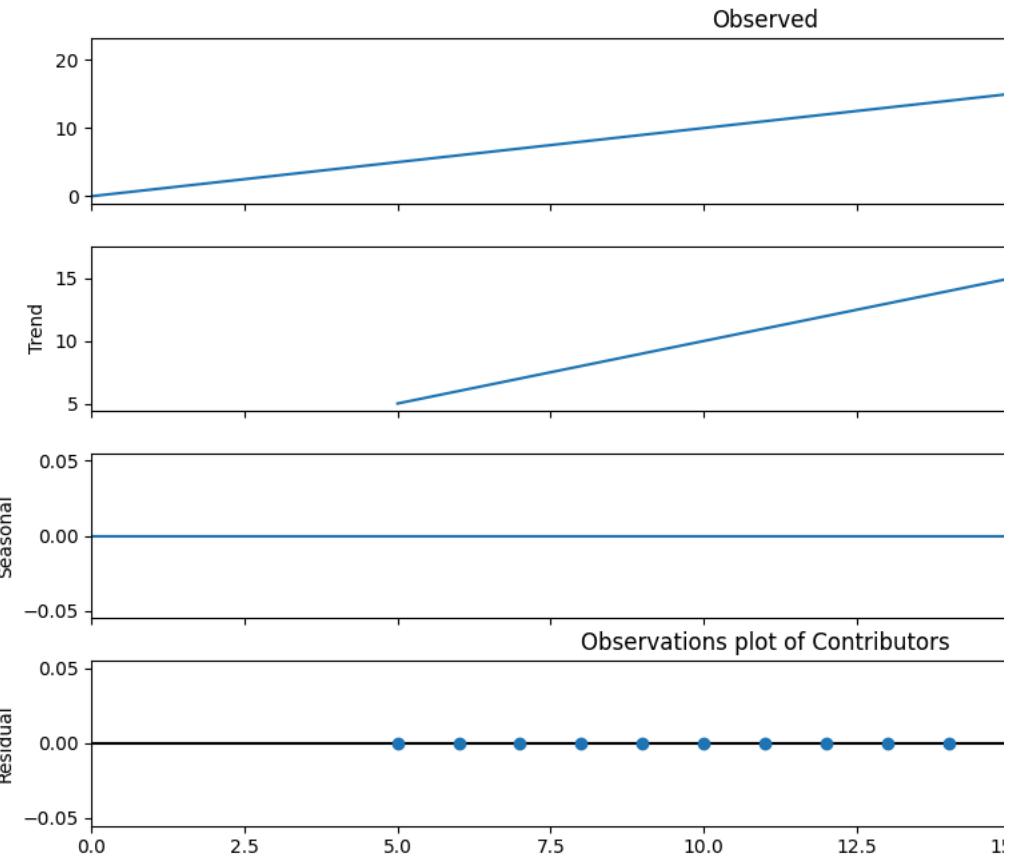
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

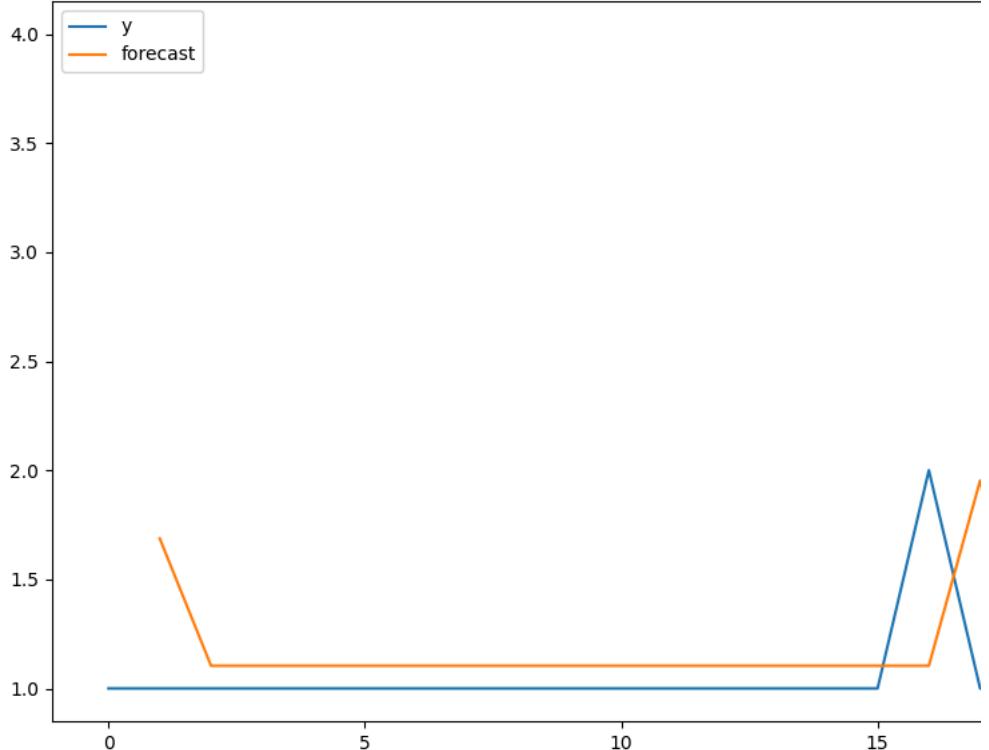
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Time Series Forecasting of Contributors

Timeseries forecasting of Contributors



Timeseries Forecasting of Contributors using Facebook/Prophet

Forecast of Contributors

Number of stars

Number of forks

LangChainai-Langchain

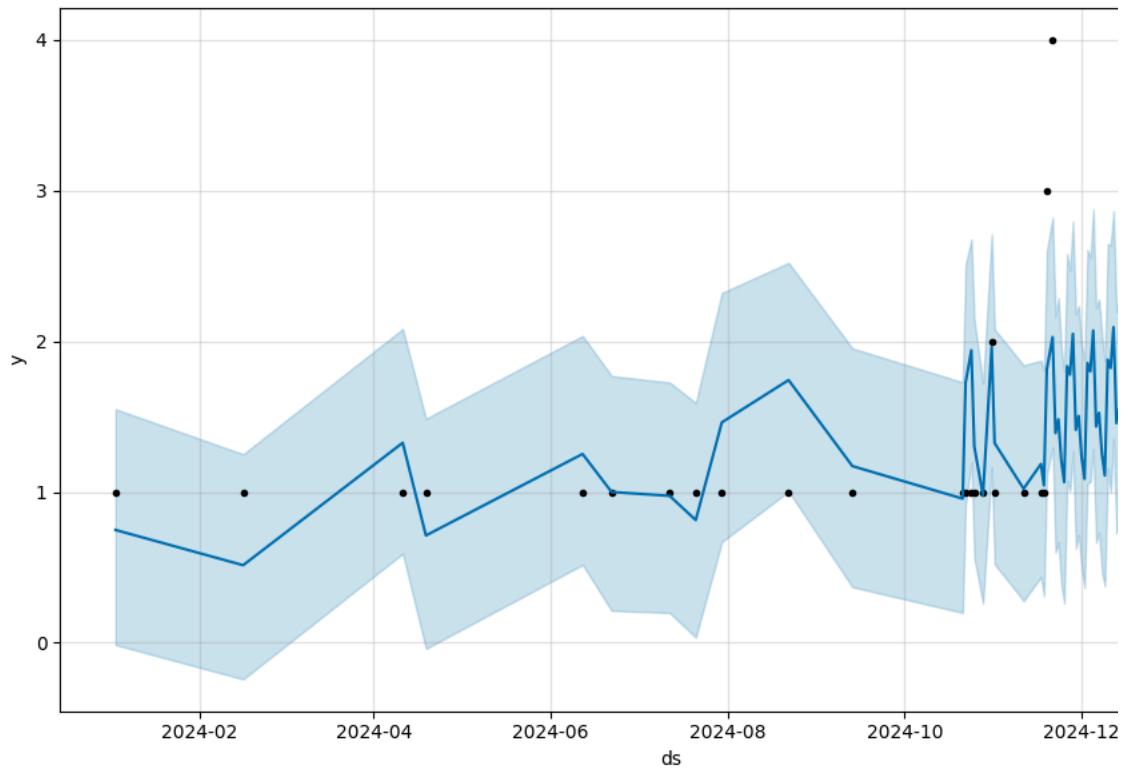
LangChainai-Langgraph

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Number of stars

Number of forks

LangChainai-Langchain

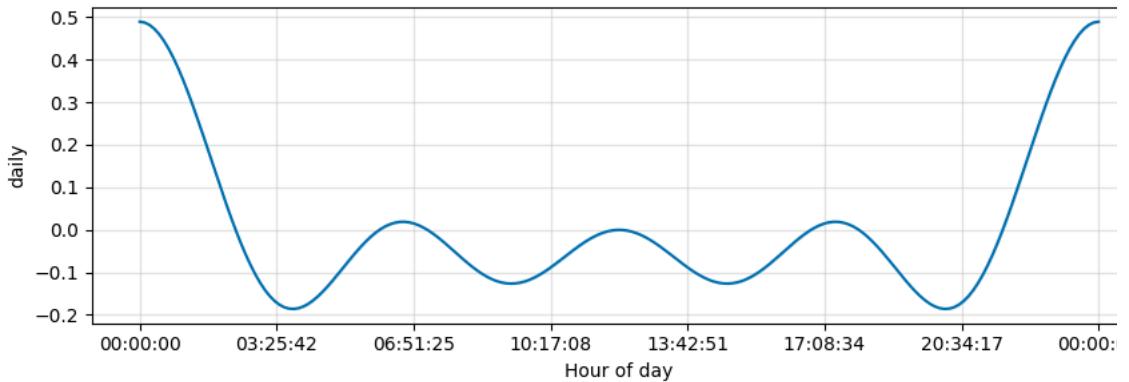
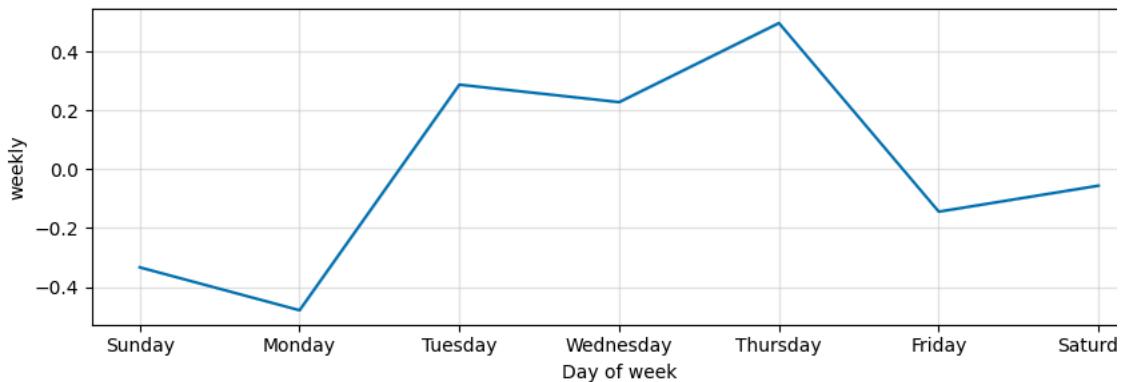
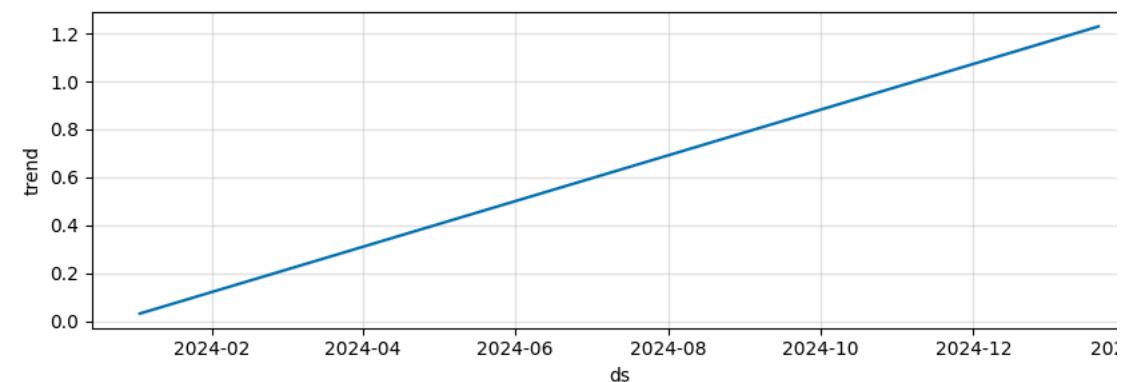
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Microsoft-Autogen

Openai-Cookbook

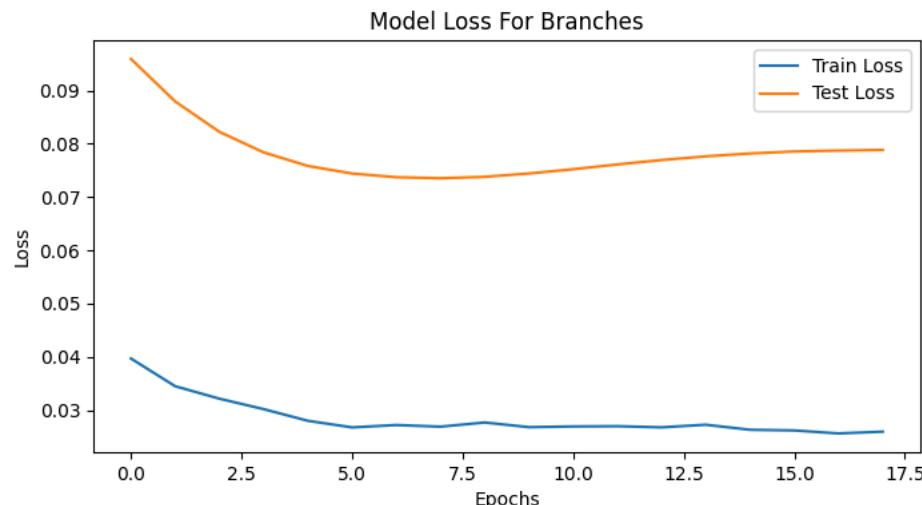
elasticsearch

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Timeseries Forecasting of Branches using Tensorflow and Keras LSTM

Model Loss for Branches



LSTM Generated Data for Branches

Number of stars

Number of forks

LangChainai-Langchain

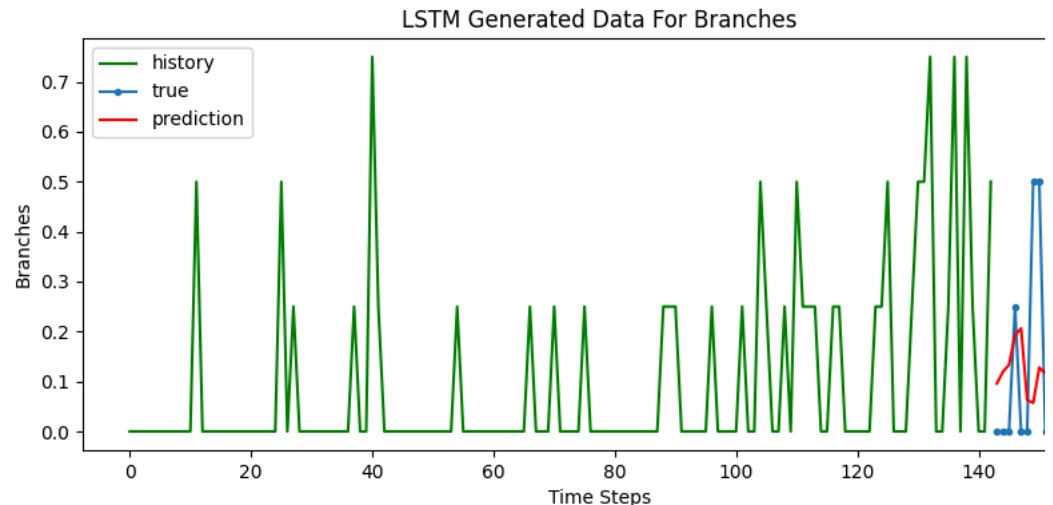
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Microsoft-Autogen

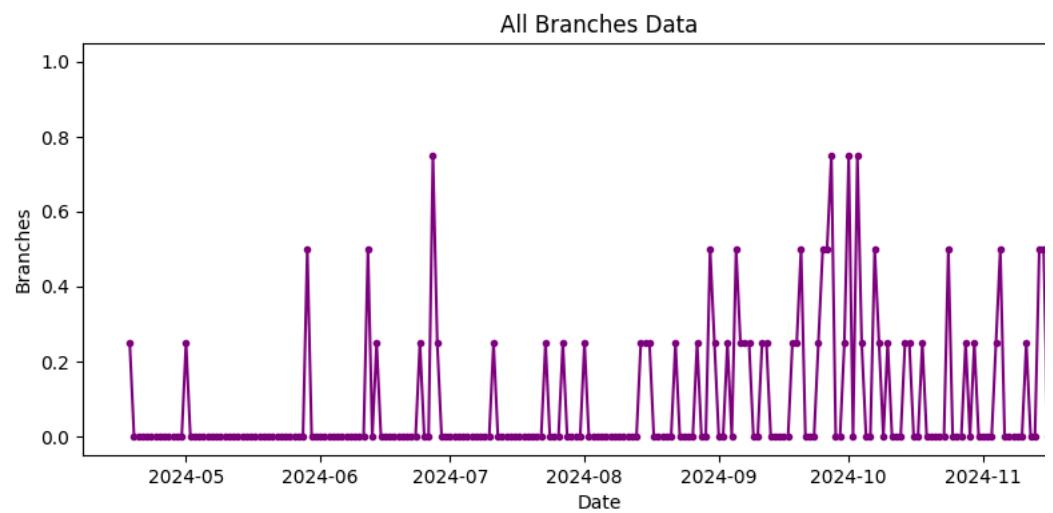
Openai-Cookbook

elasticsearch

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All Issues Data for Branches



Timeseries Forecasting of Branches using StatsModel

Observation Graph of Branches

Number of stars

Number of forks

LangChainai-Langchain

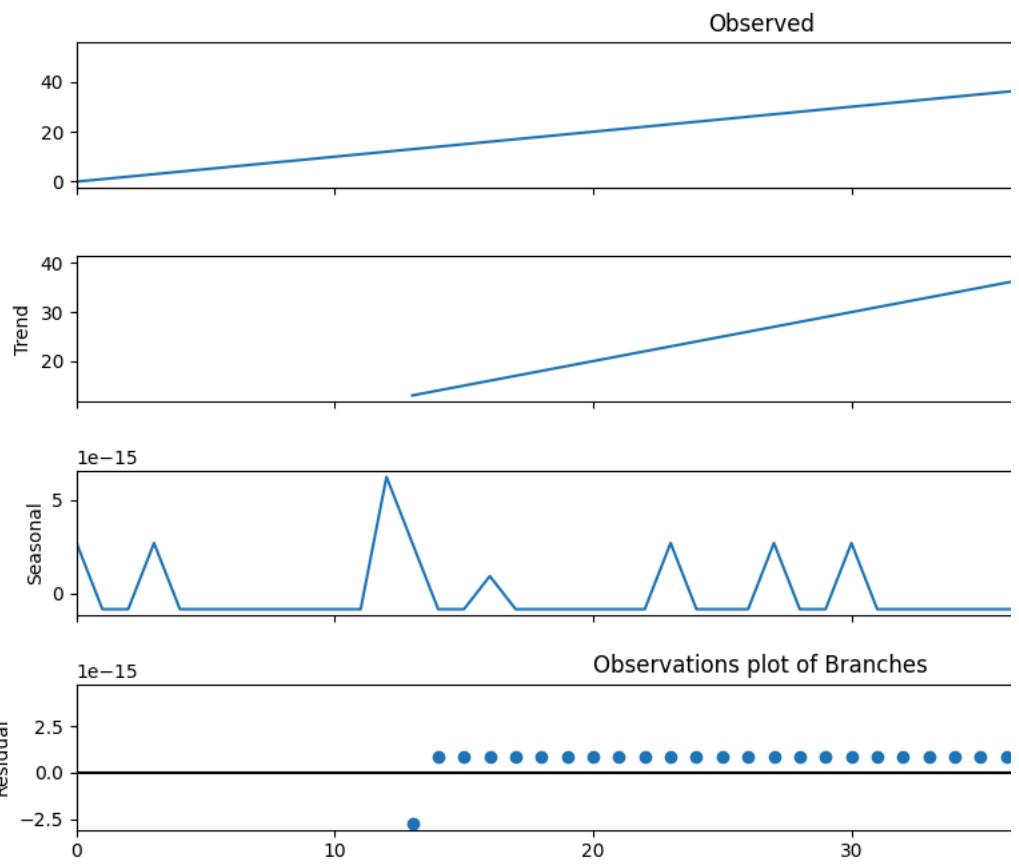
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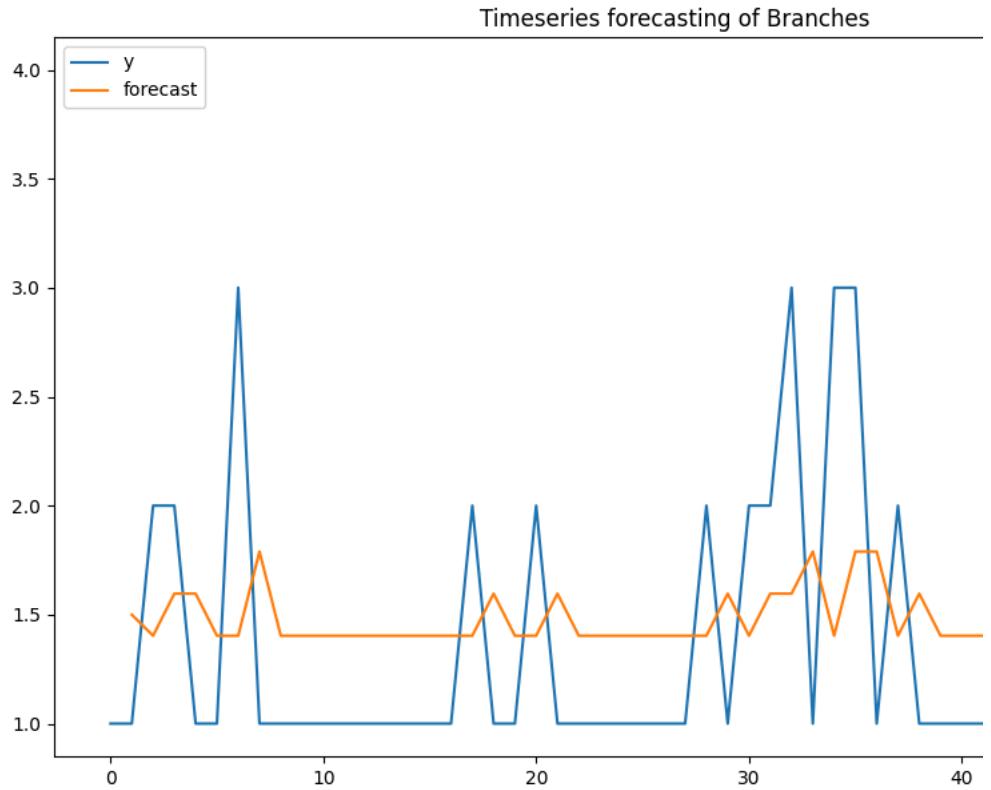
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Time Series Forecasting of Branches



Timeseries Forecasting of Branches using Facebook/Prophet

Forecast of Branches

Number of stars

Number of forks

LangChainai-Langchain

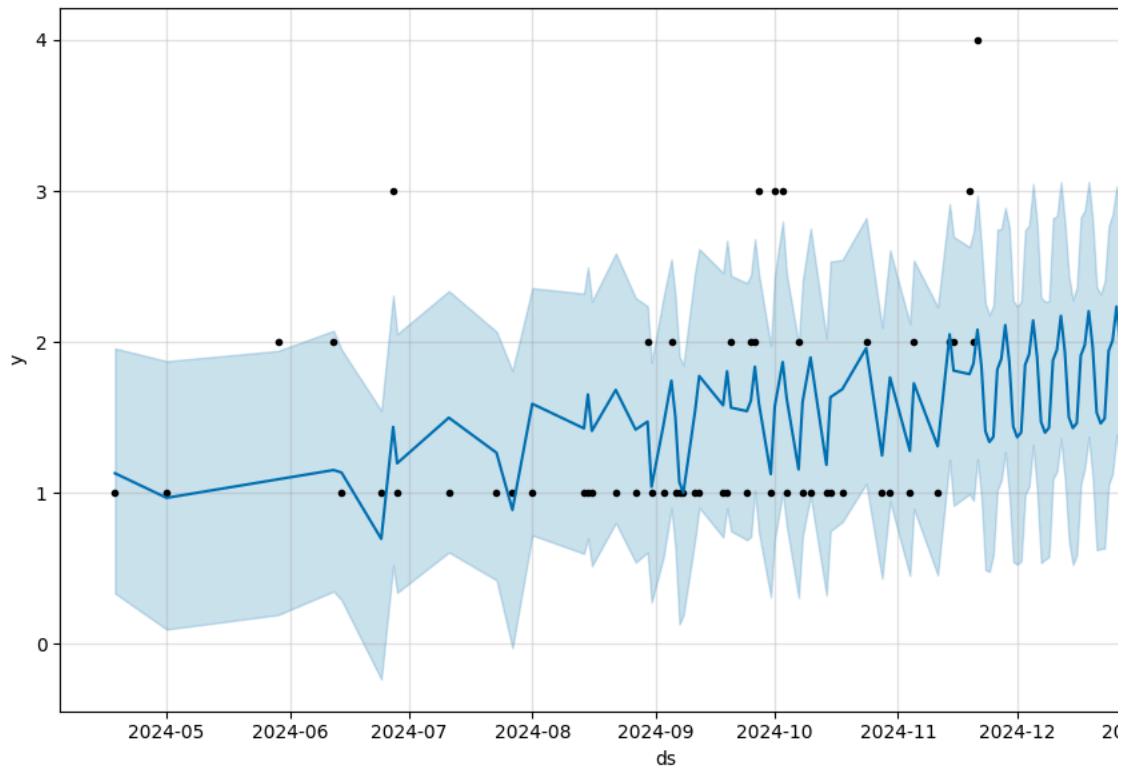
LangChainai-Langgraph

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Forecast Components of Branches

Number of stars

Number of forks

LangChainai-Langchain

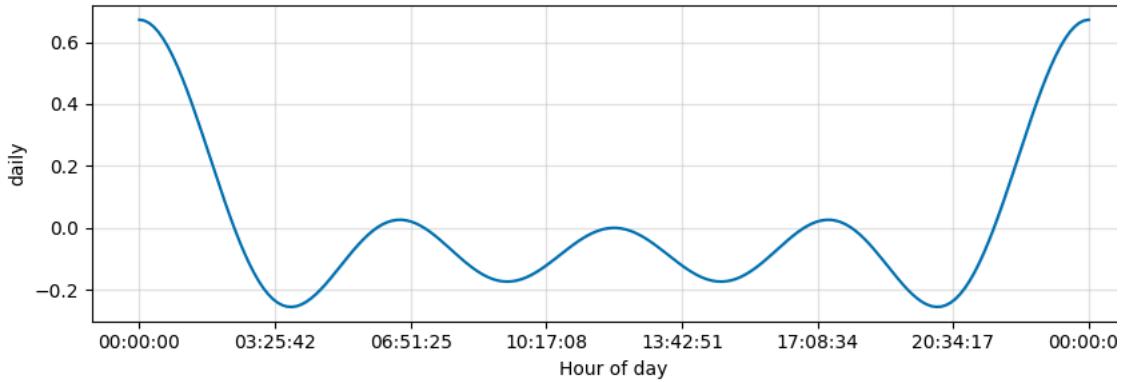
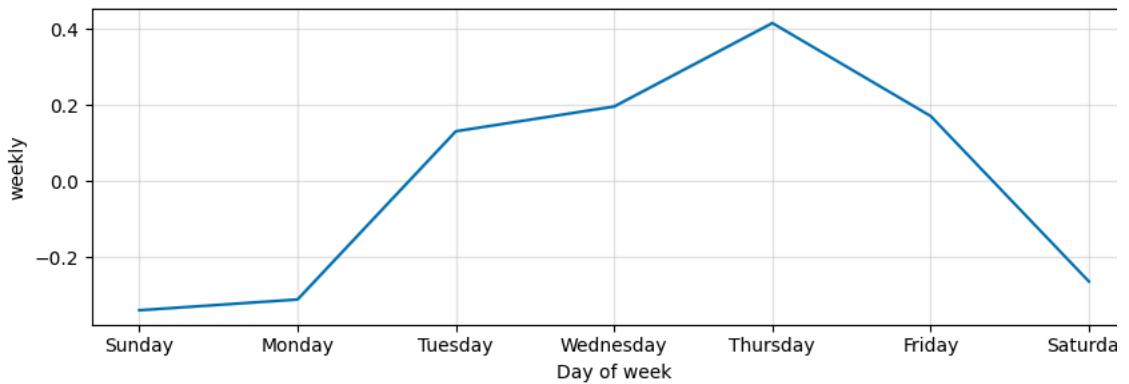
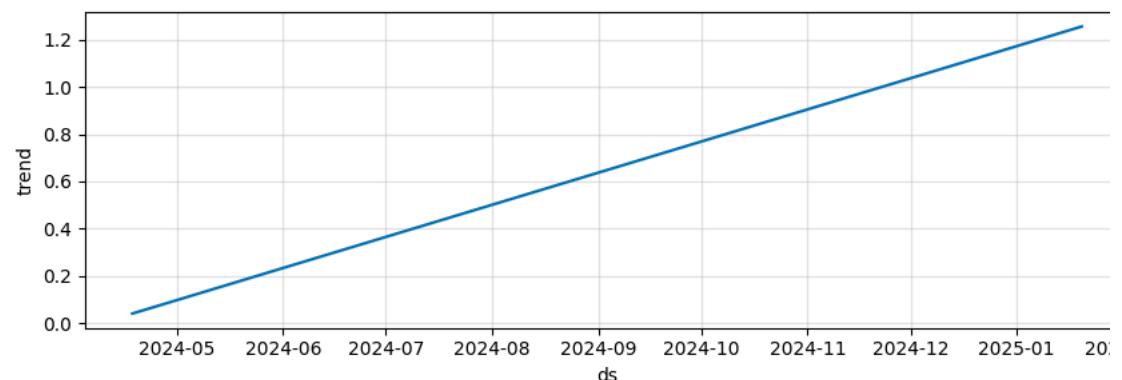
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

elasticsearch

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Timeseries Forecasting by Nency patel - Assignment 5 Part 1

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

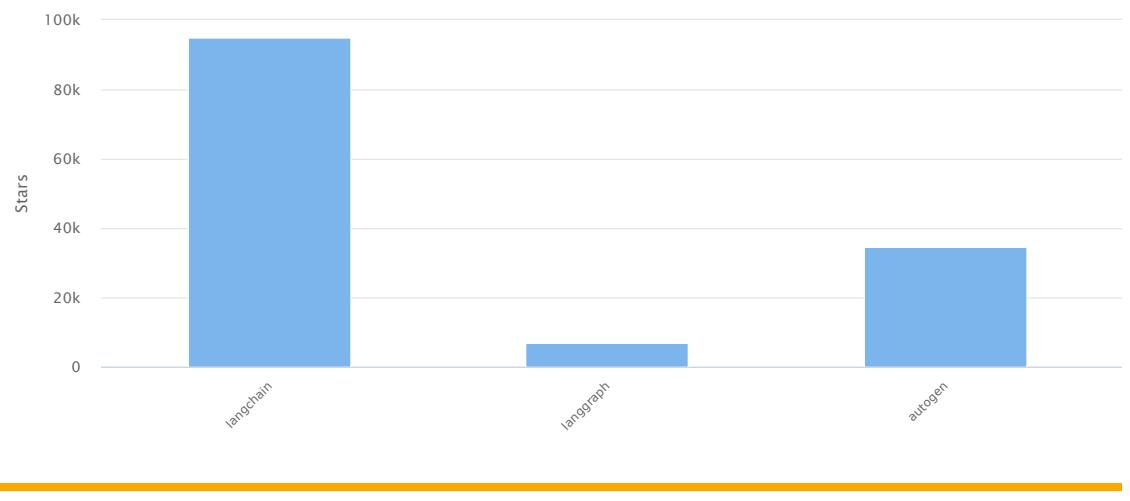
Microsoft-Autogen

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Number of stars for ea



Timeseries Forecasting by Nency patel - Assignment 5 Part 1

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

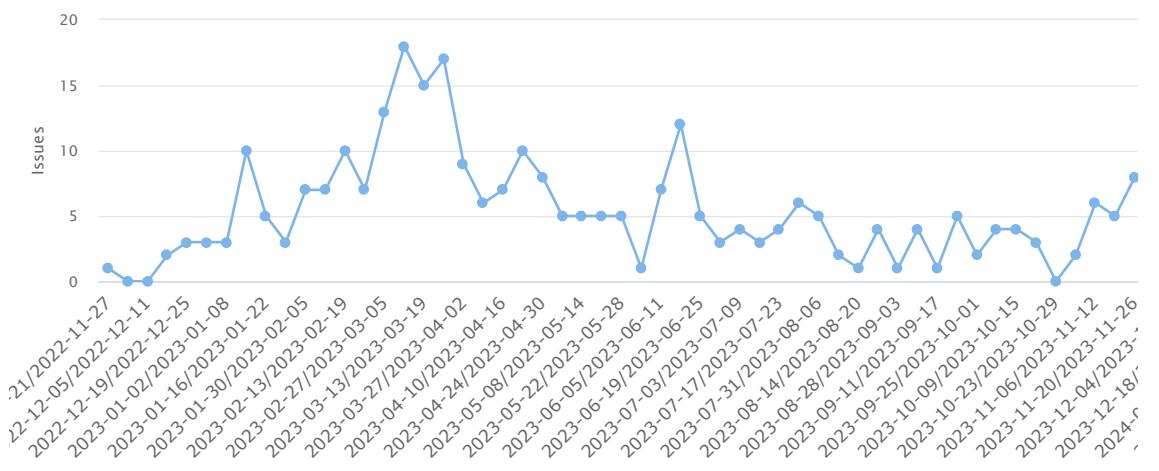
Microsoft-Autogen

Openai-Cookbook

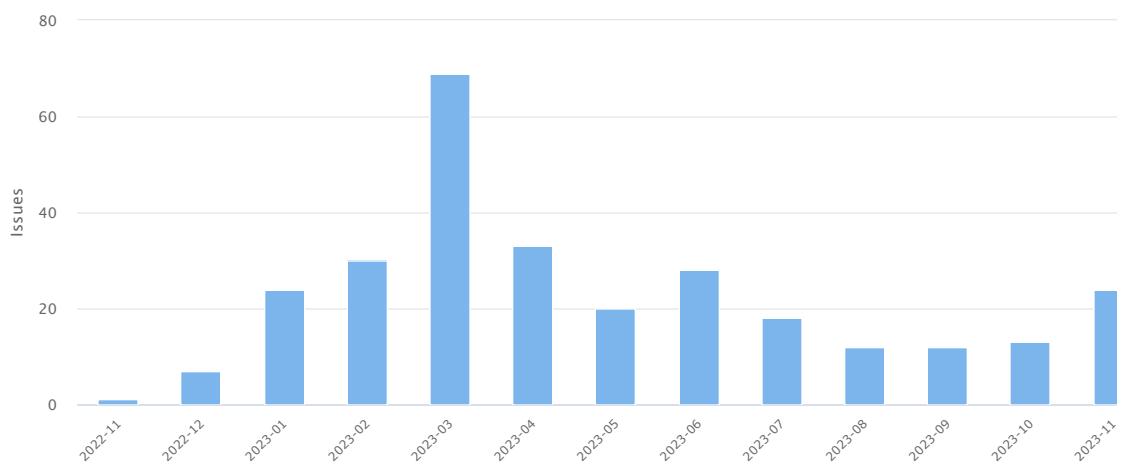
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Pymilvus

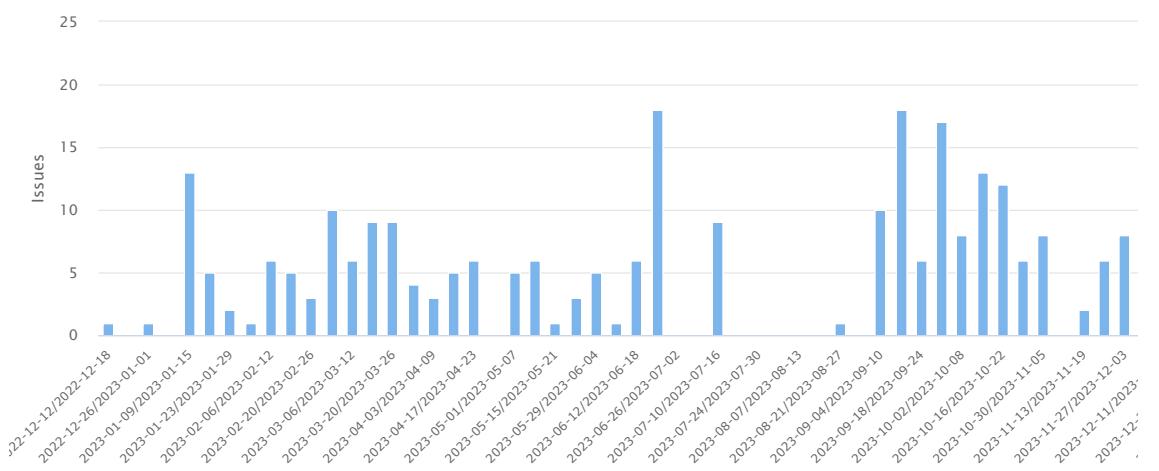
Issues of Openai-Cookbook



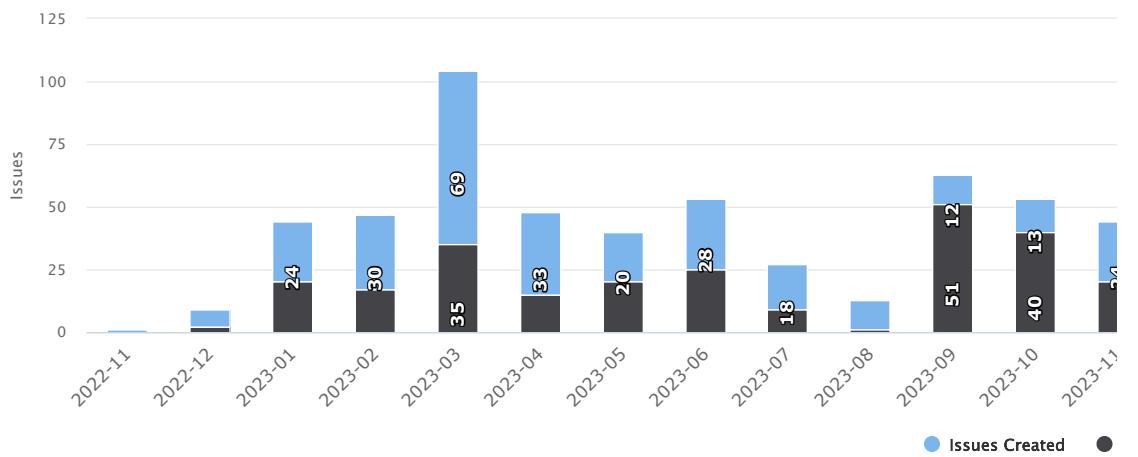
Monthly Created Issues of Openai-Cookbook



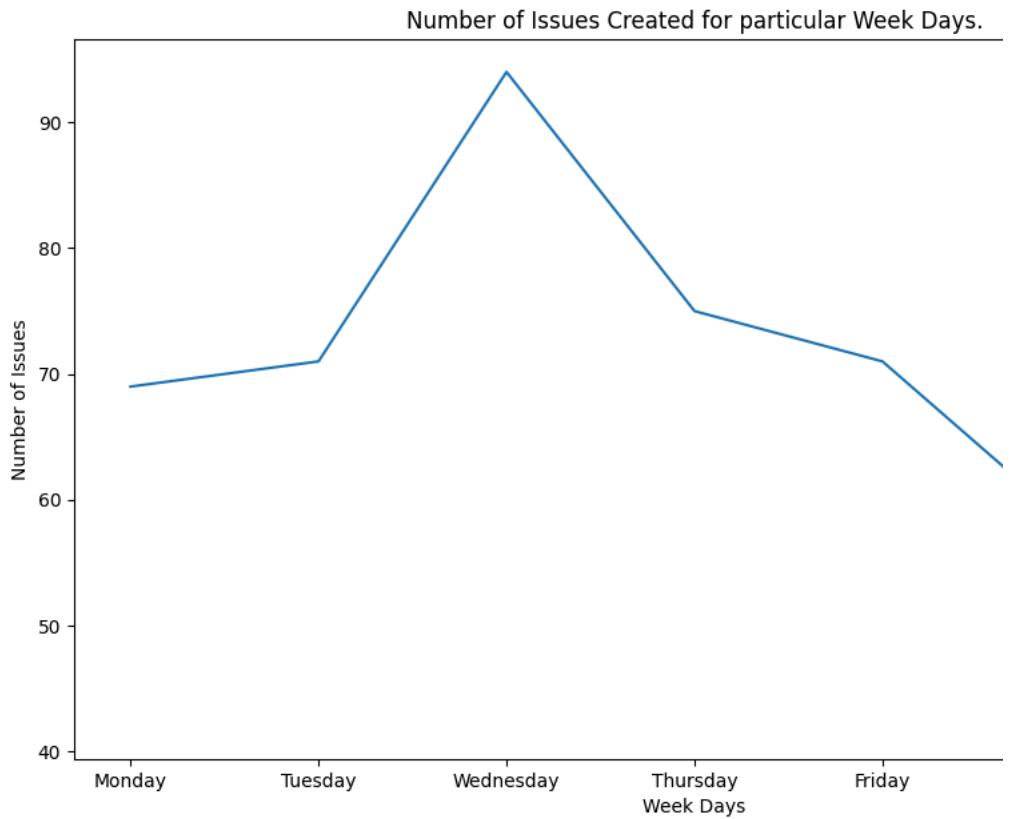
Weekly Closed Issues of Openai-Cookbook



Created and Closed Issues of Open



The day of the week maximum number of issues created



The day of the week maximum number of issues Closed

Number of stars

Number of forks

LangChainai-Langchain

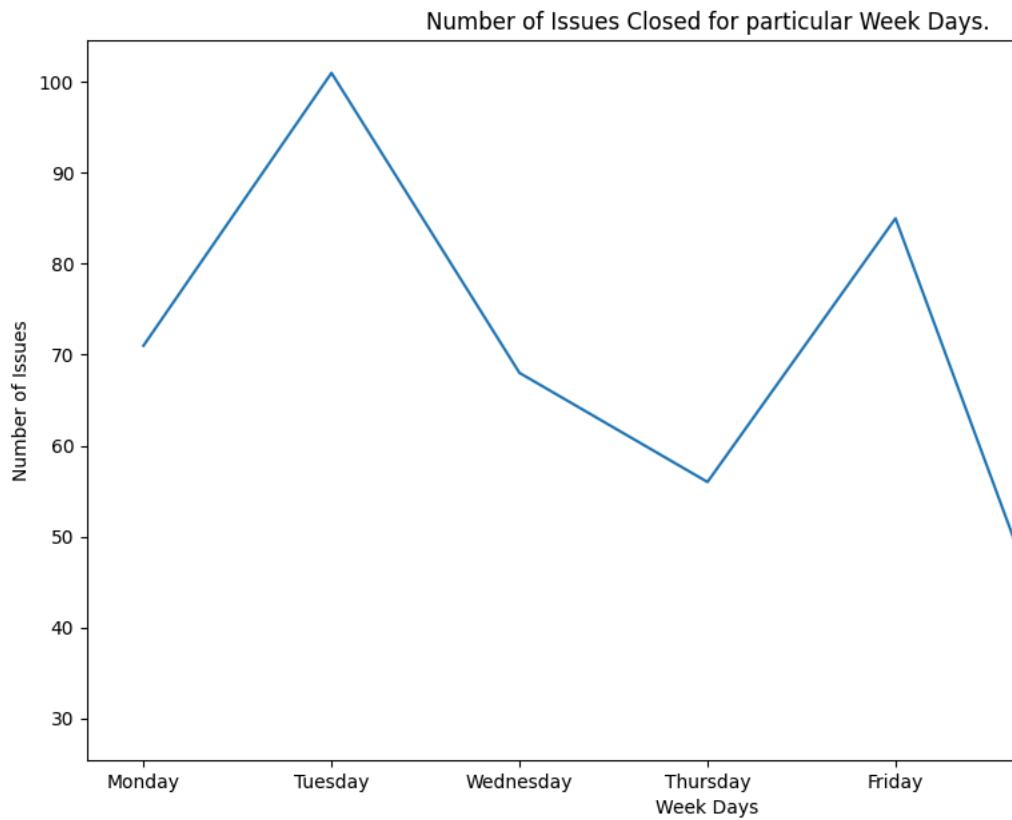
LangChainai-Langgraph

Microsoft-Autogen

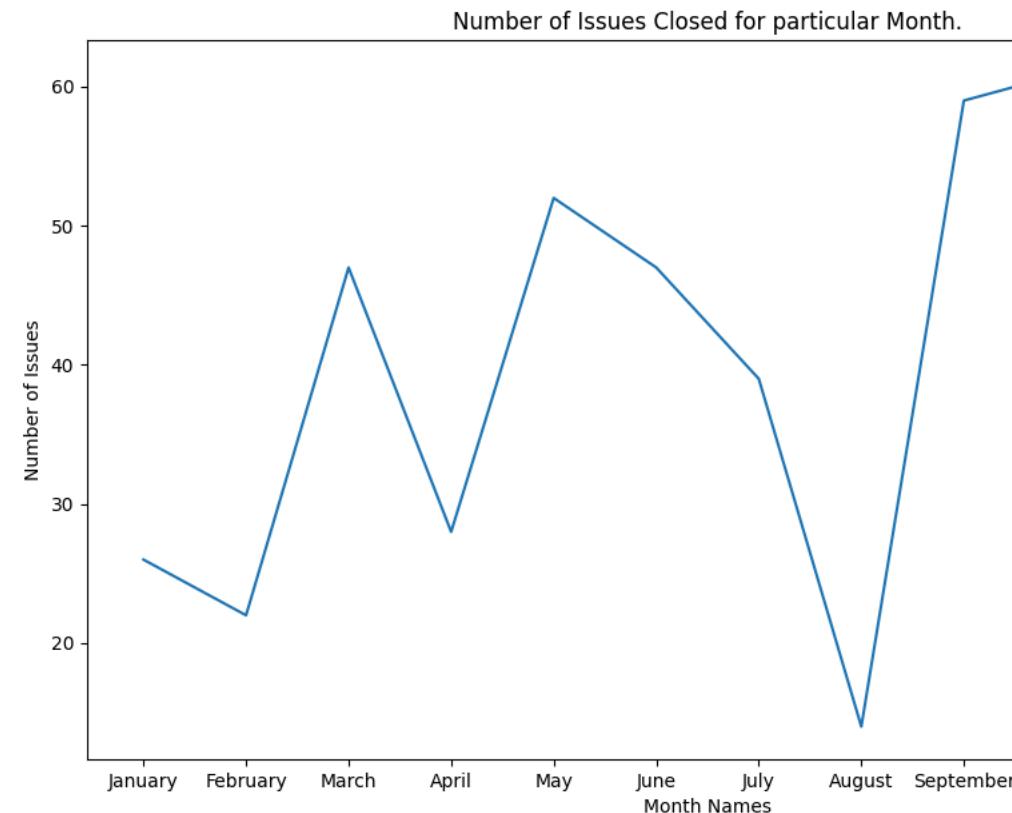
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The month of the year that has maximum number of issues closed



Timeseries Forecasting of Created Issues using Tensorflow and Keras LSTM ba

Model Loss for Created Issues

Number of stars

Number of forks

LangChainai-Langchain

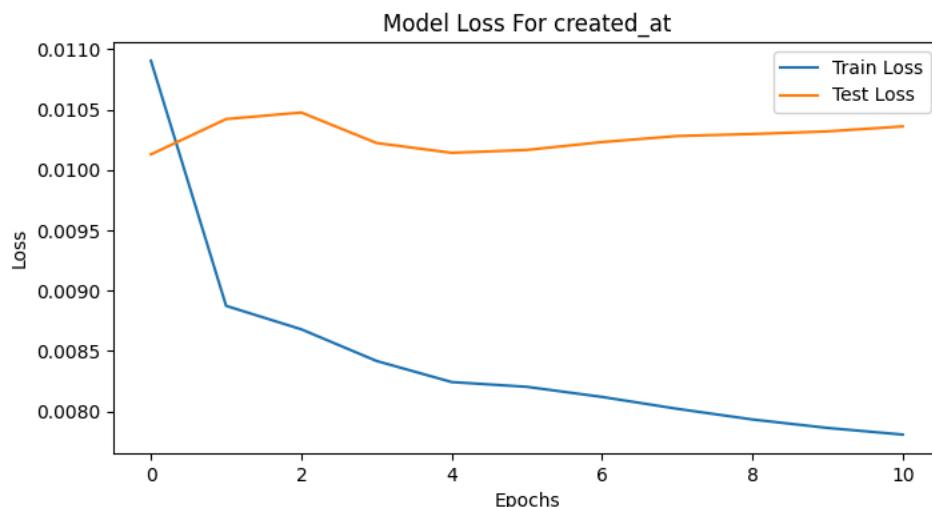
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Microsoft-Autogen

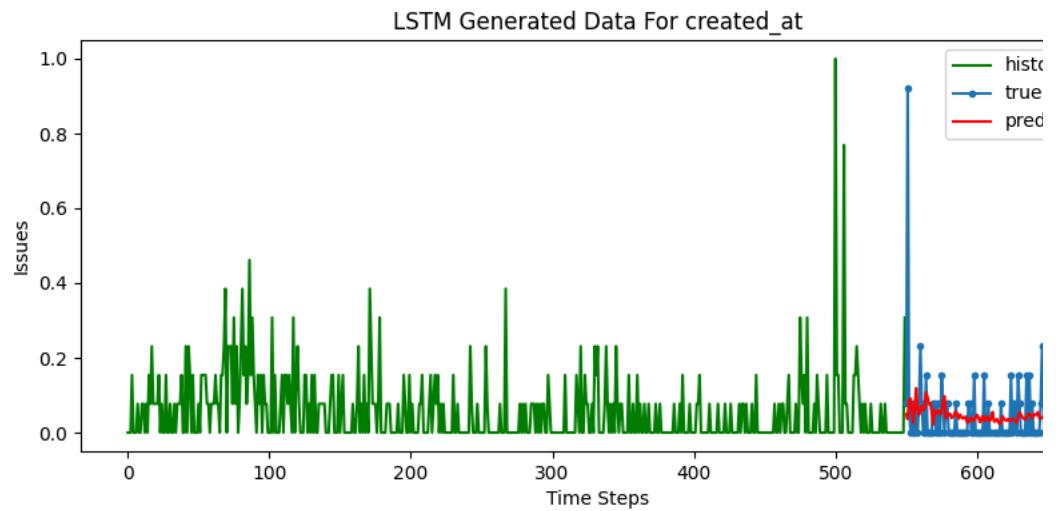
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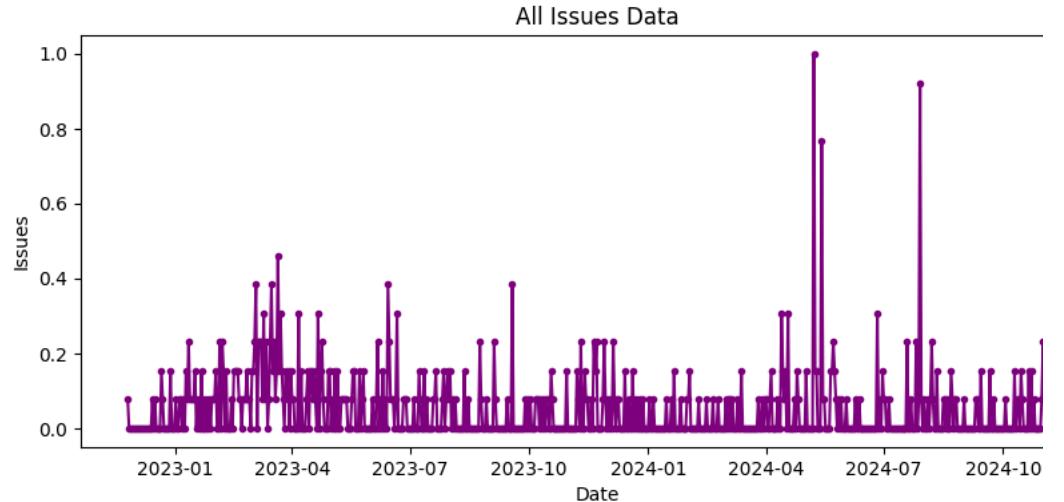
Pymilvus



LSTM Generated Data for Created Issues



All Issues Data for Created Issues



Timeseries Forecasting of Closed Issues using Tensorflow and Keras LSTM bas

Model Loss for Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

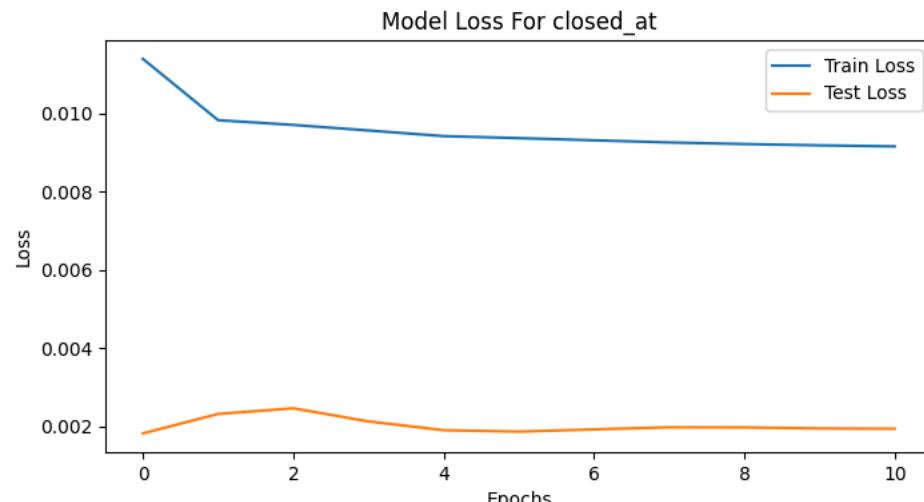
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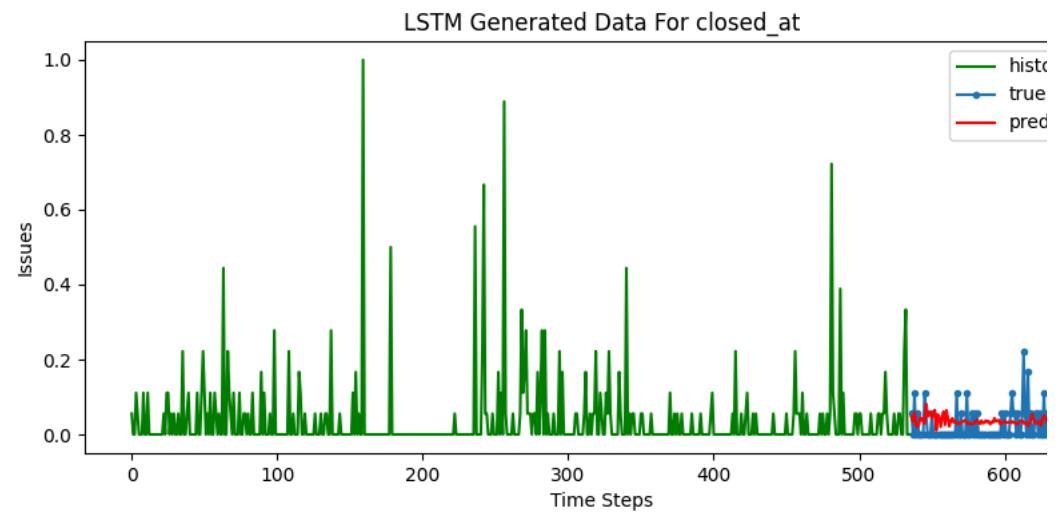
Openai-Cookbook

elasticsearch

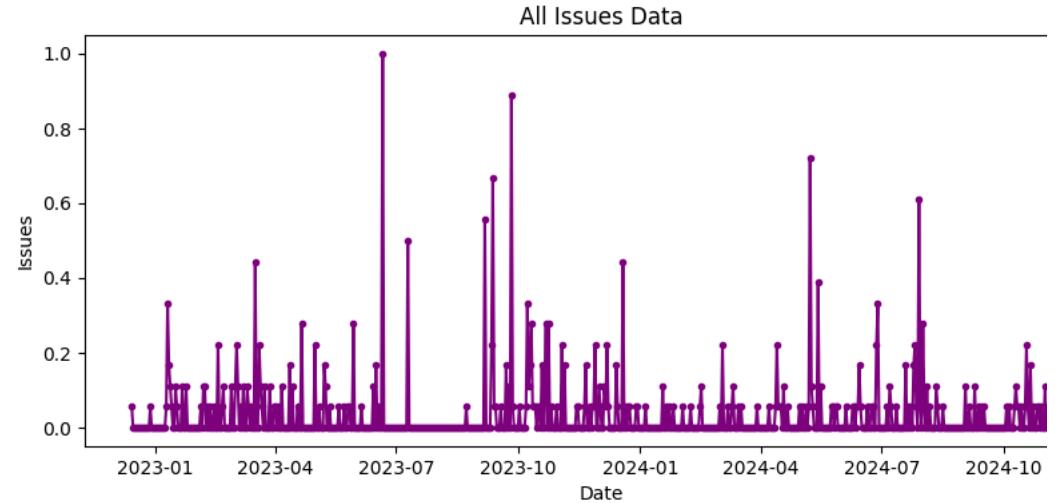
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LSTM Generated Data for Closed Issues



All Issues Data for Closed Issues



Timeseries Forecasting of Pull Requests using Tensorflow and Keras LSTM based Model Loss for Pull Requests

Number of stars

Number of forks

LangChainai-Langchain

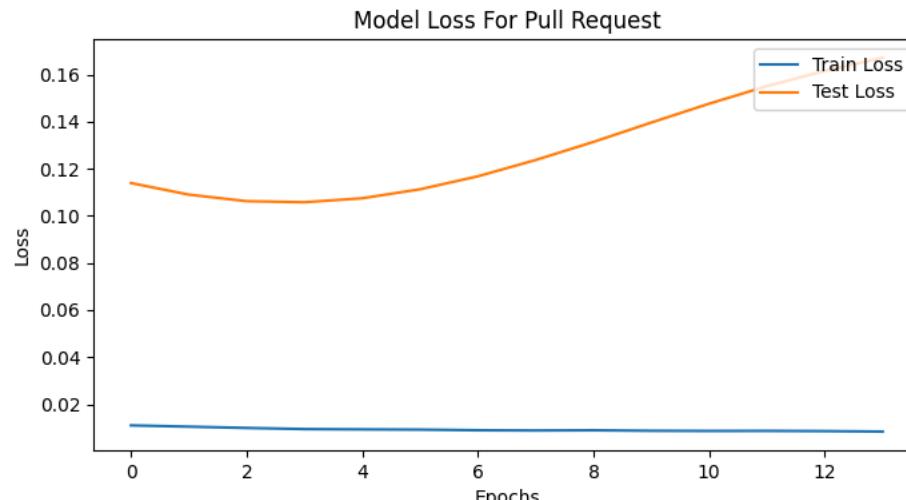
LangChainai-Langgraph

Microsoft-Autogen

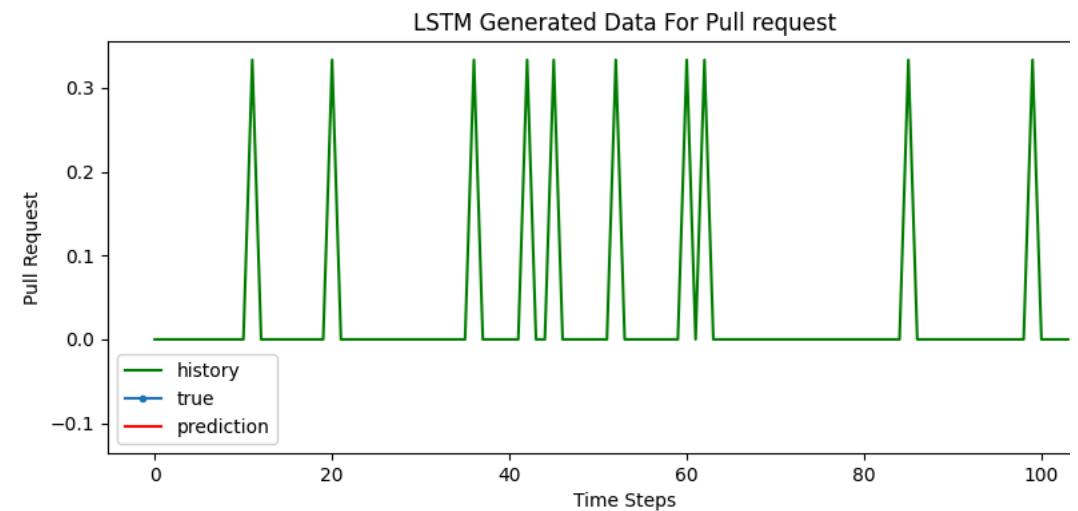
Openai-Cookbook

elasticsearch

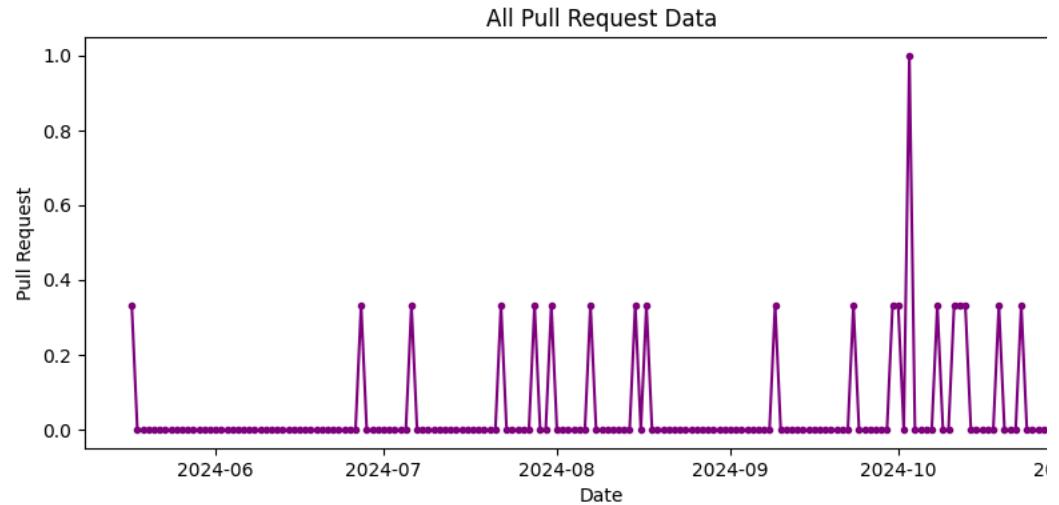
Pymilvus



LSTM Generated Data for Pull Requests



All Issues Data for Pull Requests



Timeseries Forecasting of Commits using Tensorflow and Keras LSTM based or
Model Loss for Commits

Number of stars

Number of forks

LangChainai-Langchain

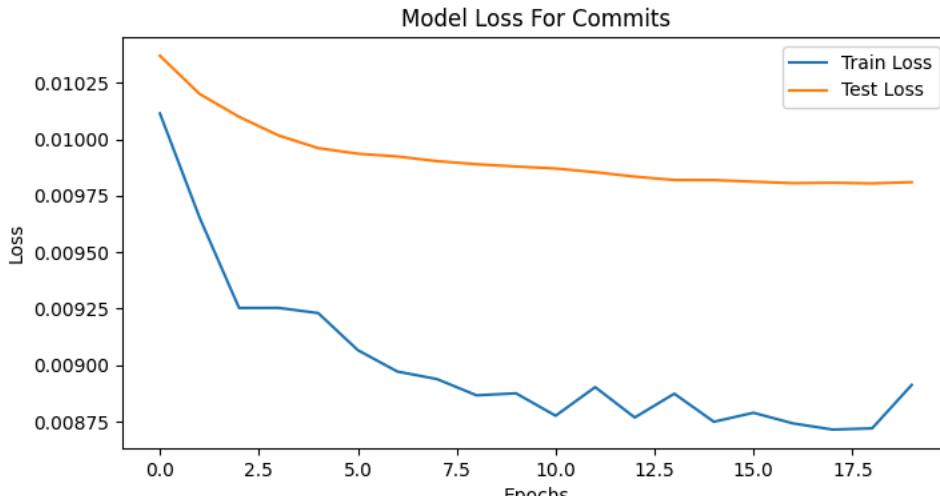
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Microsoft-Autogen

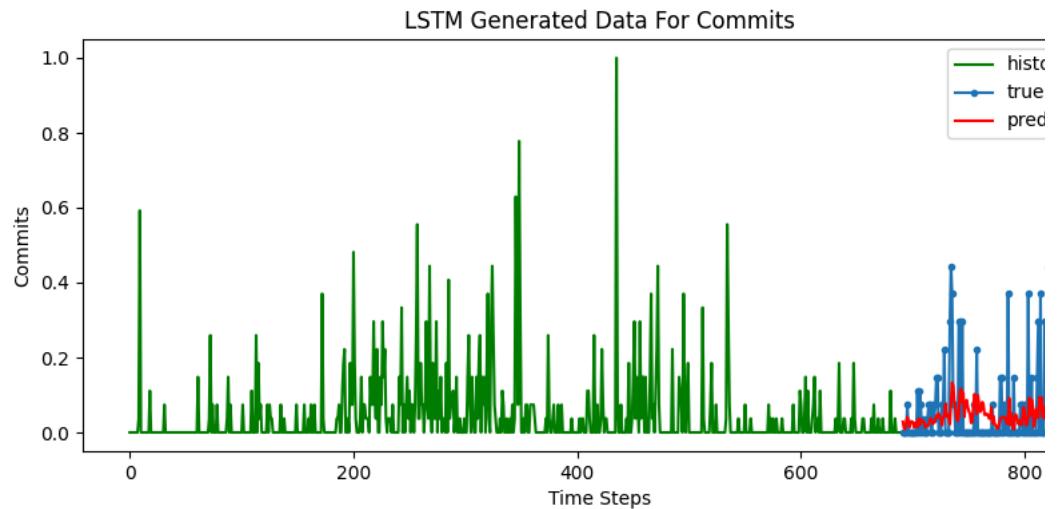
Openai-Cookbook

elasticsearch

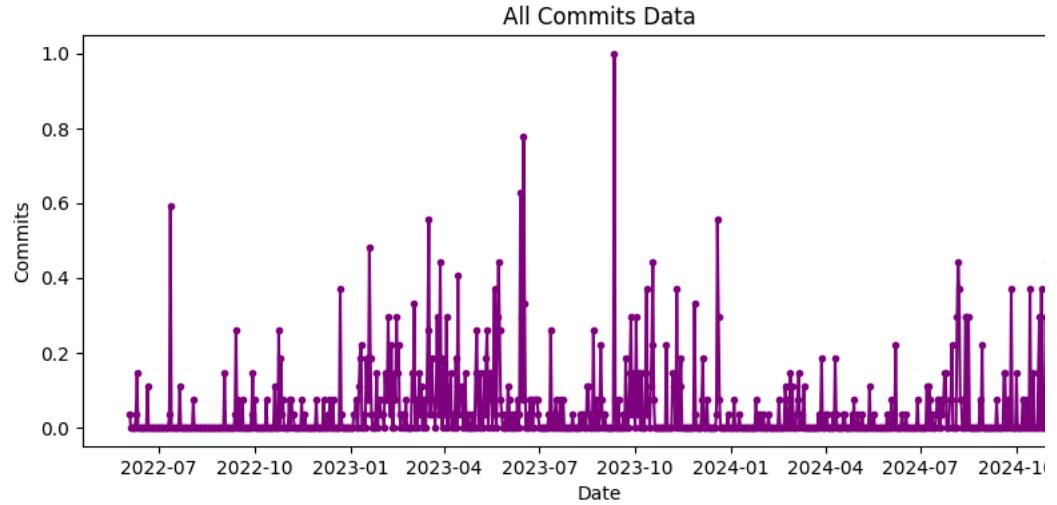
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LSTM Generated Data for Commits



All Issues Data for Commits



Timeseries Forecasting of Created Issues using Facebook/Prophet based on past
Forecast of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

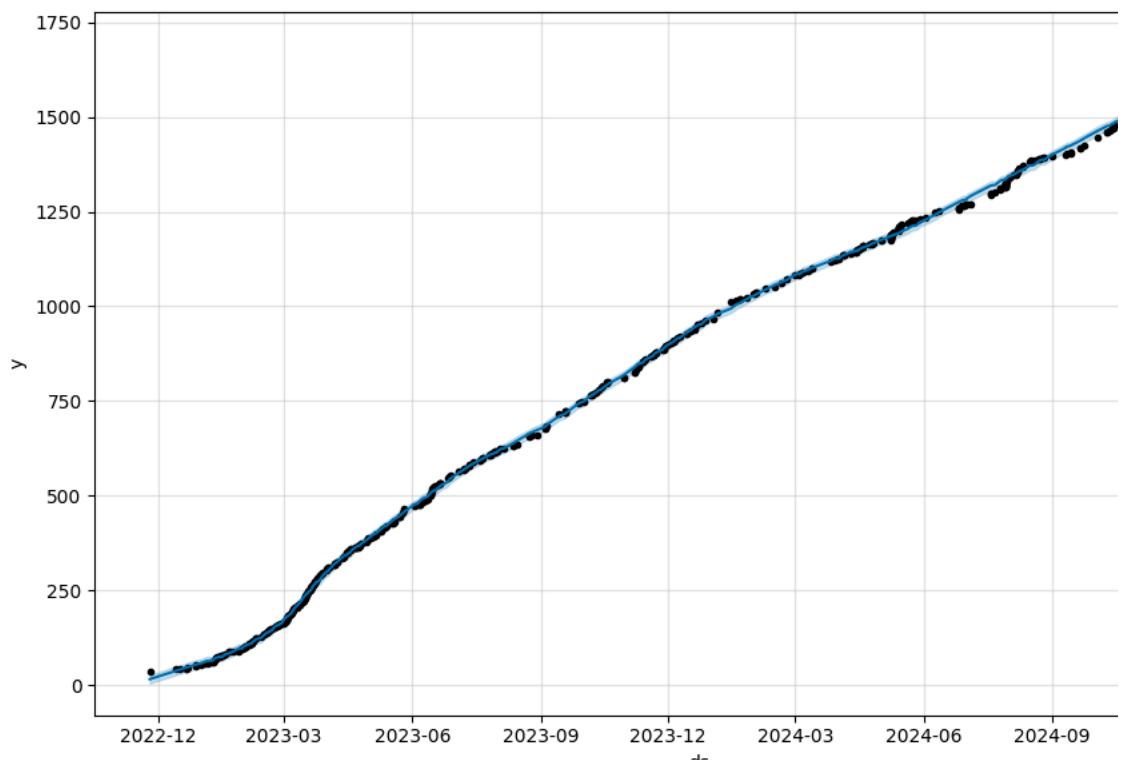
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Forecast Components of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

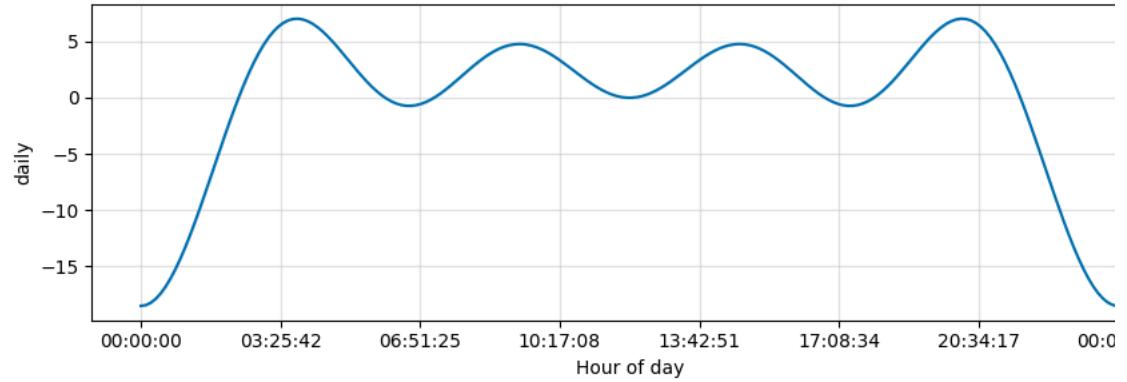
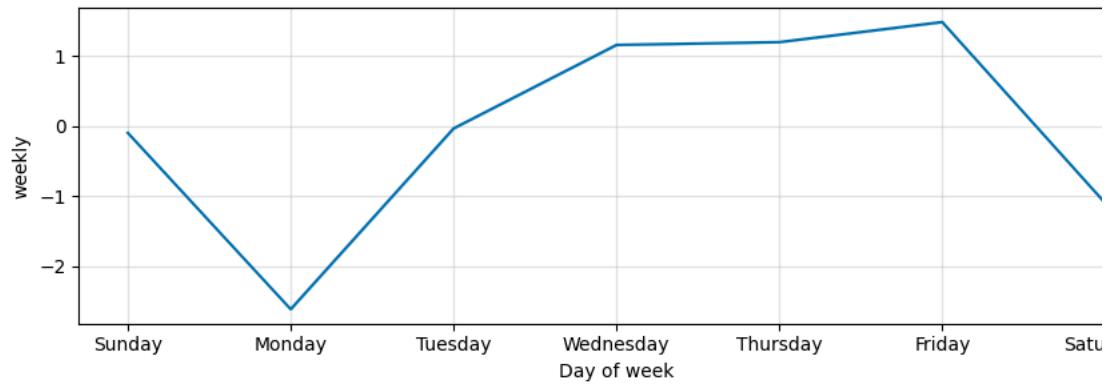
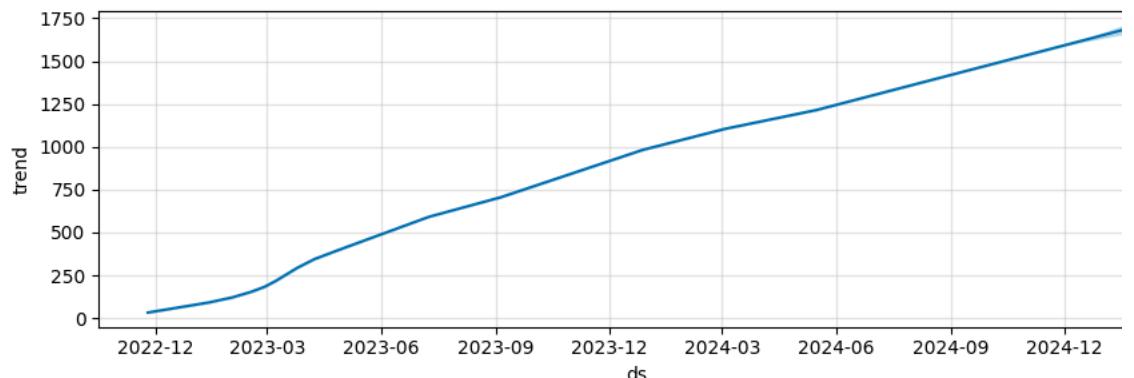
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Timeseries Forecasting of Closed Issues using Facebook/Prophet based on past
Forecast of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

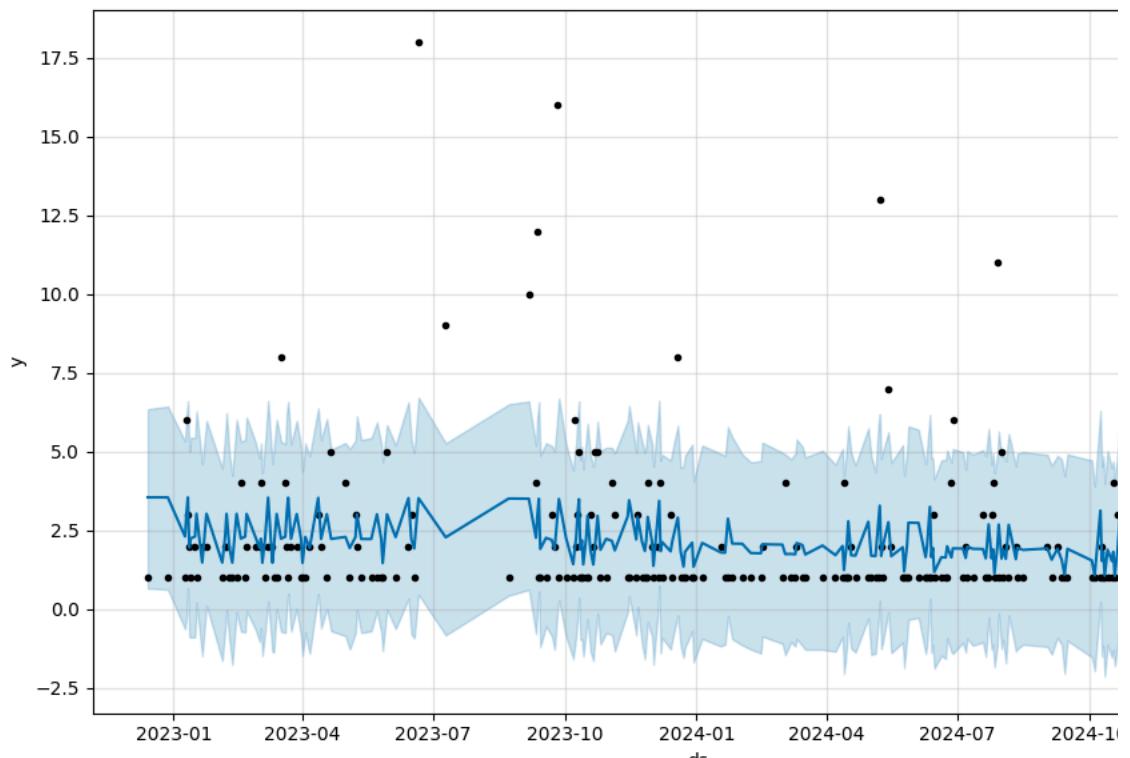
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Forecast Components of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

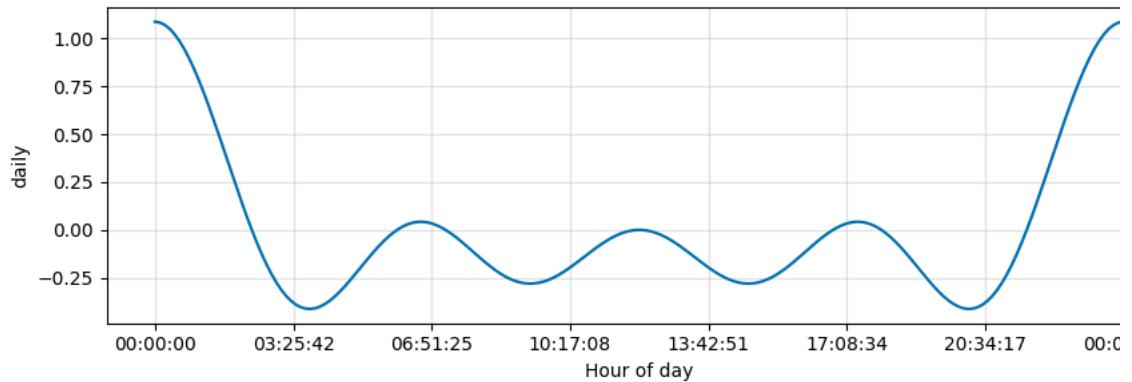
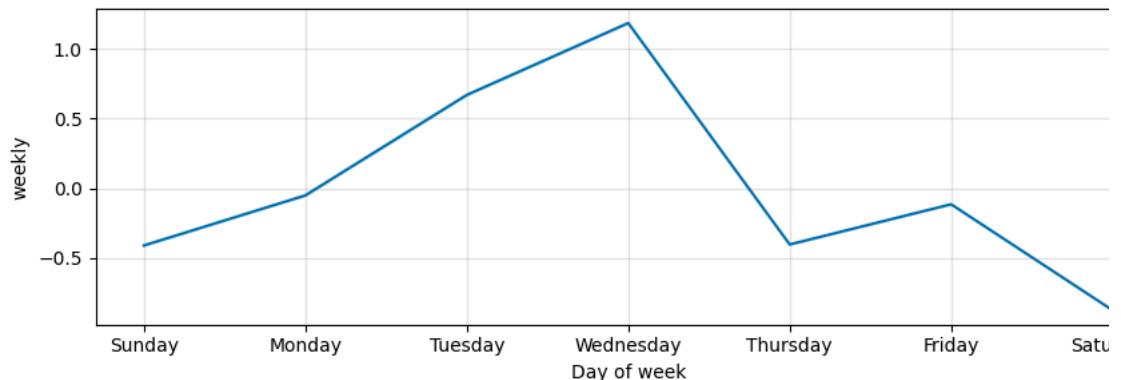
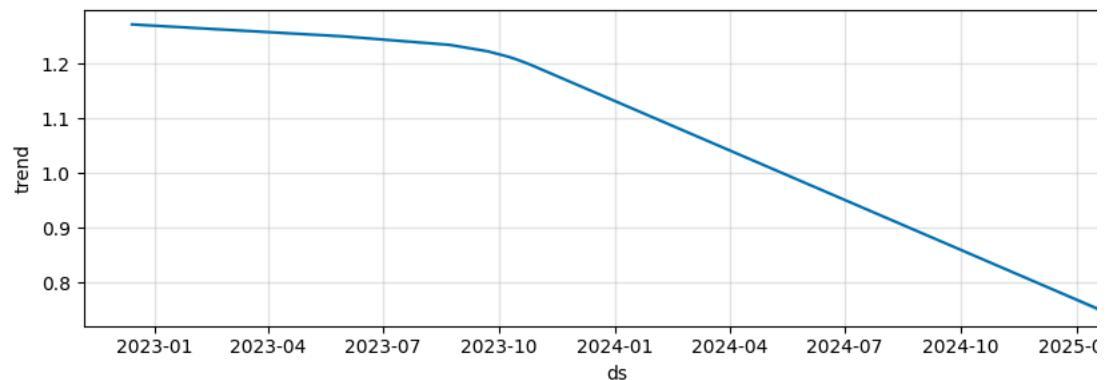
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Timeseries Forecasting of Pull Request using Facebook/Prophet based on past

Forecast of Pull Request



Forecast Components of Pull Request



Timeseries Forecasting of Commits using Facebook/Prophet based on past mor

Forecast of Commits

Number of stars

Number of forks

LangChainai-Langchain

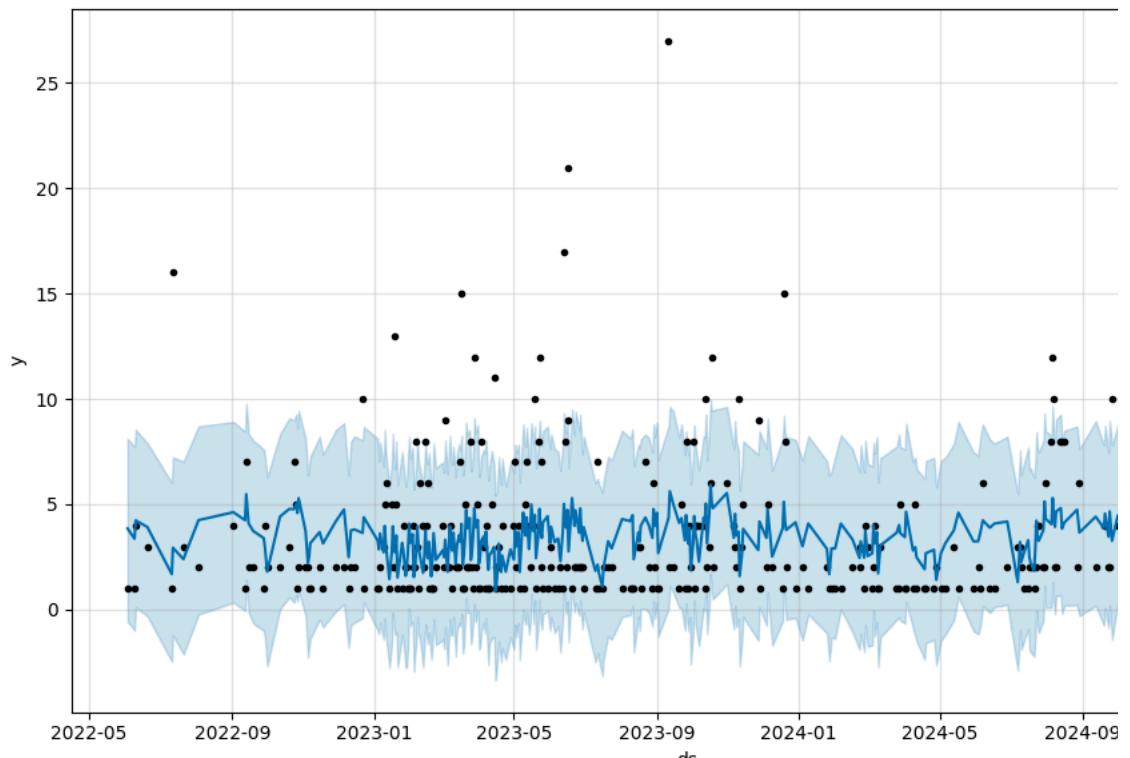
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Forecast Components of Commits

Number of stars

Number of forks

LangChainai-Langchain

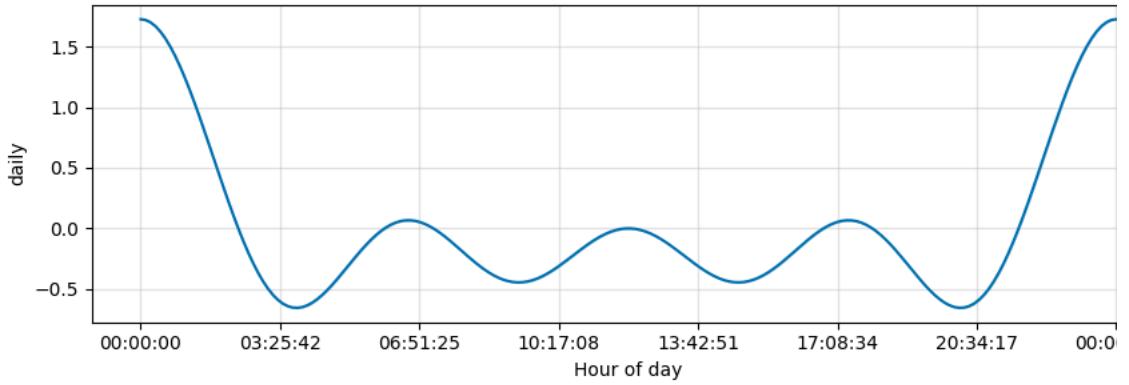
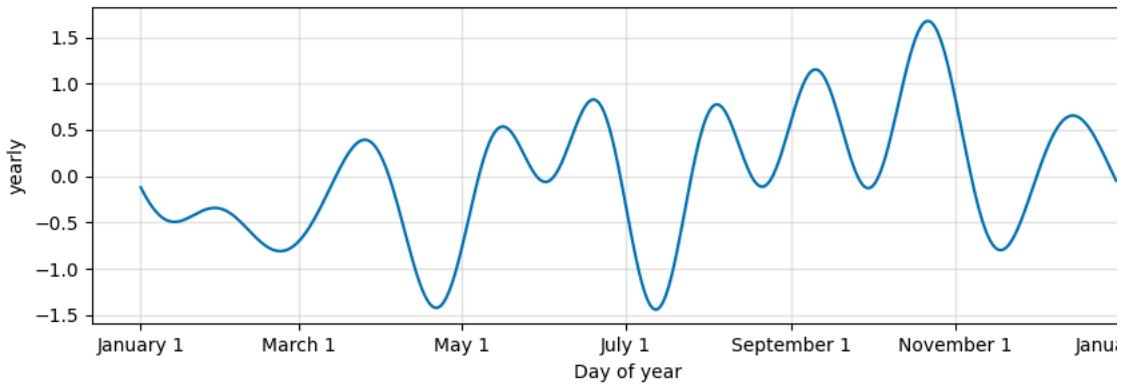
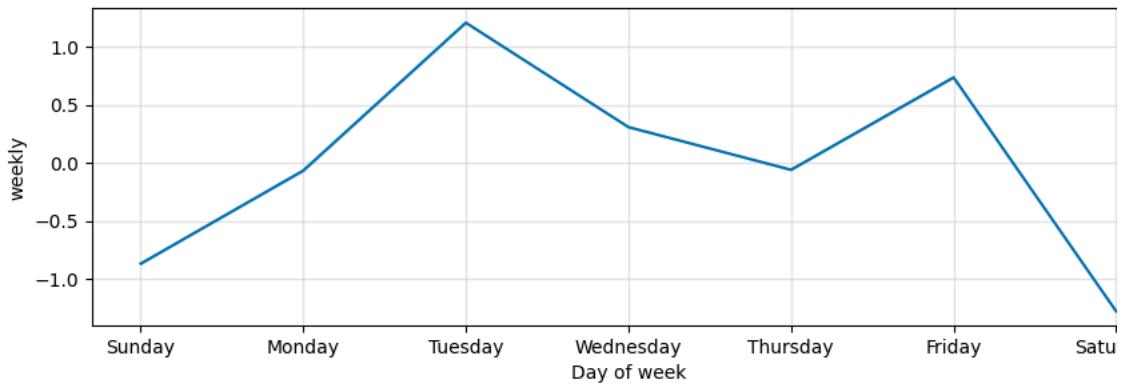
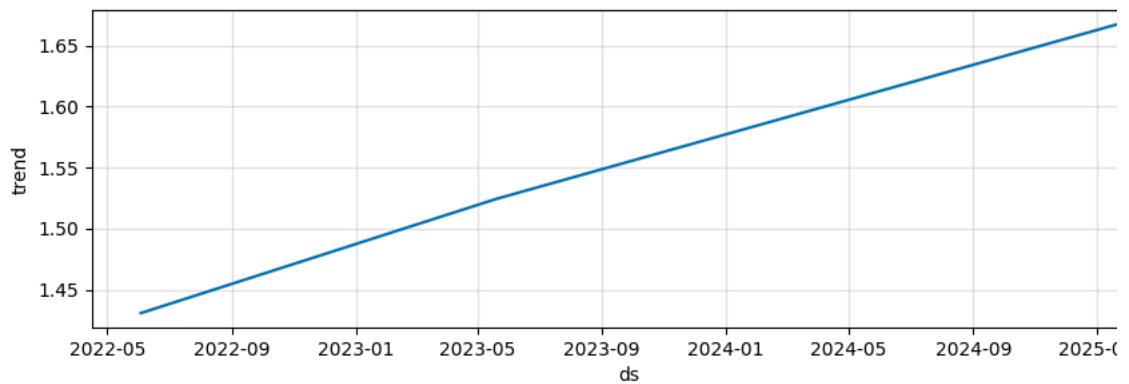
LangChainai-Langgraph

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Timeseries Forecasting of Created Issues using StatsModel based on past monthly data

Observation Graph of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

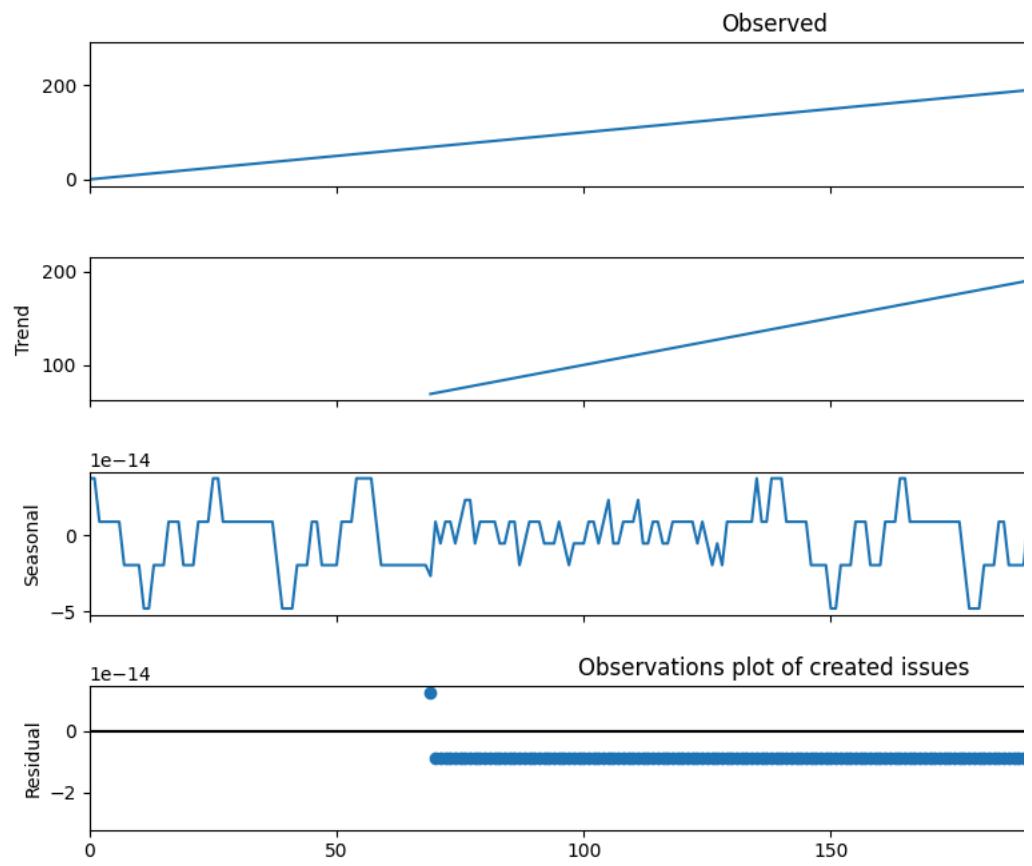
LangChainai-Langgraph

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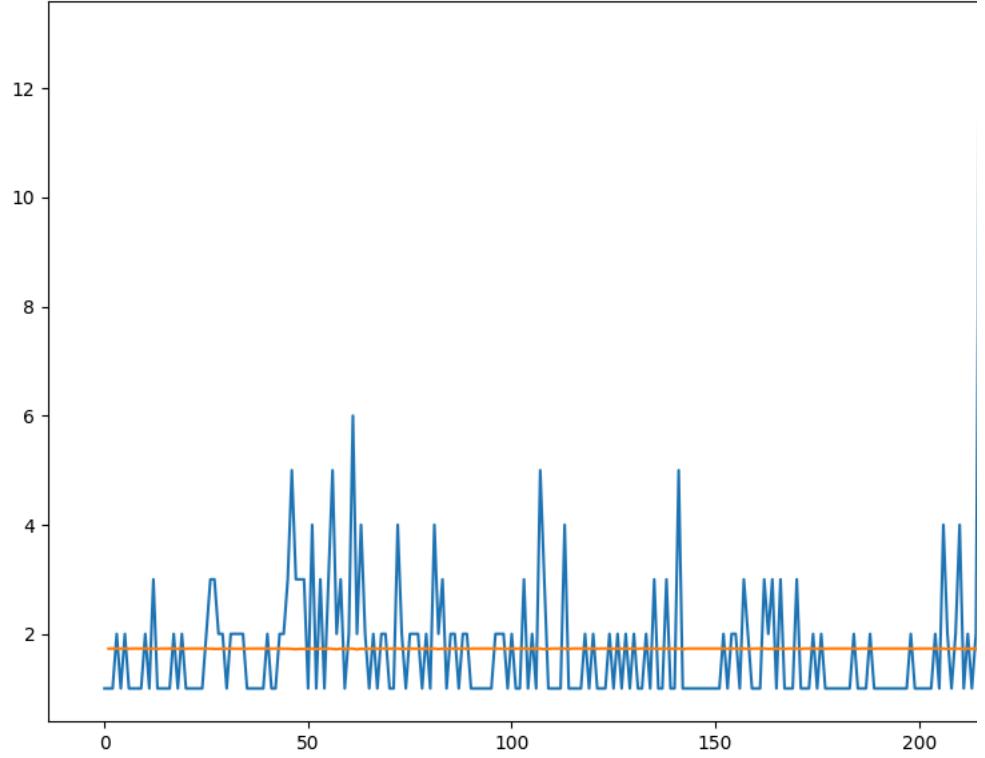
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Time Series Forecasting of Created Issues

Timeseries forecasting of created issues



Timeseries Forecasting of Closed Issues using StatsModel based on past month

Observation Graph of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

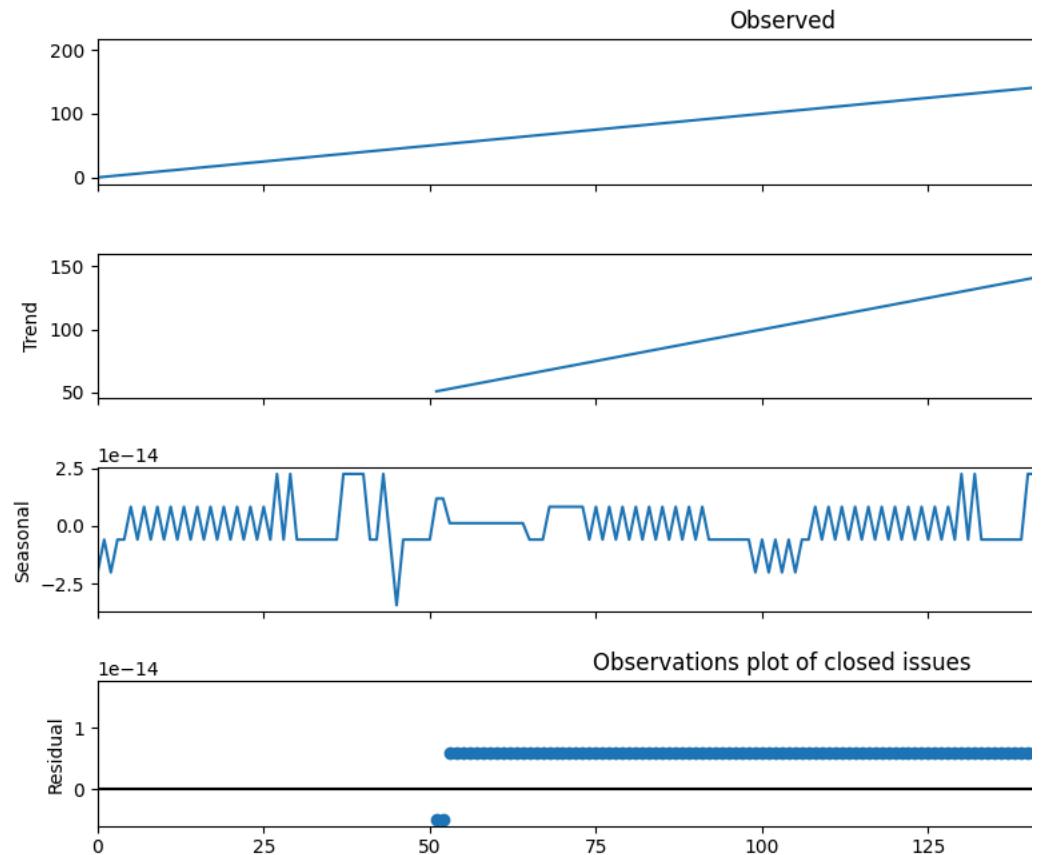
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Time Series Forecasting of Closed Issues

Timeseries forecasting of closed issues

Number of stars

Number of forks

LangChainai-Langchain

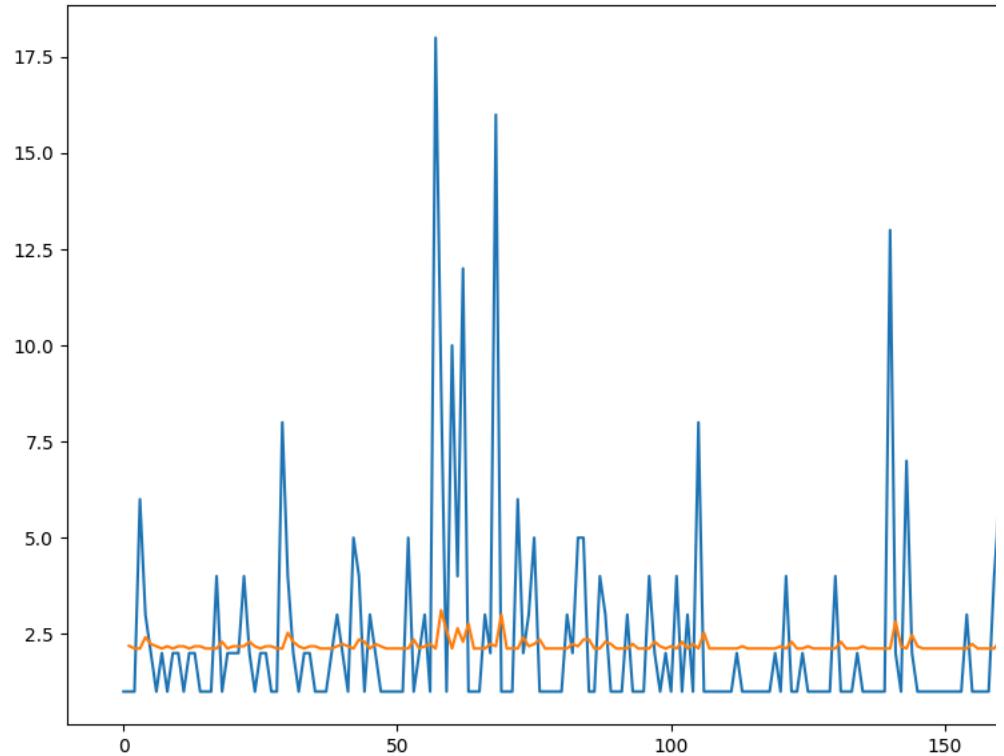
LangChainai-Langgraph

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Timeseries Forecasting of Pull Request Issues using StatsModel based on past

Observation Graph of Pull Request Issues

Number of stars

Number of forks

LangChainai-Langchain

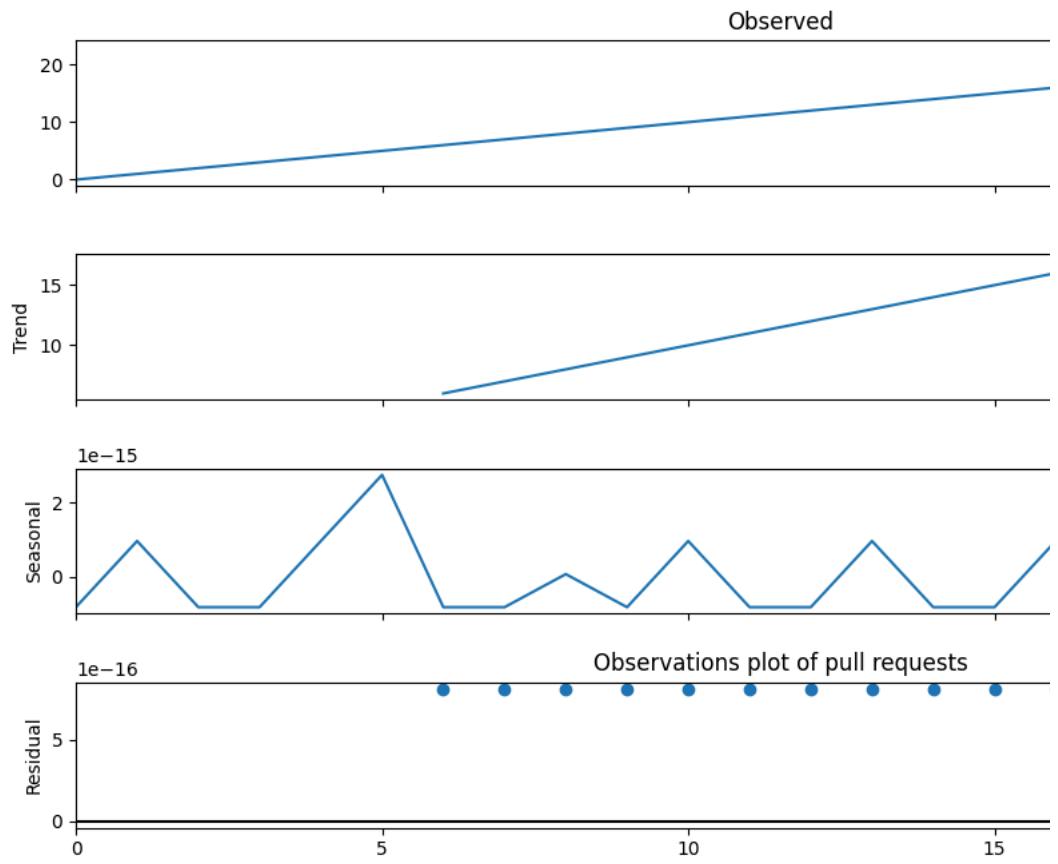
LangChainai-Langgraph

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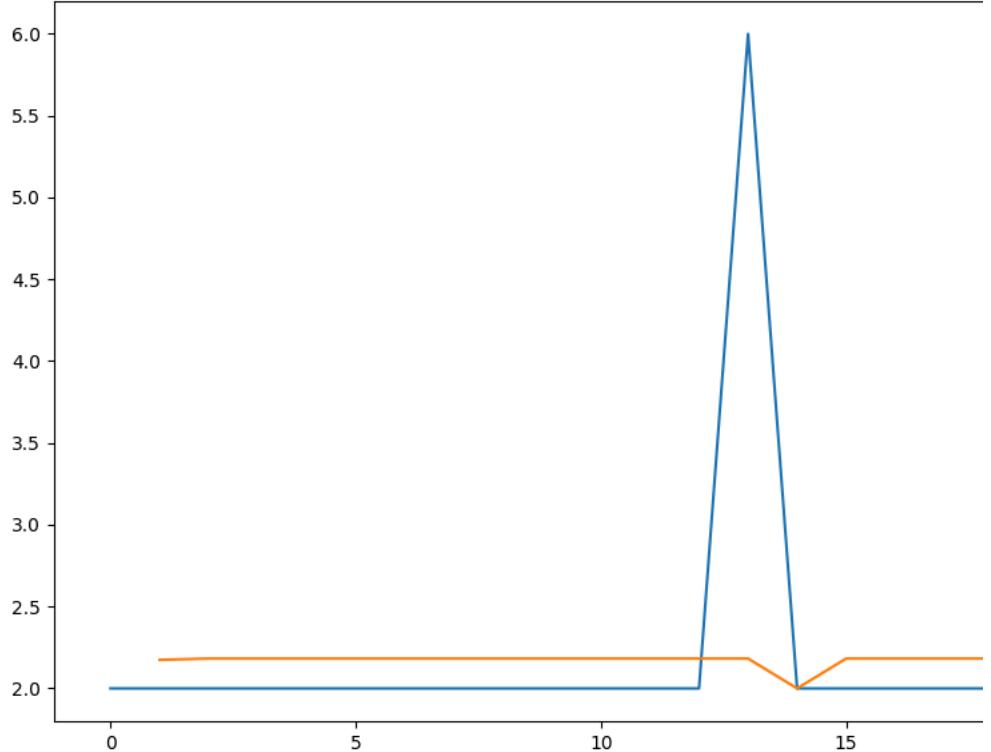
elasticsearch

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Time Series Forecasting of Pull Request Issues

Timeseries forecasting of pull requests



Timeseries Forecasting of Commits Issues using StatsModel based on past more

Observation Graph of Commits Issues

Number of stars

Number of forks

LangChainai-Langchain

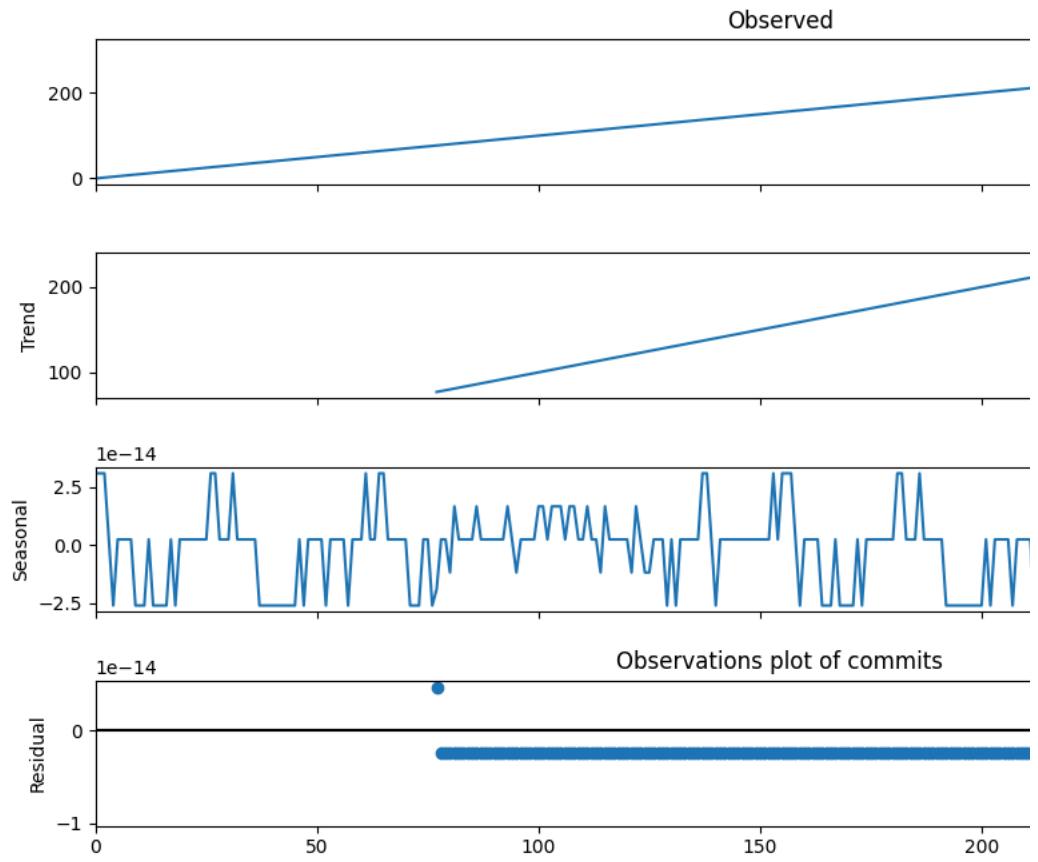
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Time Series Forecasting of Commits Issues

Timeseries forecasting of commits

Number of stars

Number of forks

LangChainai-Langchain

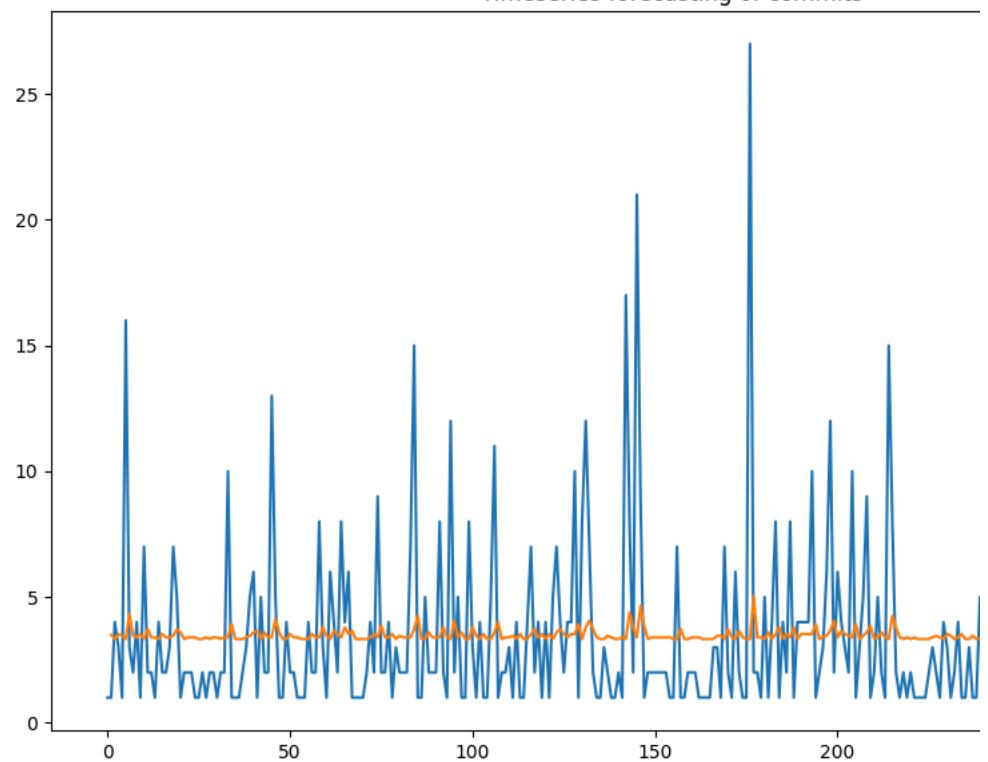
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**Timeseries Forecasting of Release using Tensorflow and Keras LSTM**

No Release Data available for the repository

Timeseries Forecasting of Release using StatsModel

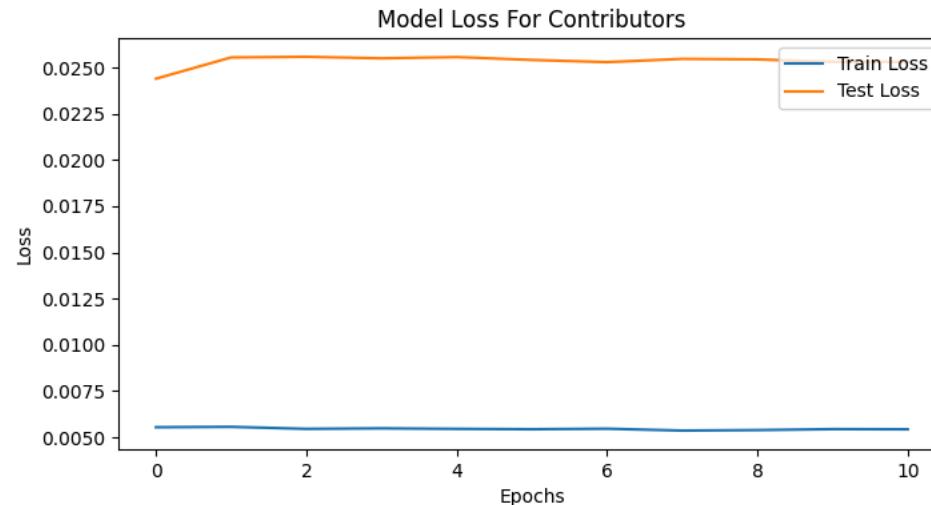
No Release Data available for the repository

Timeseries Forecasting of Release using Facebook/Prophet

No Release Data available for the repository

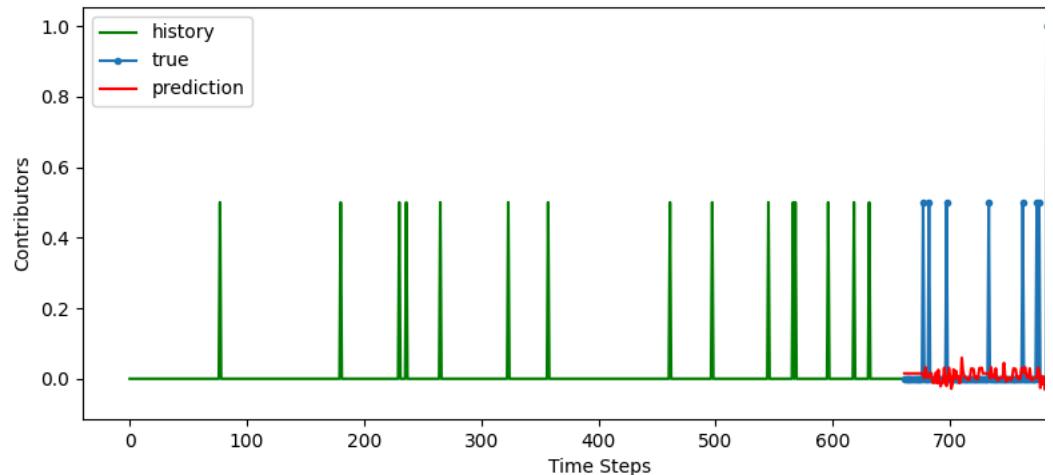
Timeseries Forecasting of Contributors using Tensorflow and Keras LSTM

Model Loss for Contributors



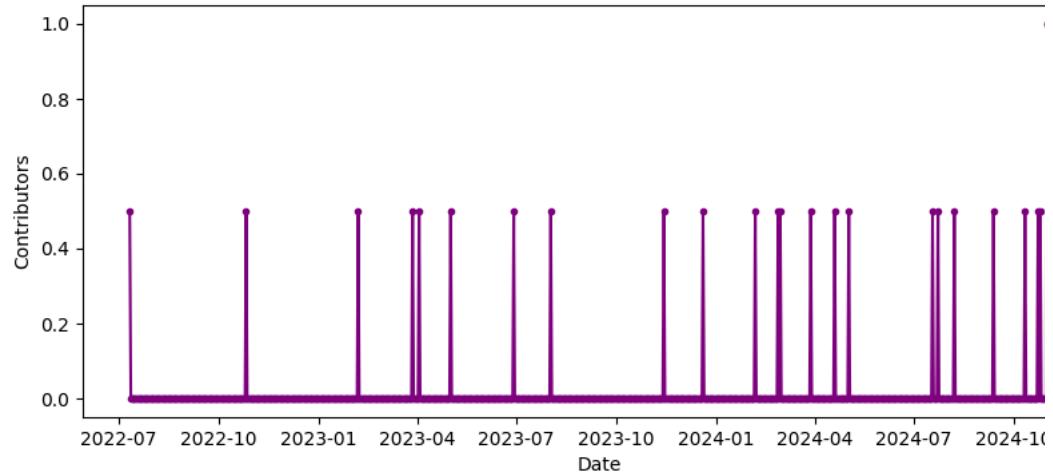
LSTM Generated Data for Contributors

LSTM Generated Data For Contributors



All Issues Data for Contributors

All Contributors Data



Timeseries Forecasting of Contributors using StatsModel

Observation Graph of Contributors

Number of stars

Number of forks

LangChainai-Langchain

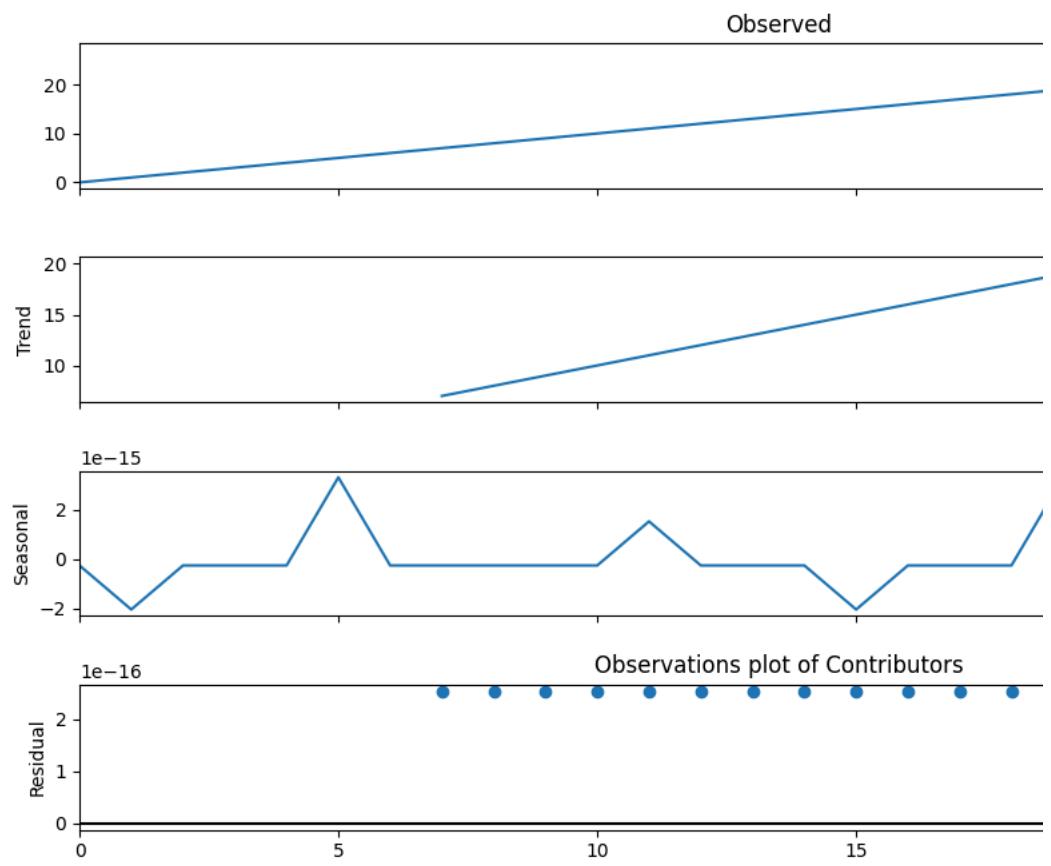
LangChainai-Langgraph

Microsoft-Autogen

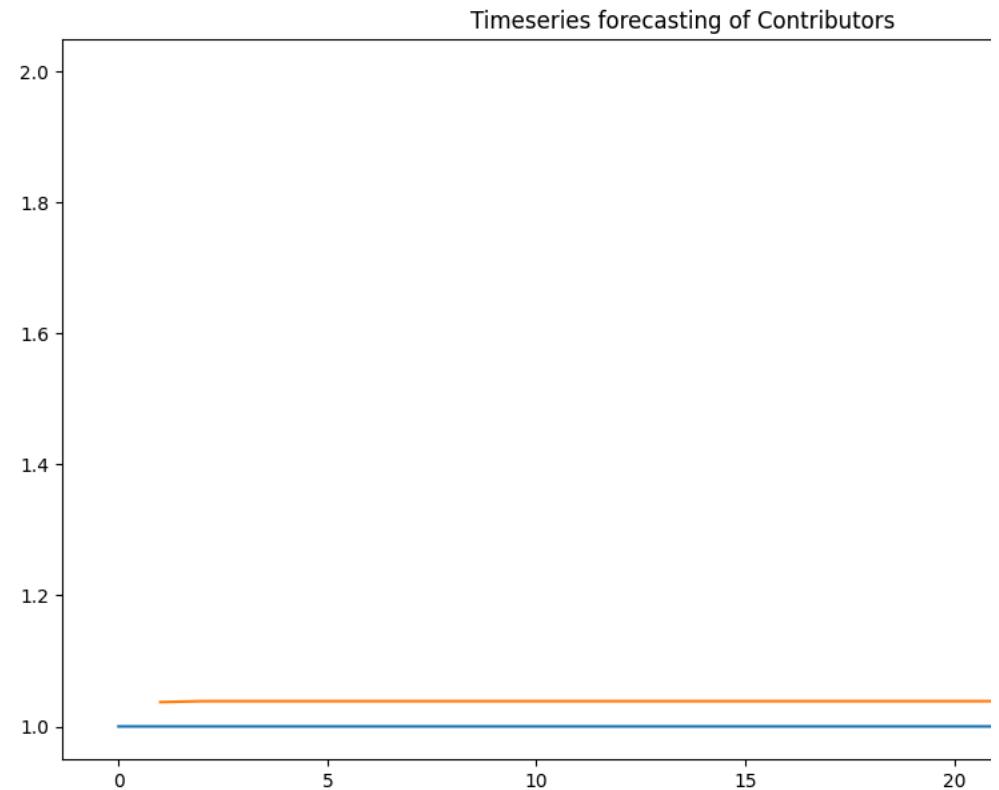
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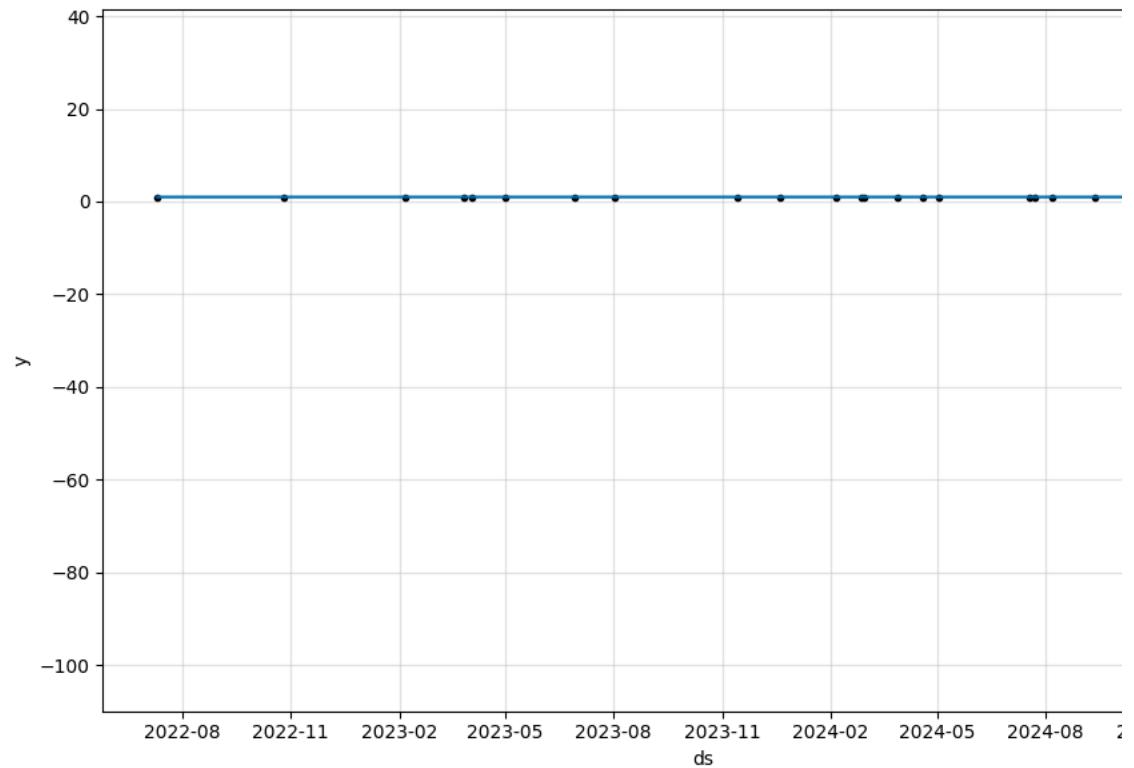


Time Series Forecasting of Contributors



Timeseries Forecasting of Contributors using Facebook/Prophet

Forecast of Contributors



Forecast Components of Contributors

Number of stars

Number of forks

LangChainai-Langchain

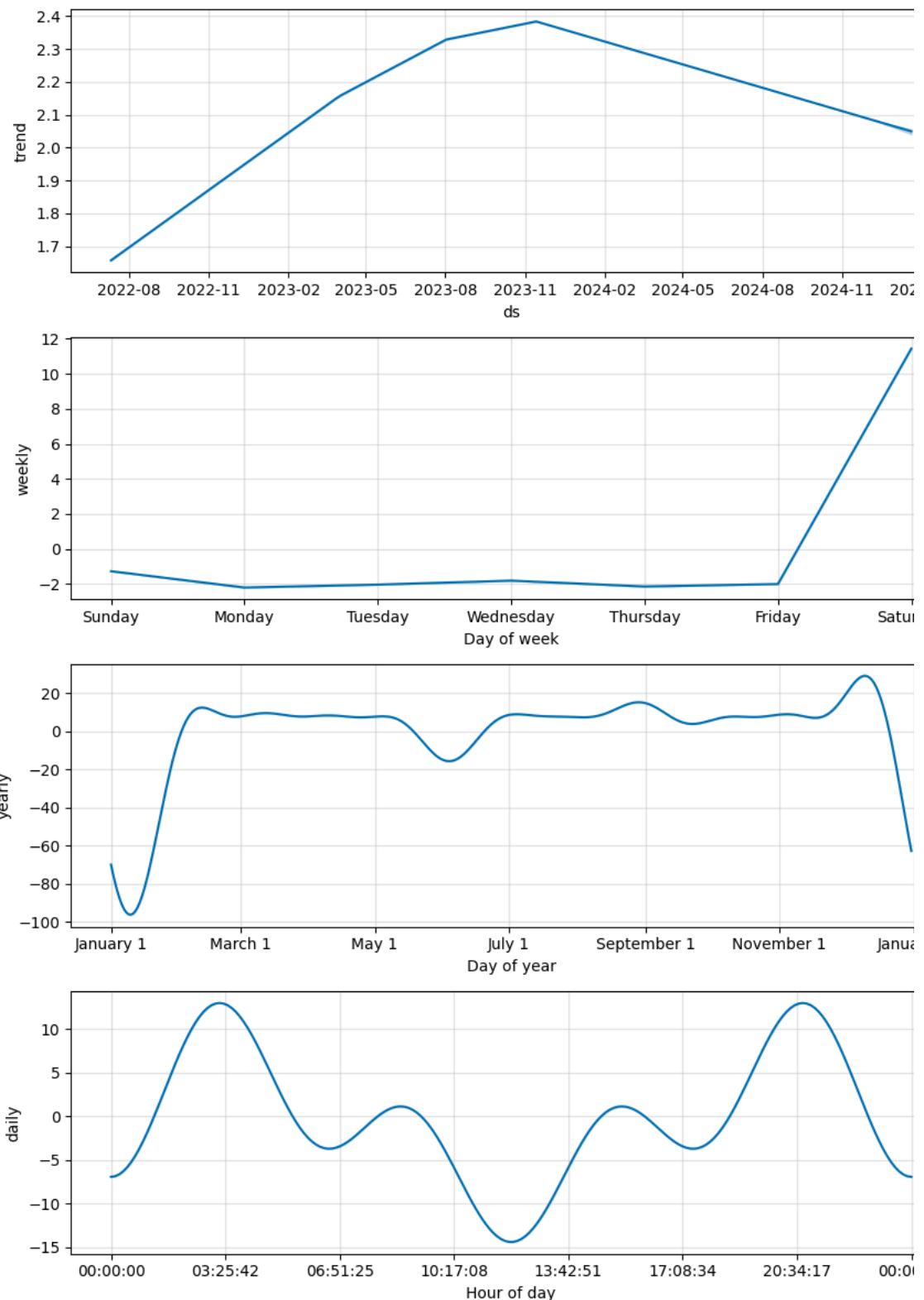
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Timeseries Forecasting of Branches using Tensorflow and Keras LSTM

Model Loss for Branches

Number of stars

Number of forks

LangChainai-Langchain

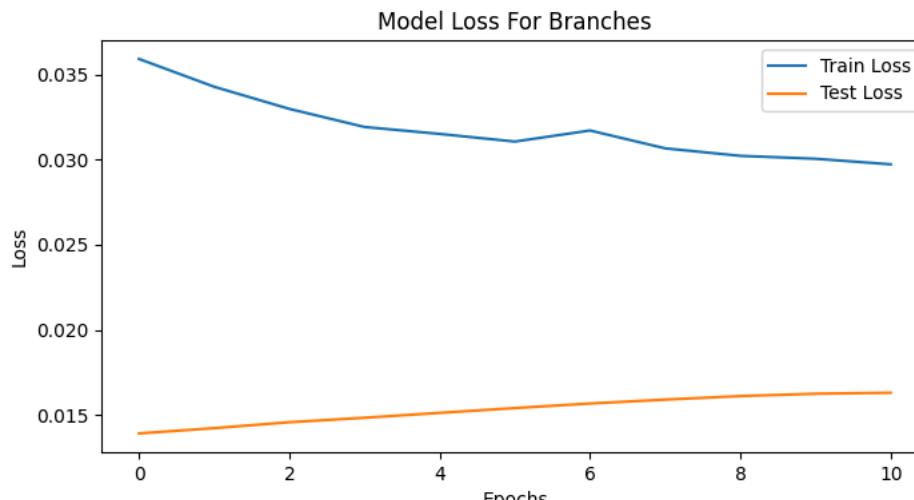
LangChainai-Langgraph

Microsoft-Autogen

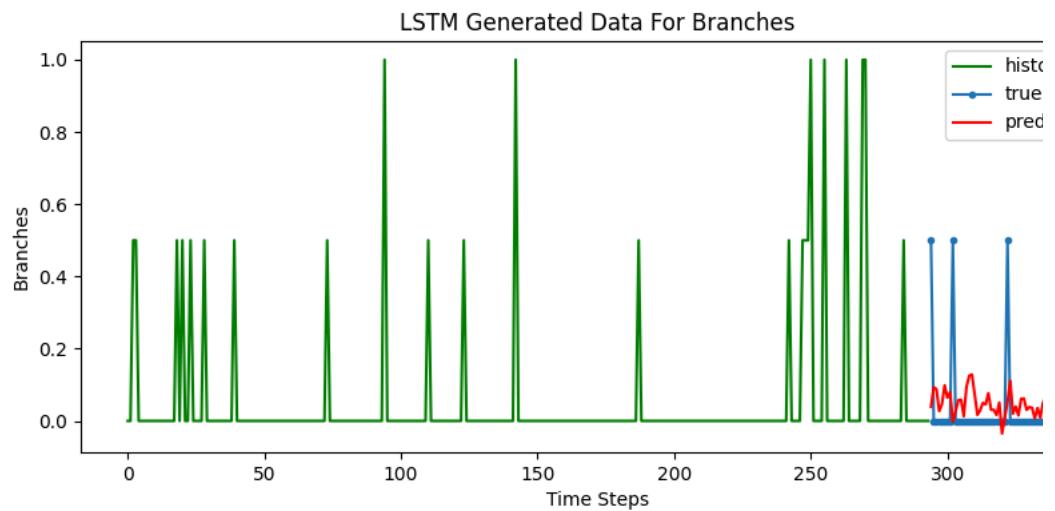
Openai-Cookbook

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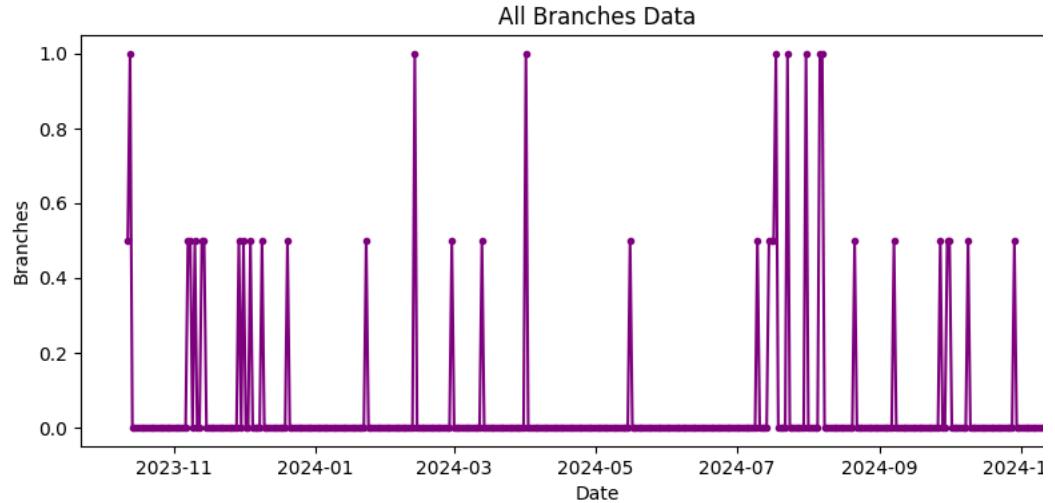
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LSTM Generated Data for Branches



All Issues Data for Branches

**Timeseries Forecasting of Branches using StatsModel**

Observation Graph of Branches

Number of stars

Number of forks

LangChainai-Langchain

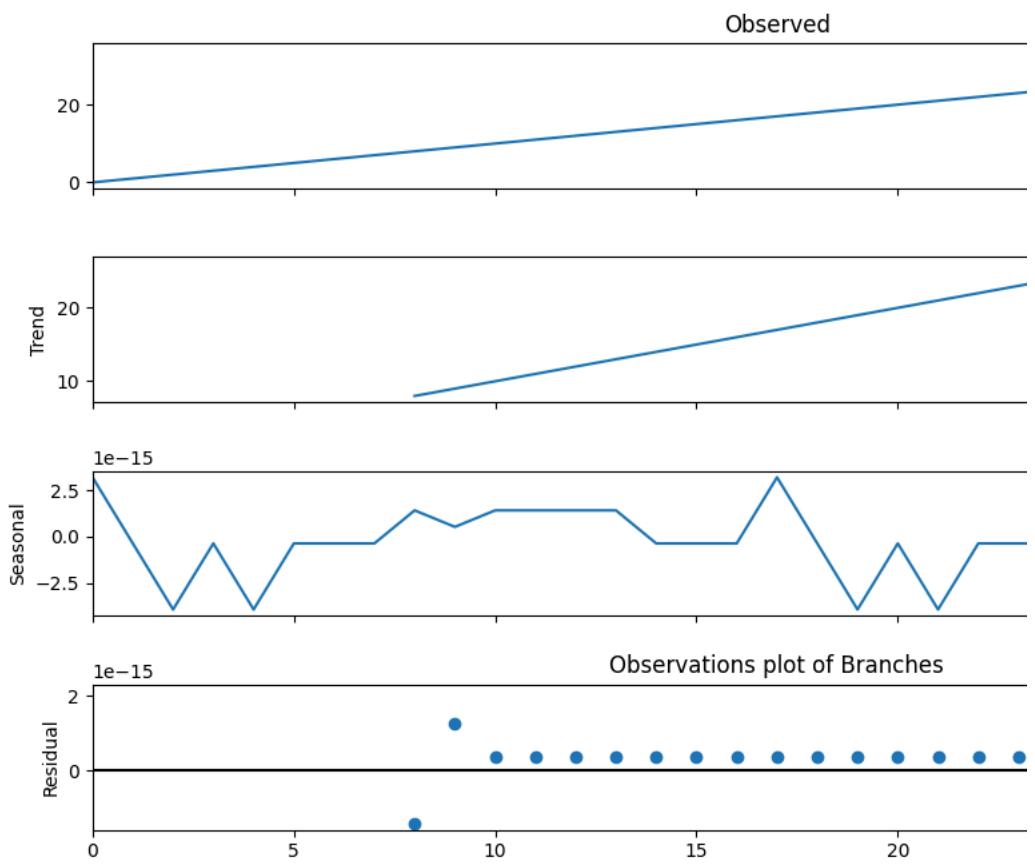
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Microsoft-Autogen

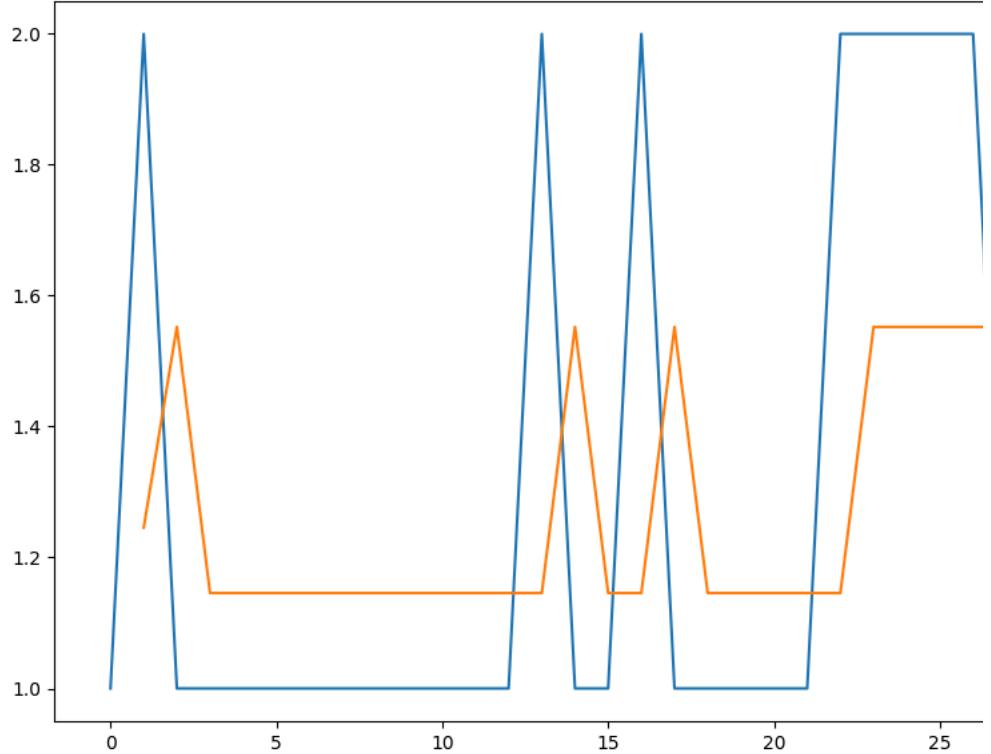
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Timeseries forecasting of Branches



Timeseries Forecasting of Branches using Facebook/Prophet

Forecast of Branches

Number of stars

Number of forks

LangChainai-Langchain

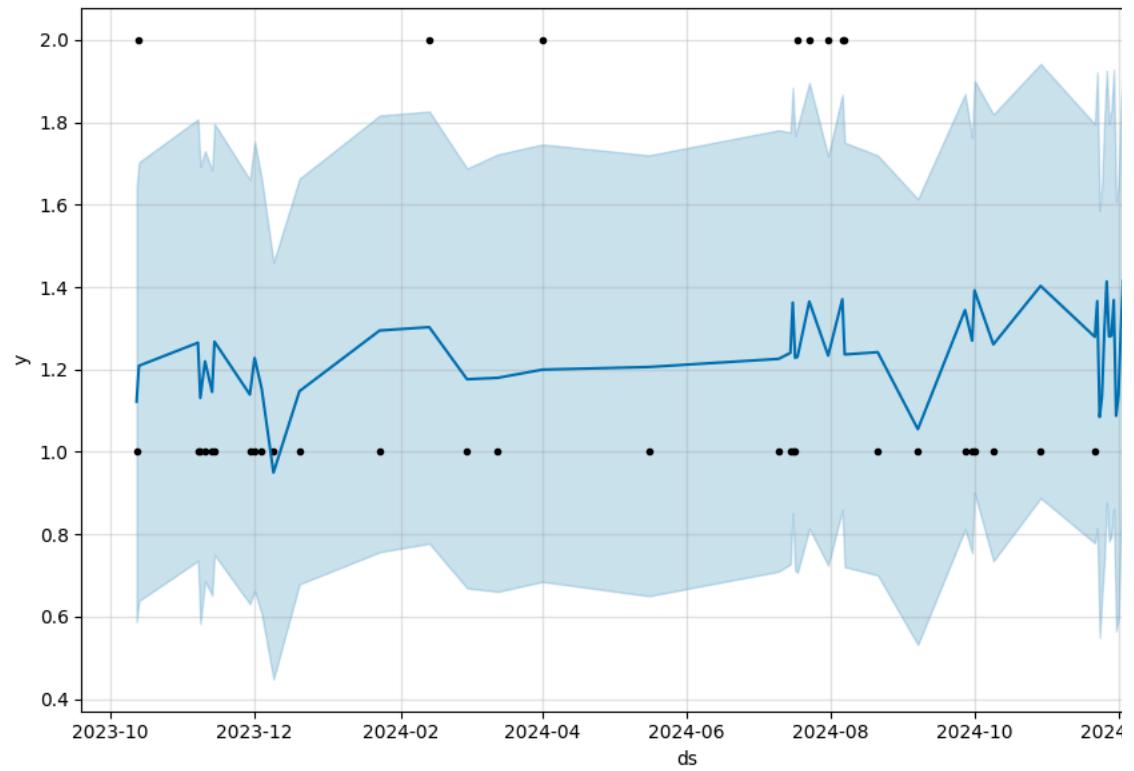
LangChainai-Langgraph

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Forecast Components of Branches

Number of stars

Number of forks

LangChainai-Langchain

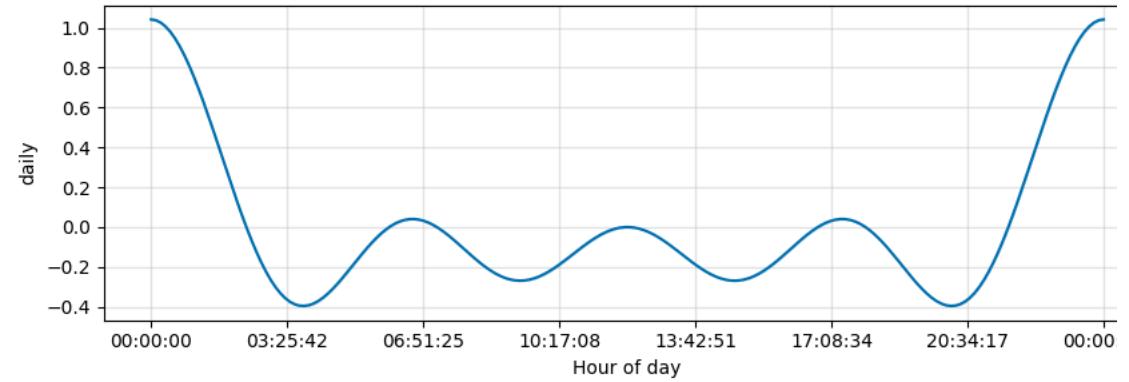
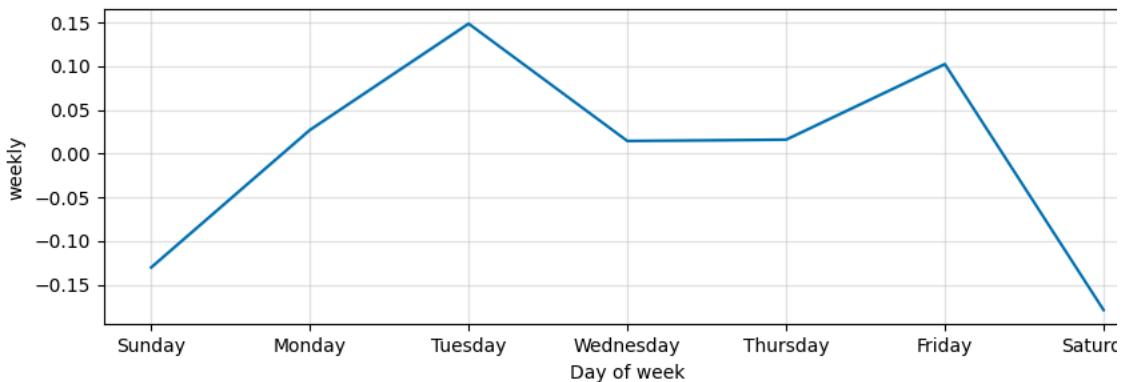
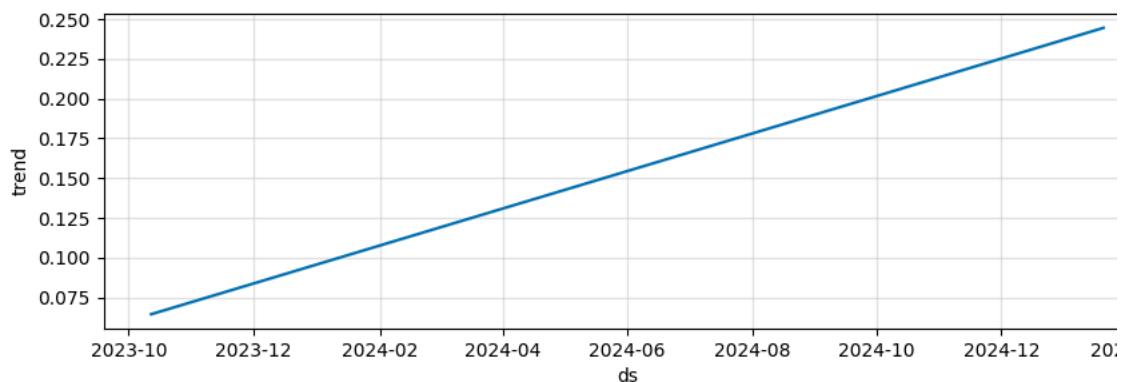
LangChainai-Langgraph

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Timeseries Forecasting by Nency patel - Assignment 5 Part 1

Number of stars

Number of forks

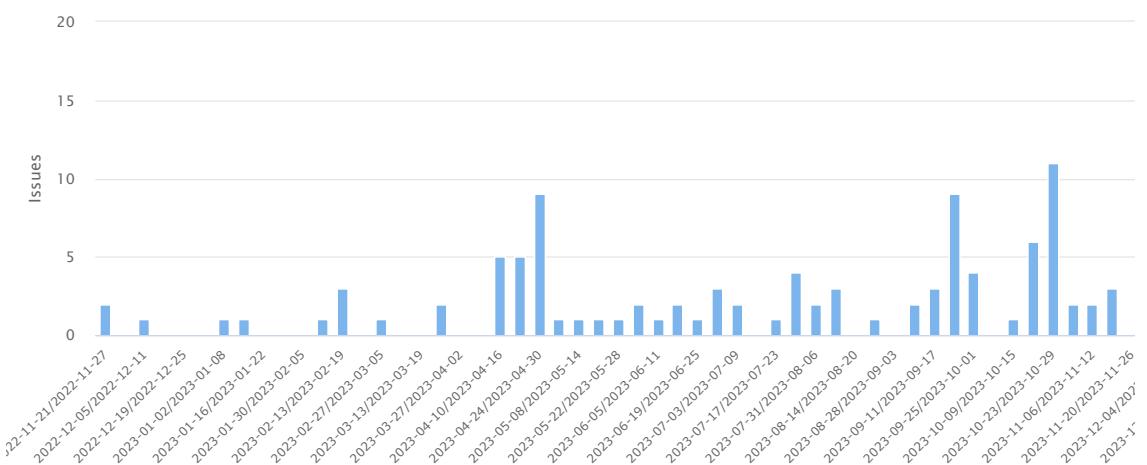
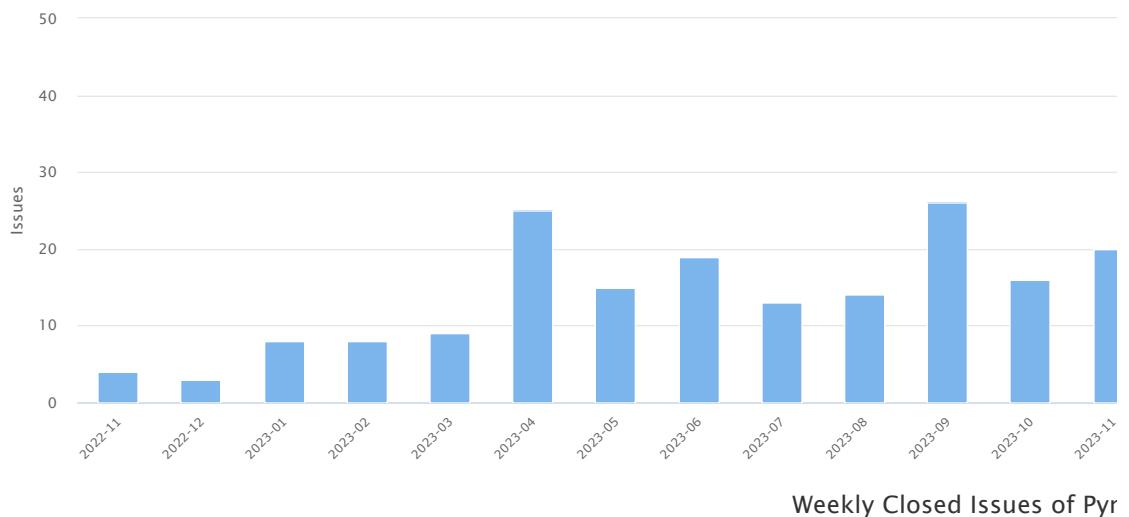
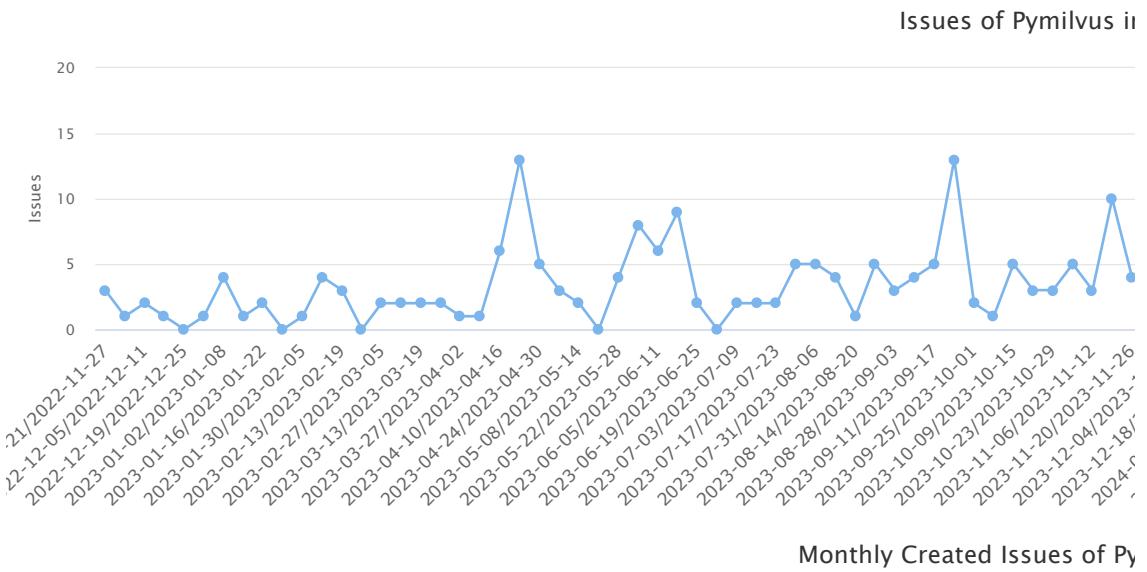
LangChainai-Langchain

LangChainai-Langgraph

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Number of stars

Number of forks

LangChainai-Langchain

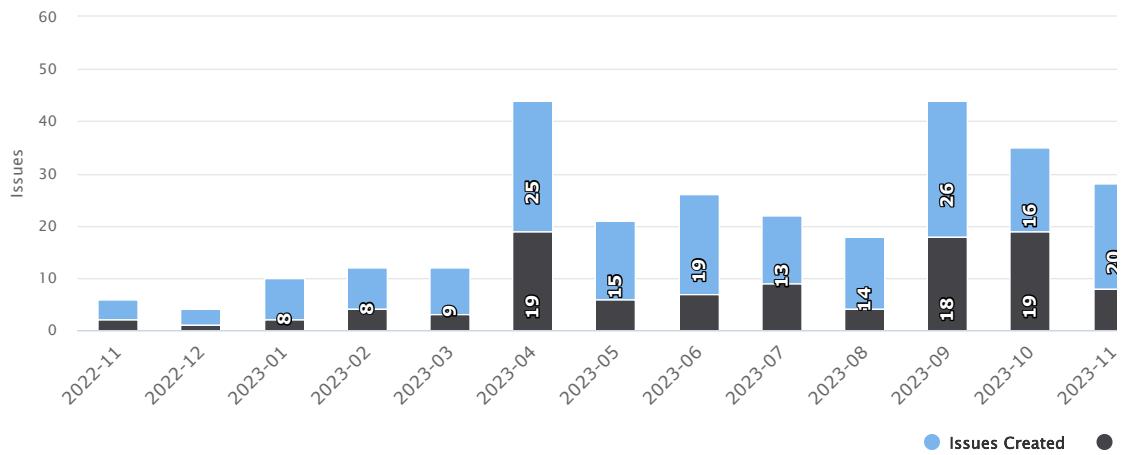
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Microsoft-Autogen

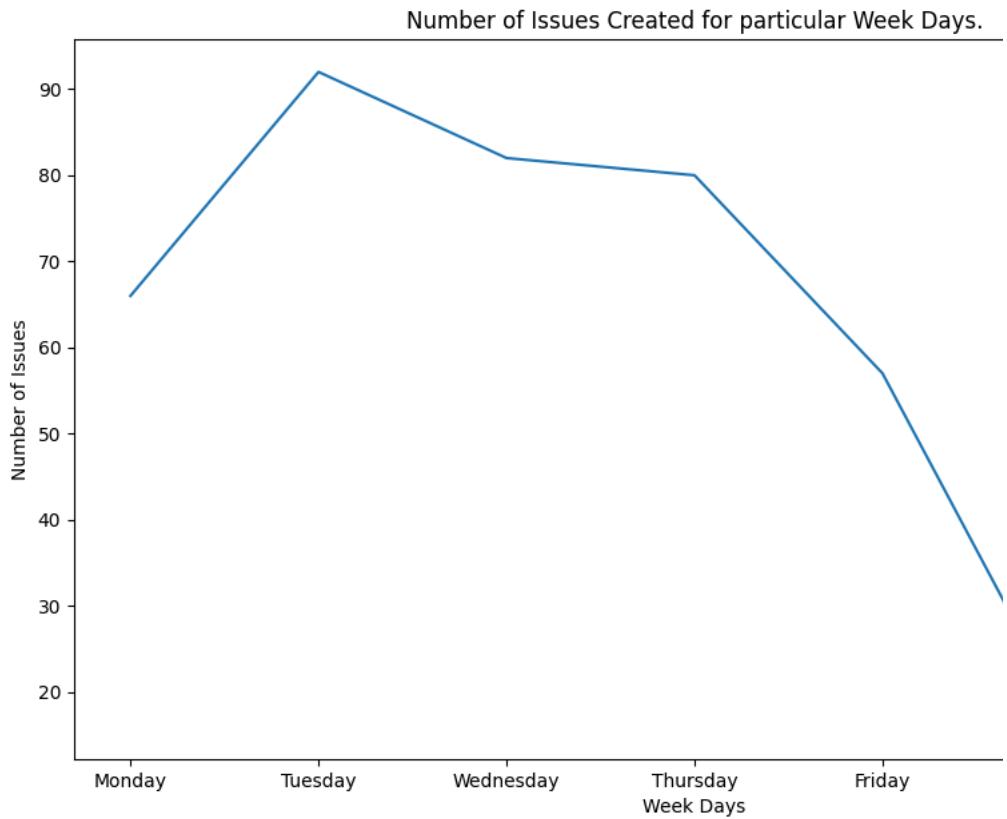
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The day of the week maximum number of issues created



The day of the week maximum number of issues Closed

Number of stars

Number of forks

LangChainai-Langchain

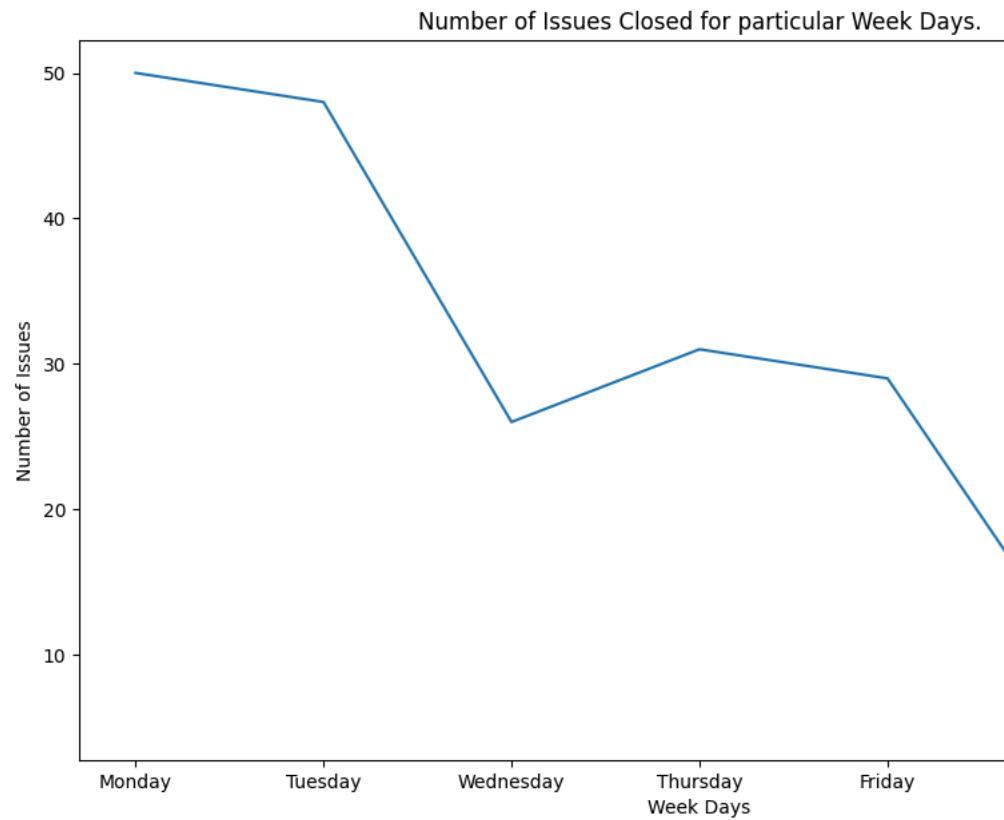
LangChainai-Langgraph

Microsoft-Autogen

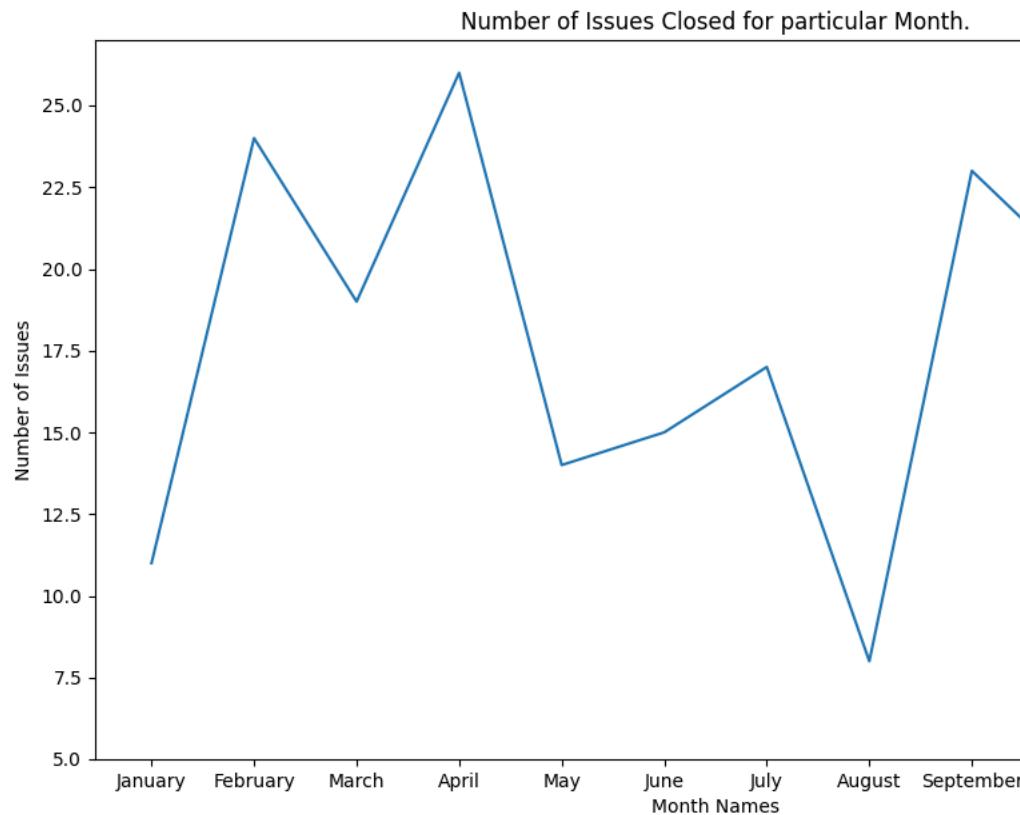
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The month of the year that has maximum number of issues closed



Timeseries Forecasting of Created Issues using Tensorflow and Keras LSTM ba

Model Loss for Created Issues

Number of stars

Number of forks

LangChainai-Langchain

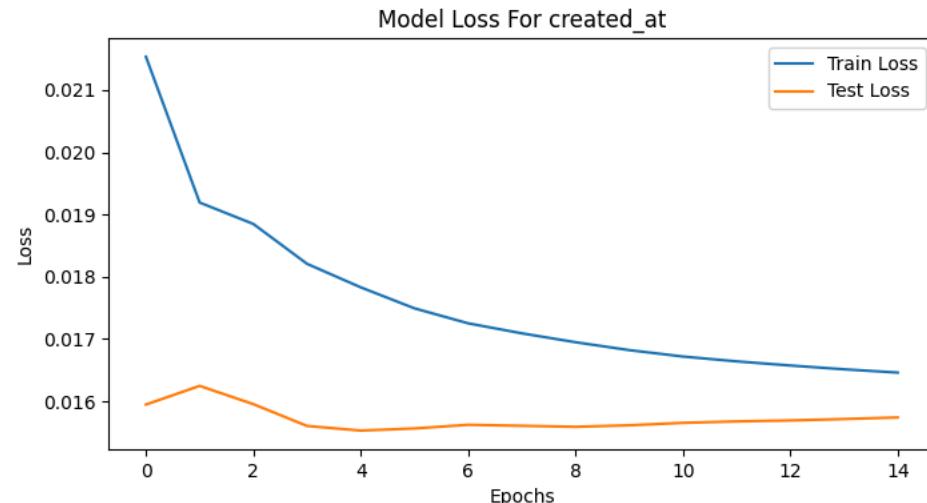
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Microsoft-Autogen

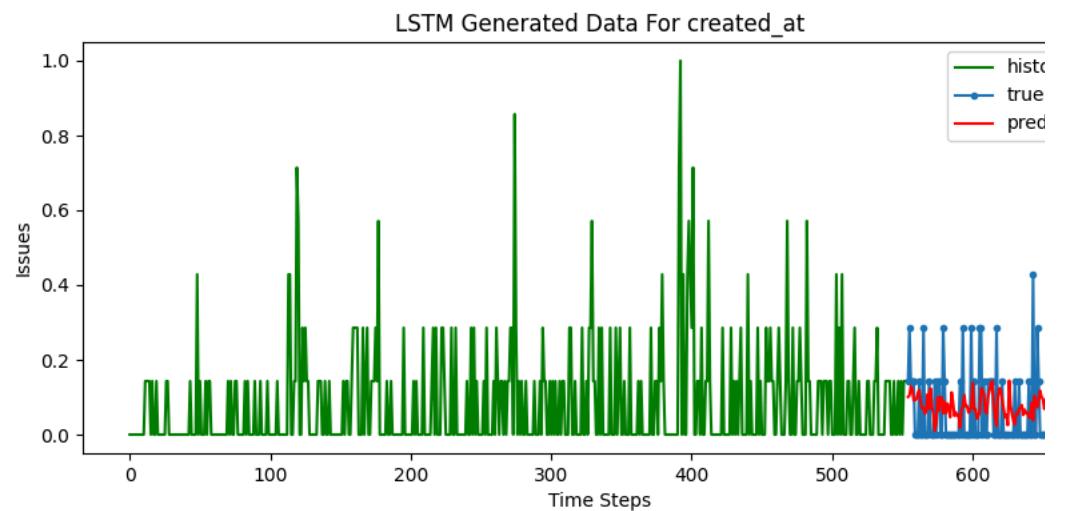
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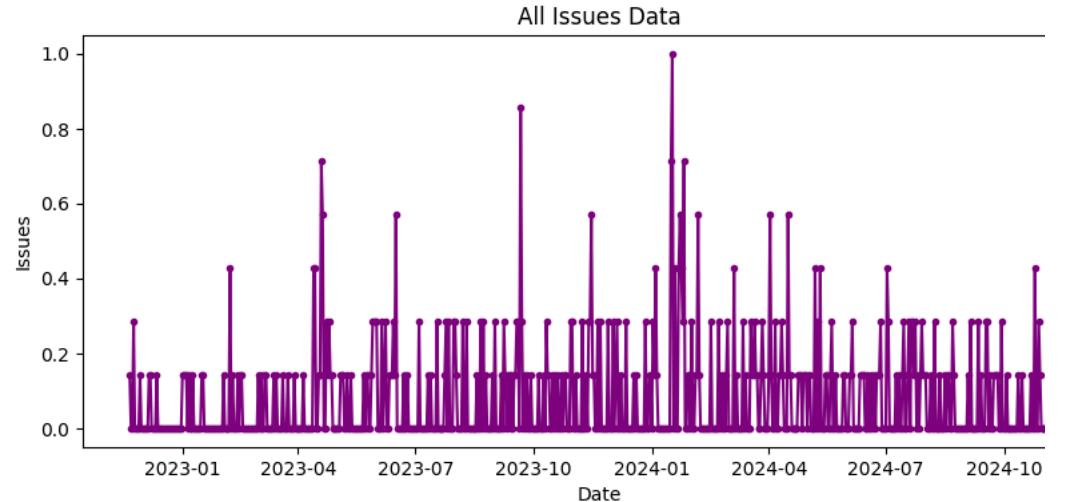
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LSTM Generated Data for Created Issues



All Issues Data for Created Issues



Timeseries Forecasting of Closed Issues using Tensorflow and Keras LSTM bas

Model Loss for Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

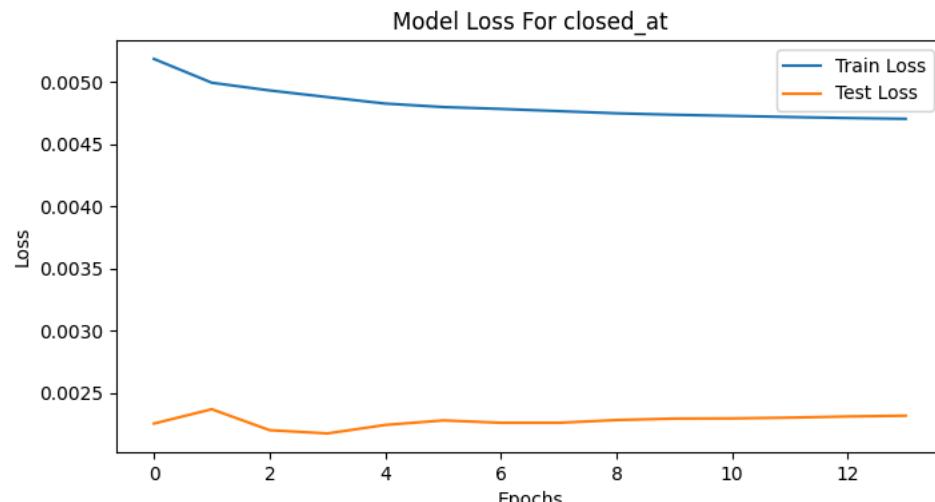
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Microsoft-Autogen

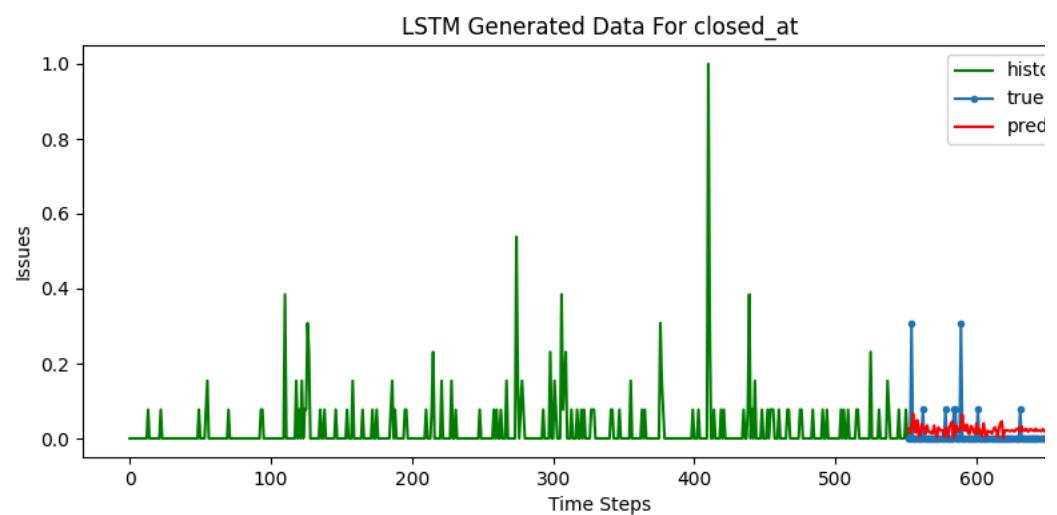
Openai-Cookbook

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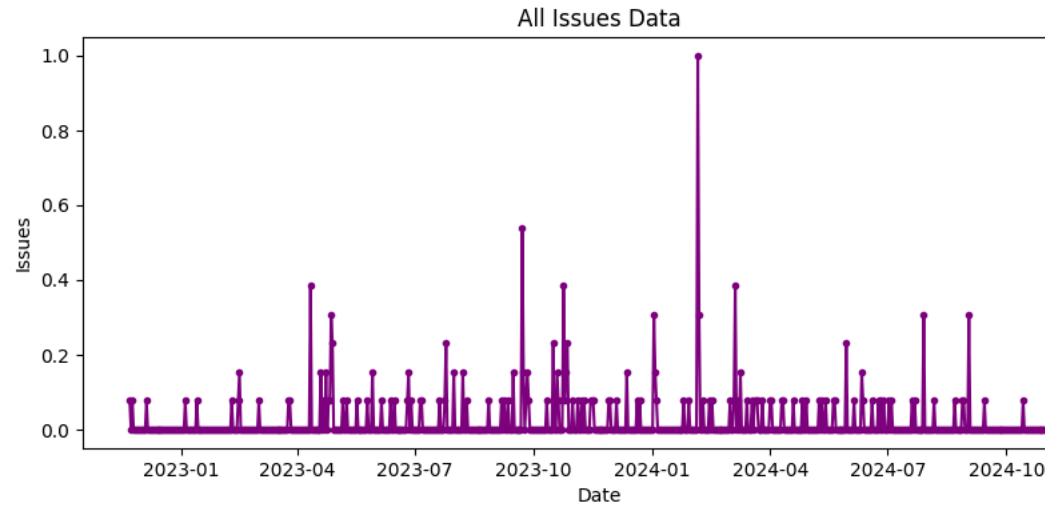
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LSTM Generated Data for Closed Issues



All Issues Data for Closed Issues



Timeseries Forecasting of Pull Requests using Tensorflow and Keras LSTM bas

Model Loss for Pull Requests

Number of stars

Number of forks

LangChainai-Langchain

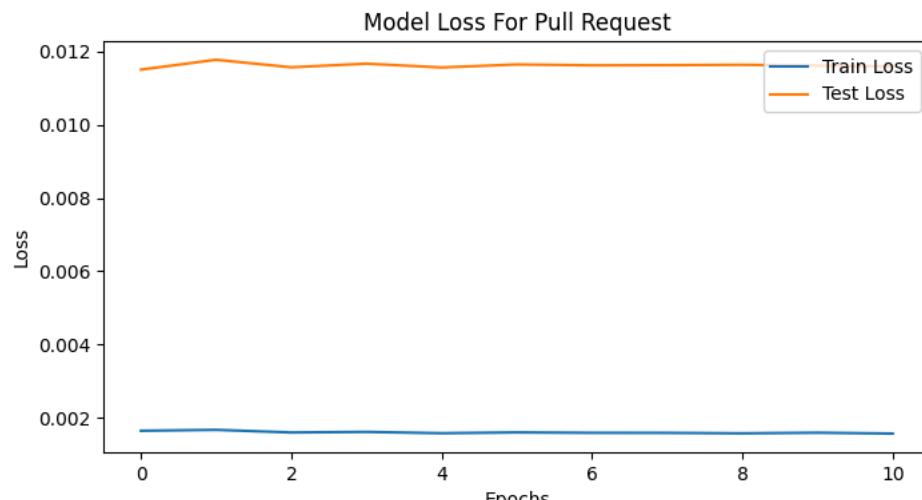
LangChainai-Langgraph

Microsoft-Autogen

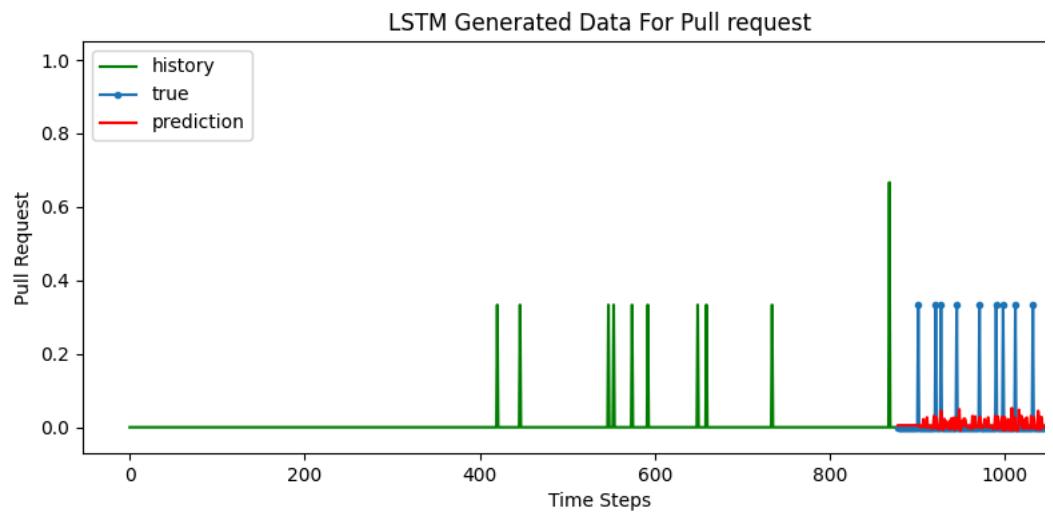
Openai-Cookbook

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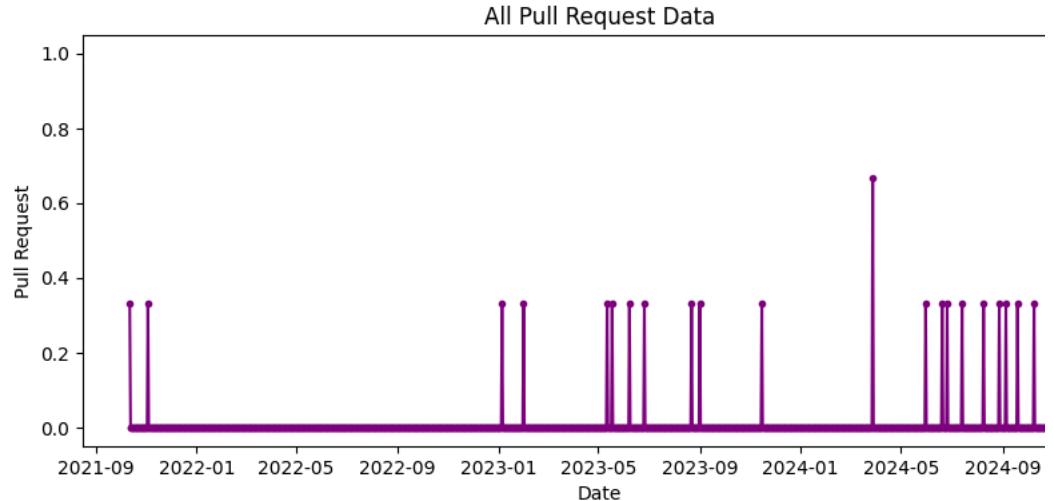
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LSTM Generated Data for Pull Requests



All Issues Data for Pull Requests



Timeseries Forecasting of Commits using Tensorflow and Keras LSTM based or
Model Loss for Commits

Number of stars

Number of forks

LangChainai-Langchain

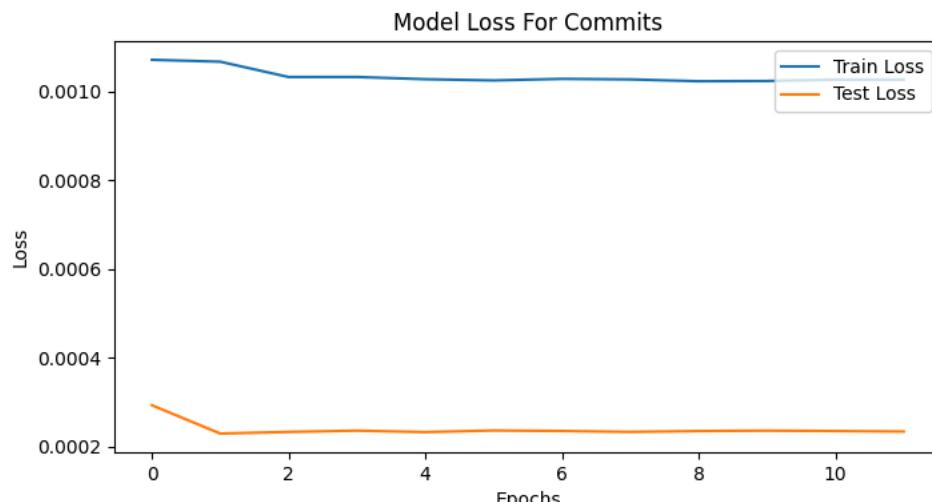
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Microsoft-Autogen

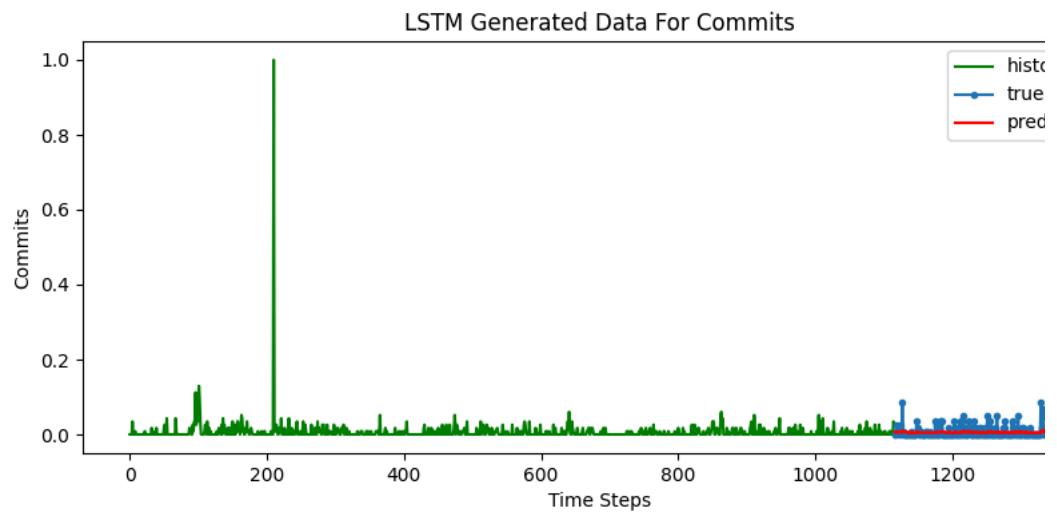
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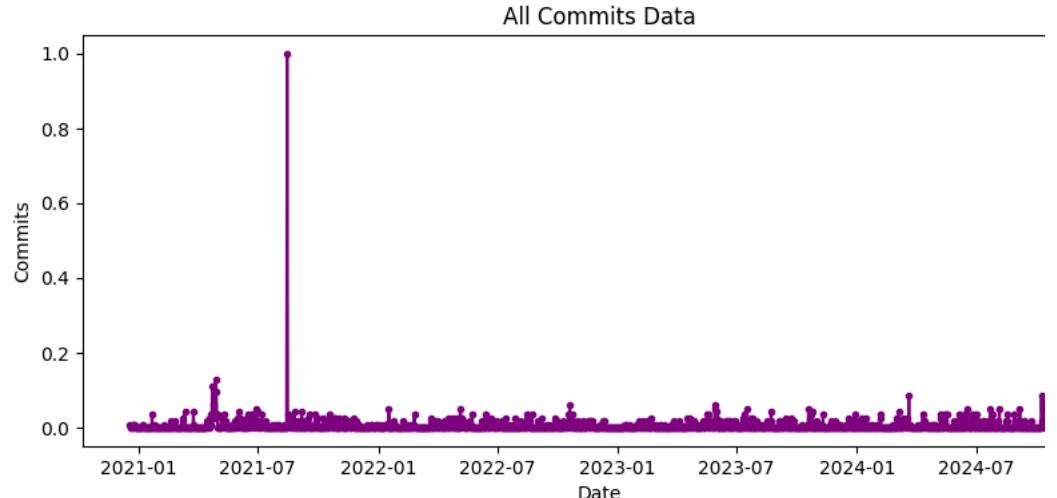
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LSTM Generated Data for Commits



All Issues Data for Commits



Timeseries Forecasting of Created Issues using Facebook/Prophet based on past
Forecast of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

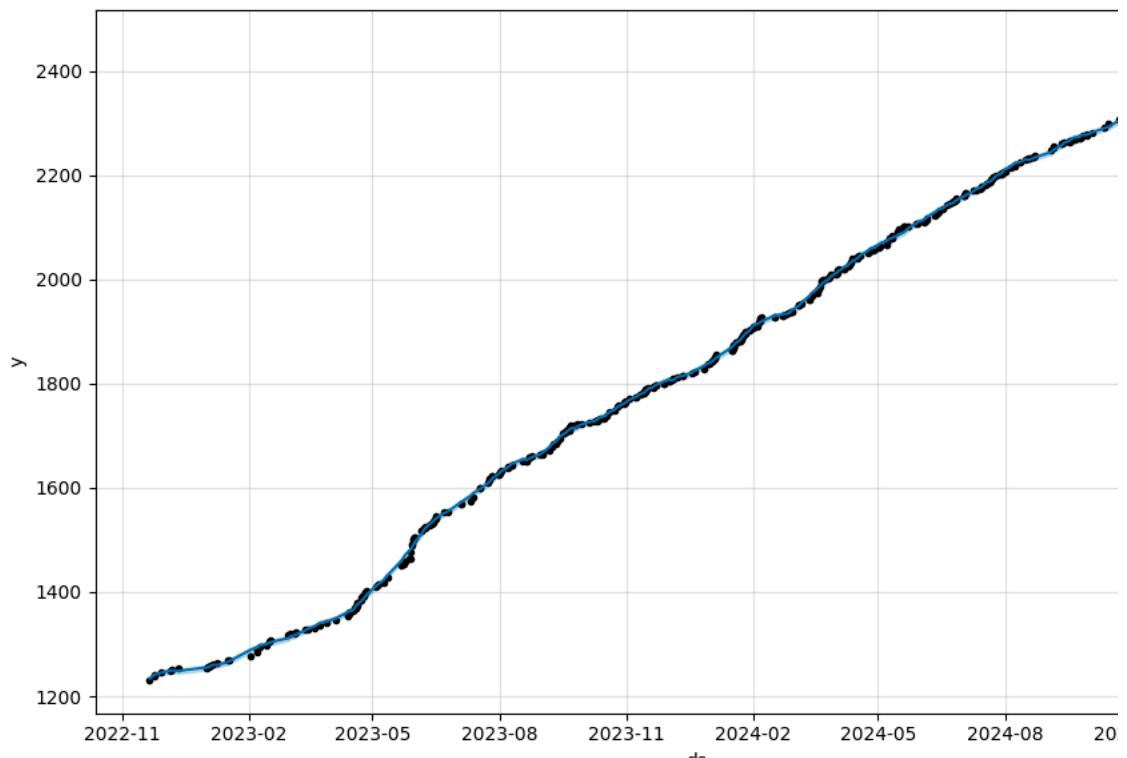
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Forecast Components of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

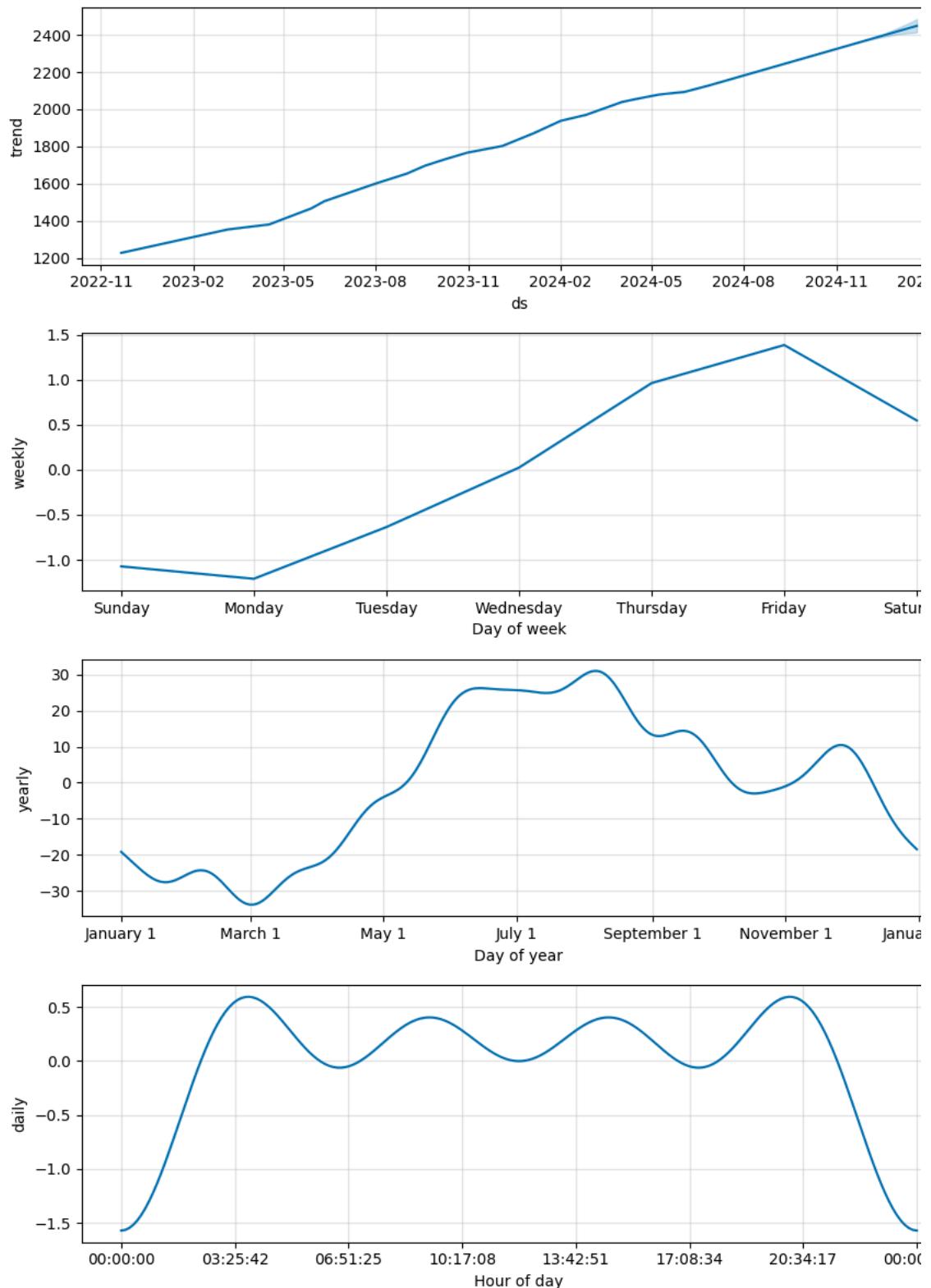
LangChainai-Langgraph

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Timeseries Forecasting of Closed Issues using Facebook/Prophet based on past
Forecast of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

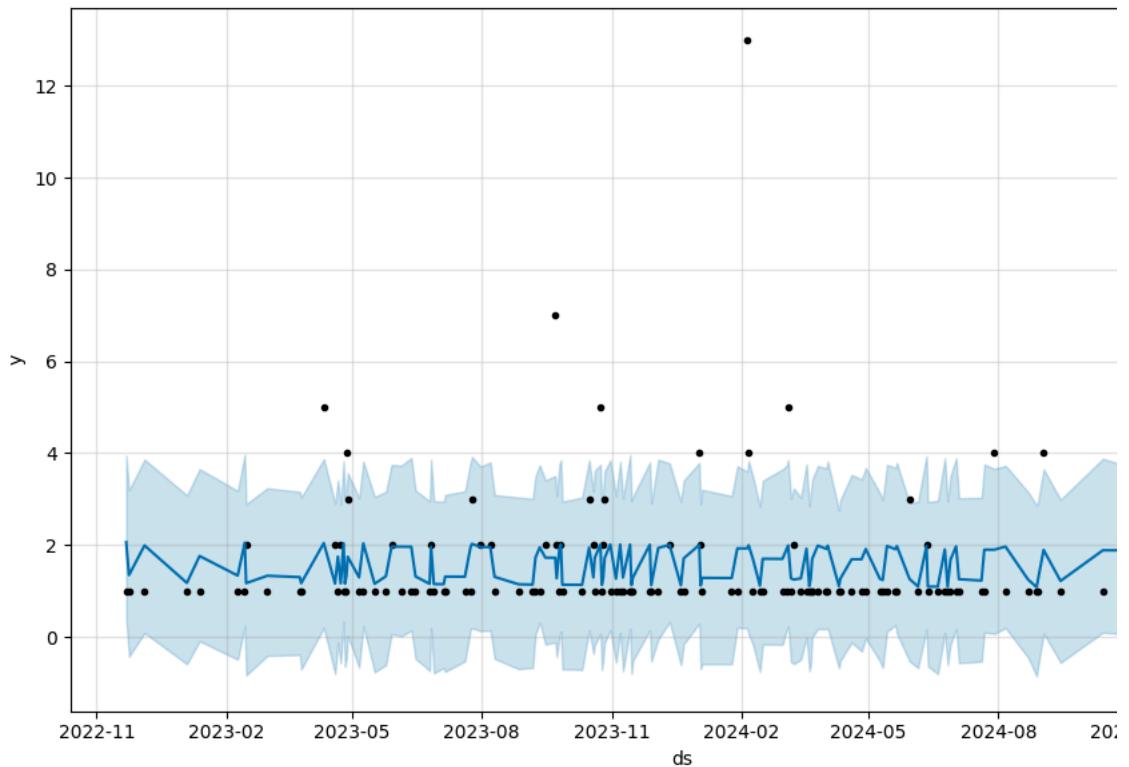
LangChainai-Langgraph

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Forecast Components of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

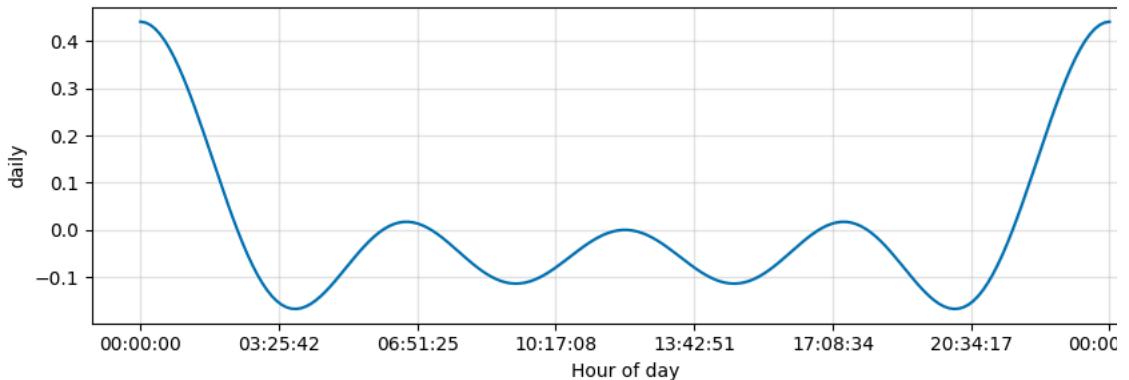
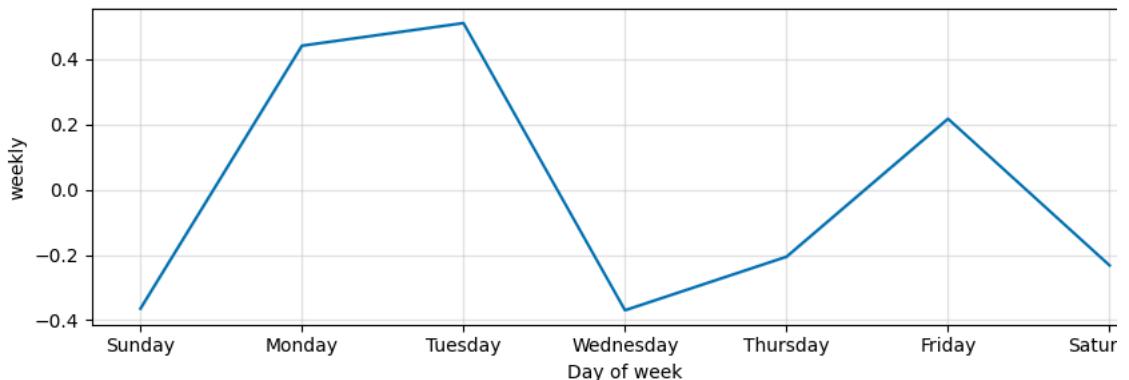
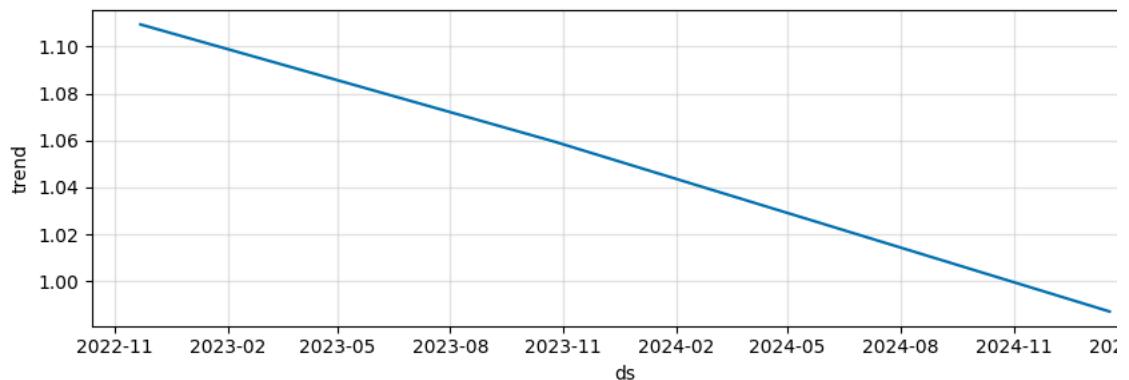
LangChainai-Langgraph

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Openai-Cookbook

elasticsearch

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Timeseries Forecasting of Pull Request using Facebook/Prophet based on past

Forecast of Pull Request



Forecast Components of Pull Request



Timeseries Forecasting of Commits using Facebook/Prophet based on past mor

Forecast of Commits

Number of stars

Number of forks

LangChainai-Langchain

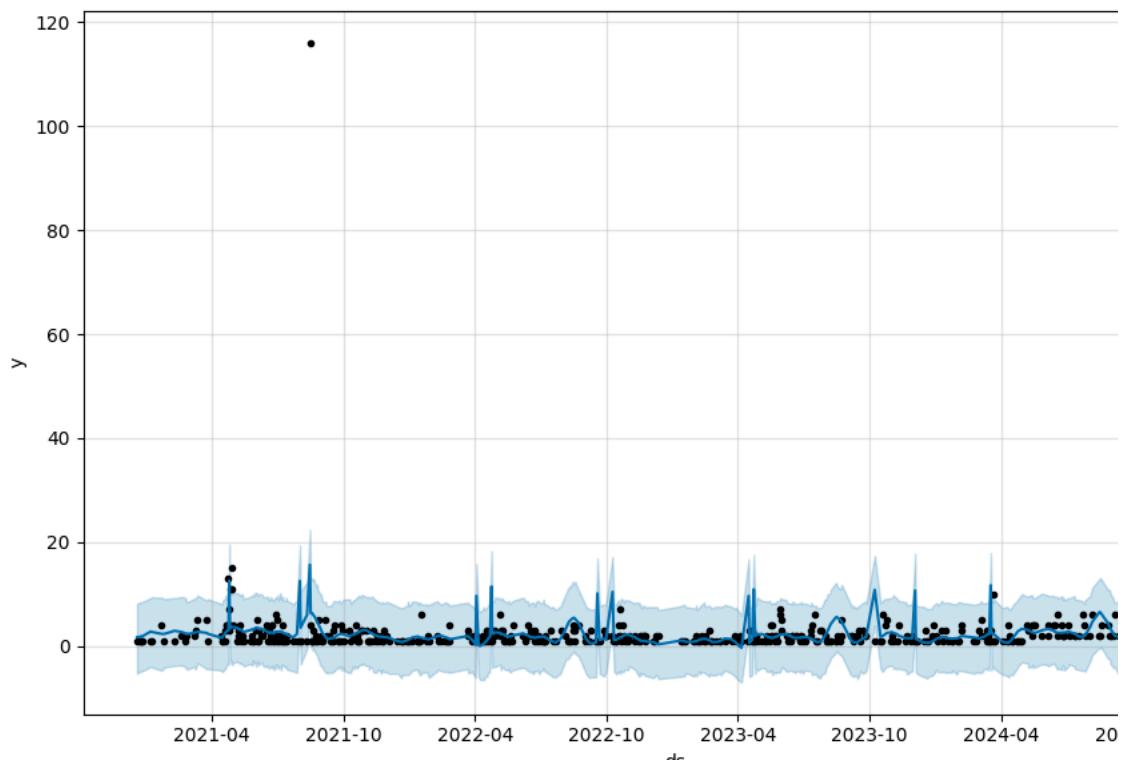
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Forecast Components of Commits

Number of stars

Number of forks

LangChainai-Langchain

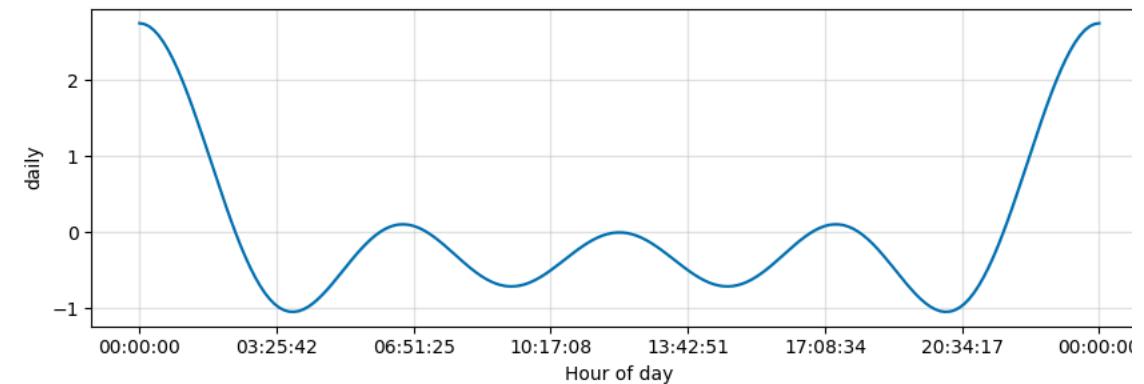
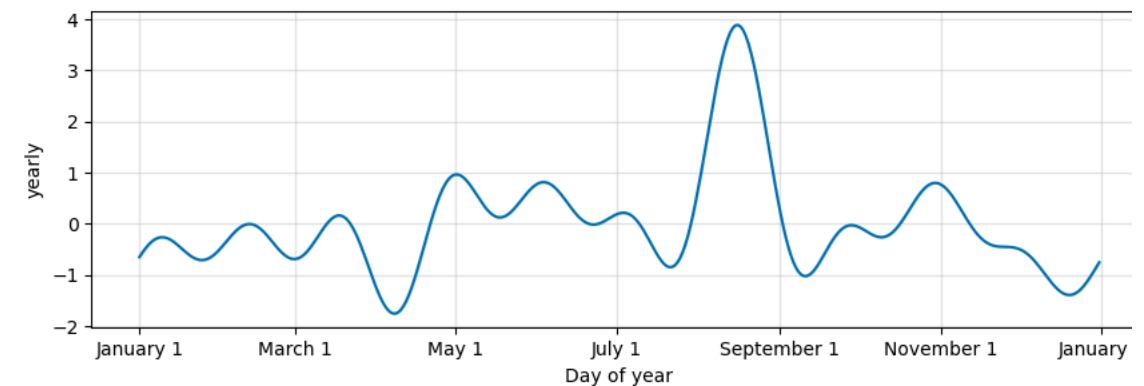
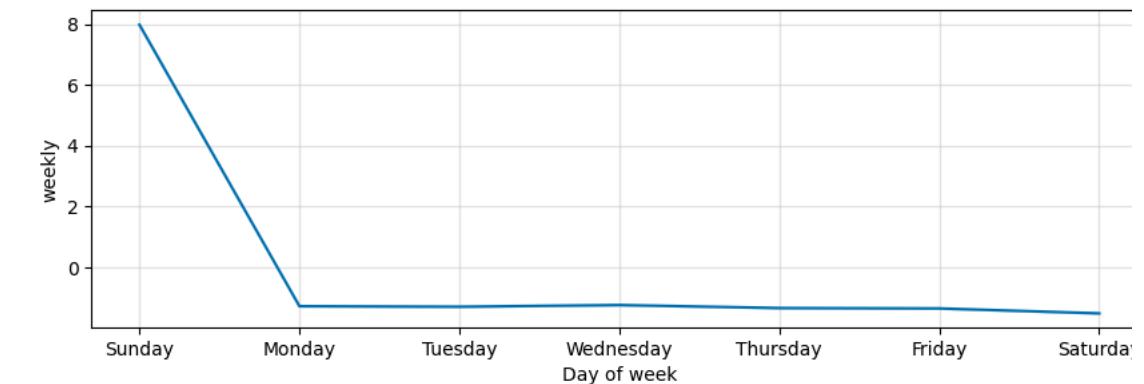
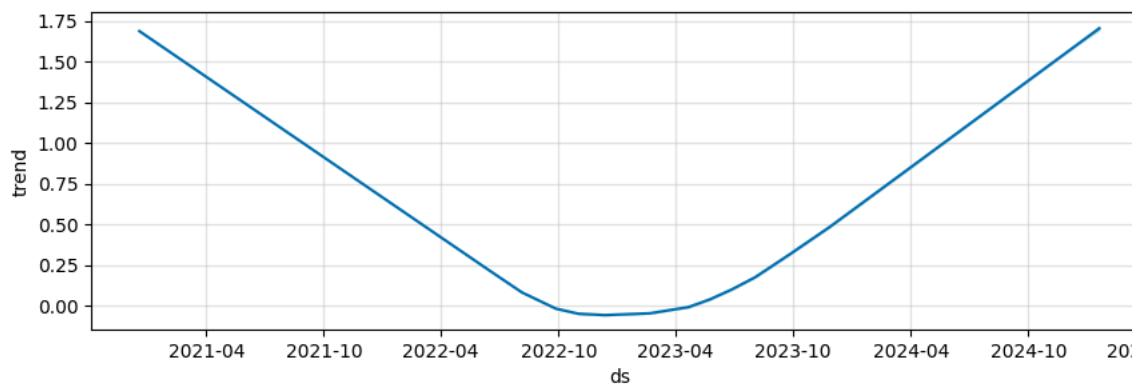
LangChainai-Langgraph

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Timeseries Forecasting of Created Issues using StatsModel based on past monthly data

Observation Graph of Created Issues

Number of stars

Number of forks

LangChainai-Langchain

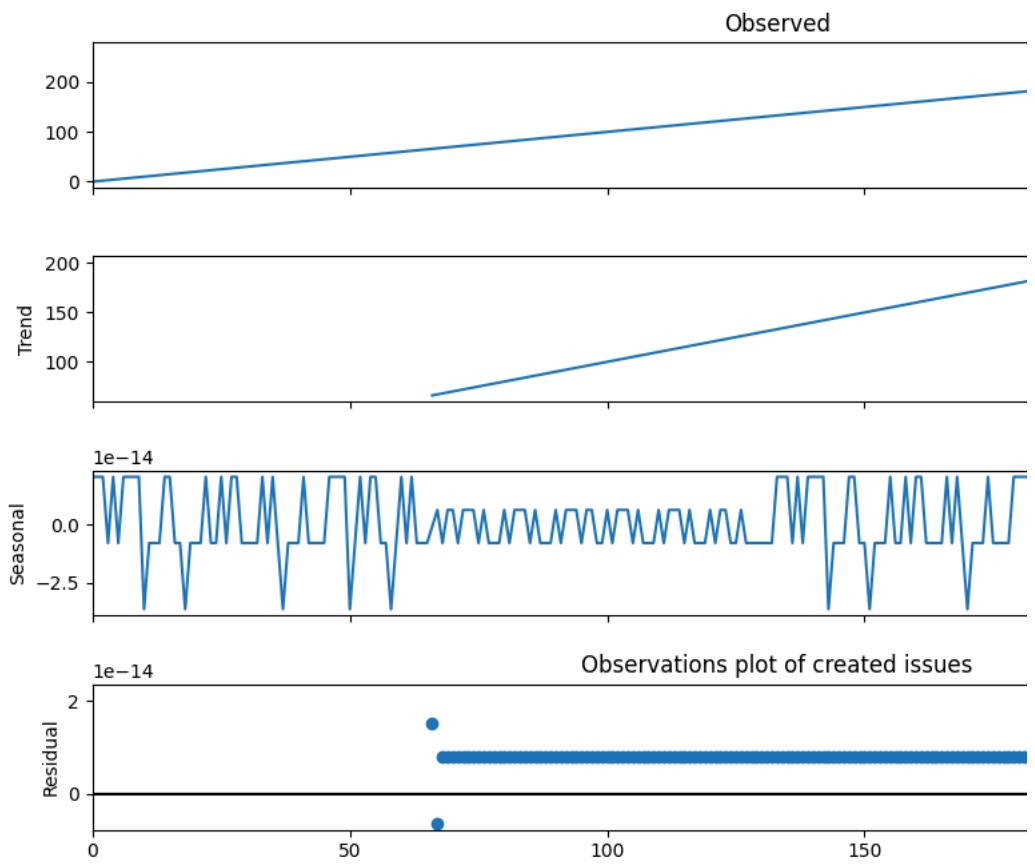
LangChainai-Langgraph

Microsoft-Autogen

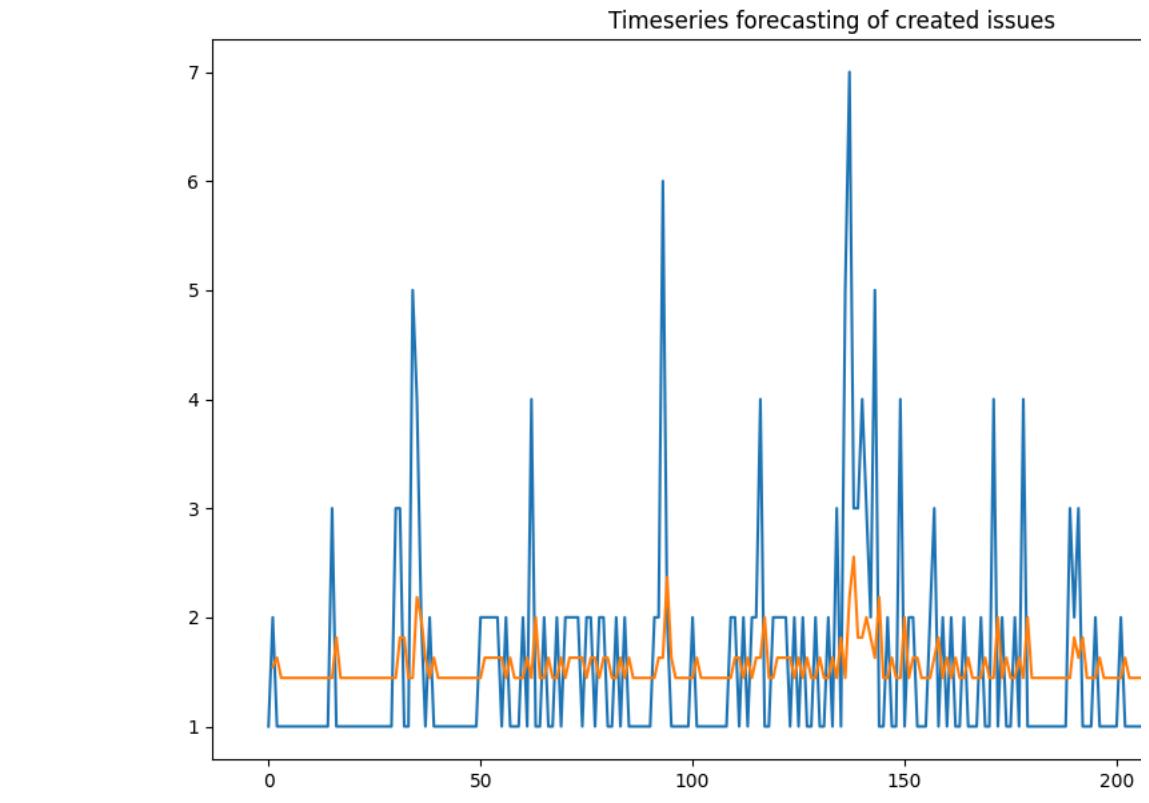
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Time Series Forecasting of Created Issues



Timeseries Forecasting of Closed Issues using StatsModel based on past month

Observation Graph of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

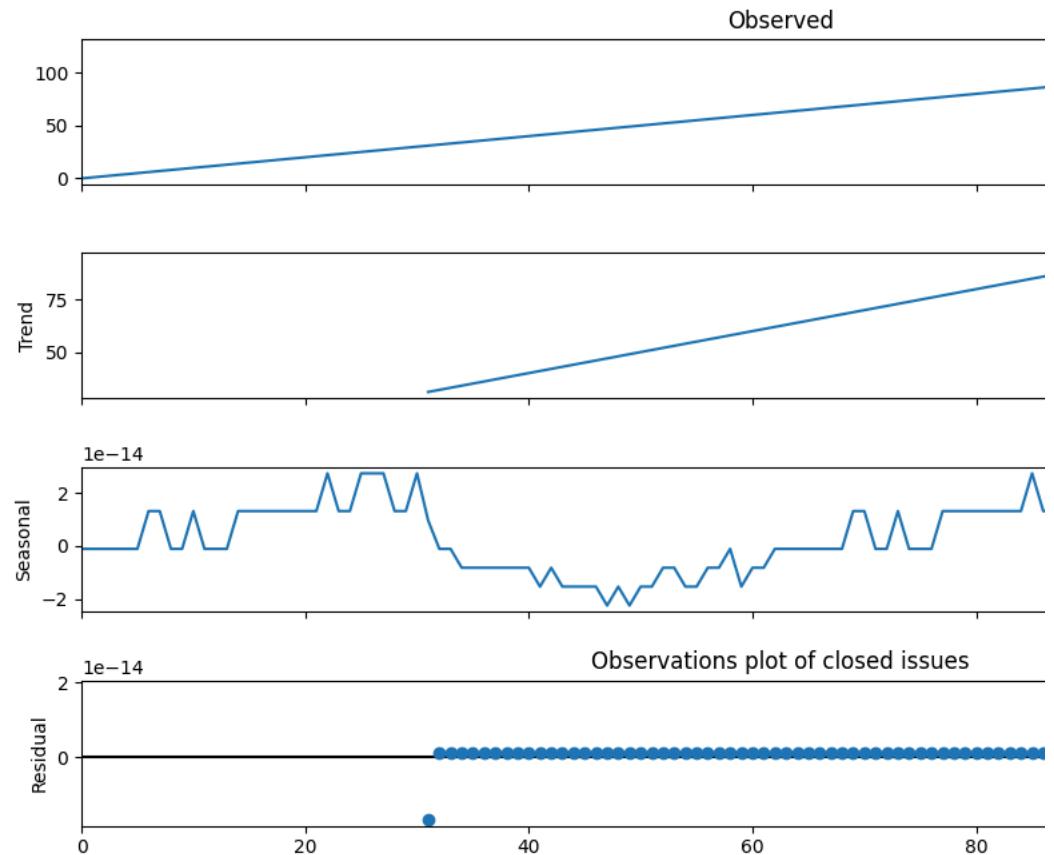
LangChainai-Langgraph

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Time Series Forecasting of Closed Issues

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

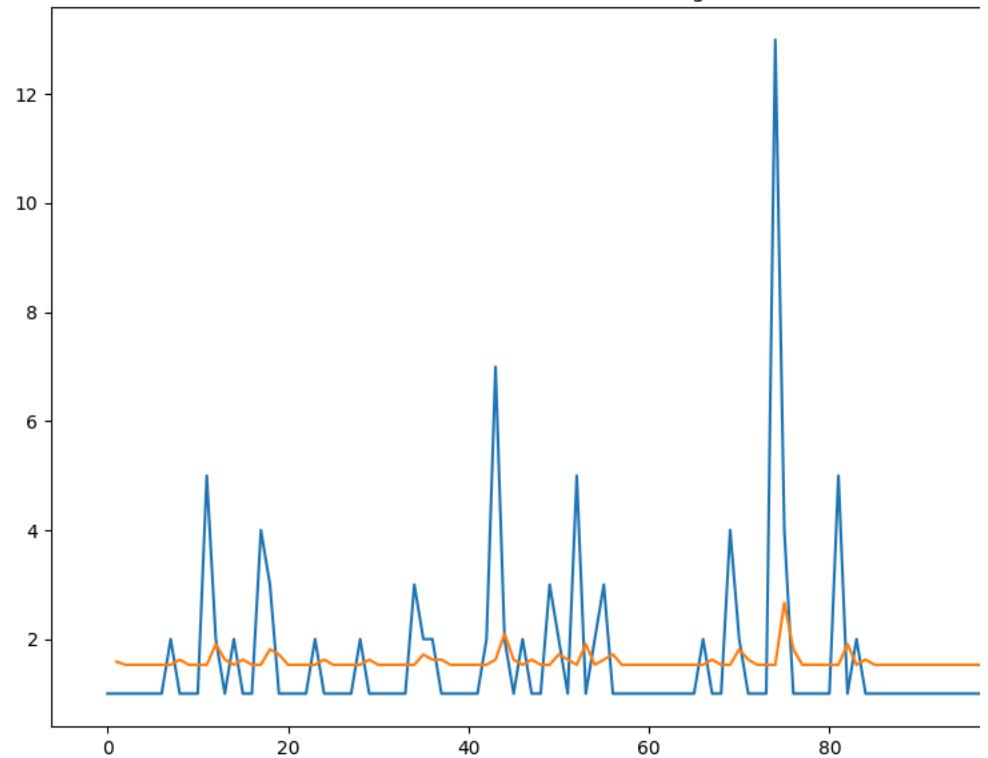
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Timeseries forecasting of closed issues



Timeseries Forecasting of Pull Request Issues using StatsModel based on past

Observation Graph of Pull Request Issues

Number of stars

Number of forks

LangChainai-Langchain

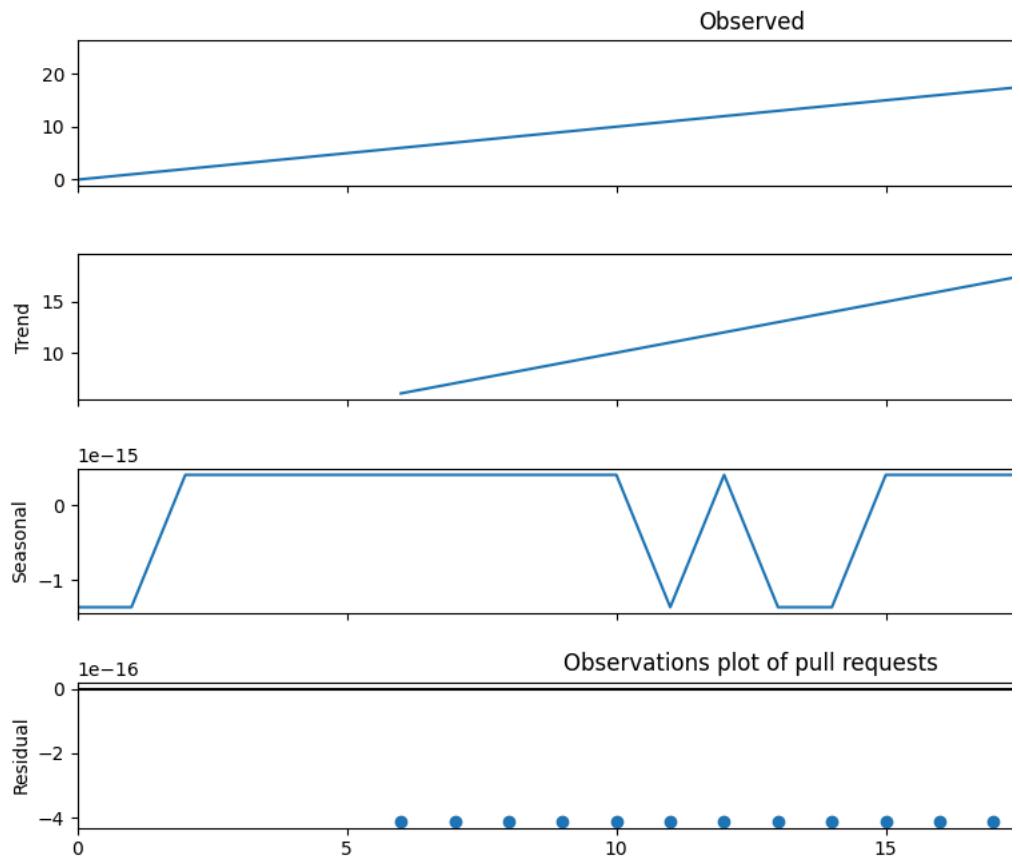
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Microsoft-Autogen

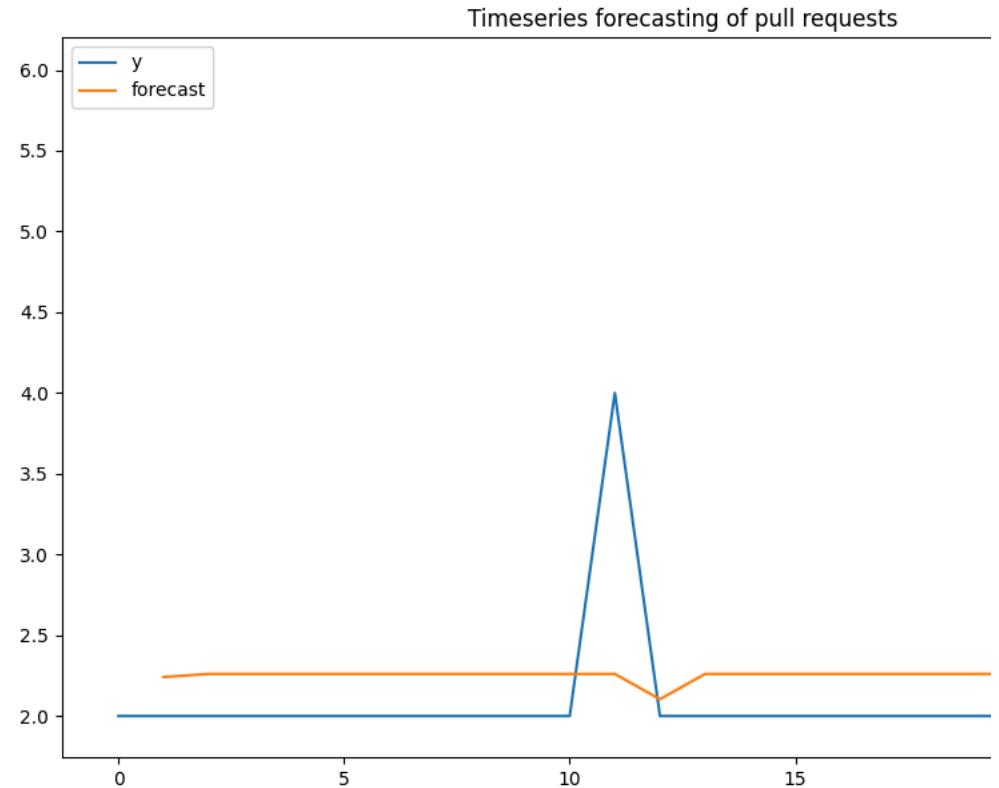
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Time Series Forecasting of Pull Request Issues



Timeseries Forecasting of Commits Issues using StatsModel based on past more

Observation Graph of Commits Issues

Number of stars

Number of forks

LangChainai-Langchain

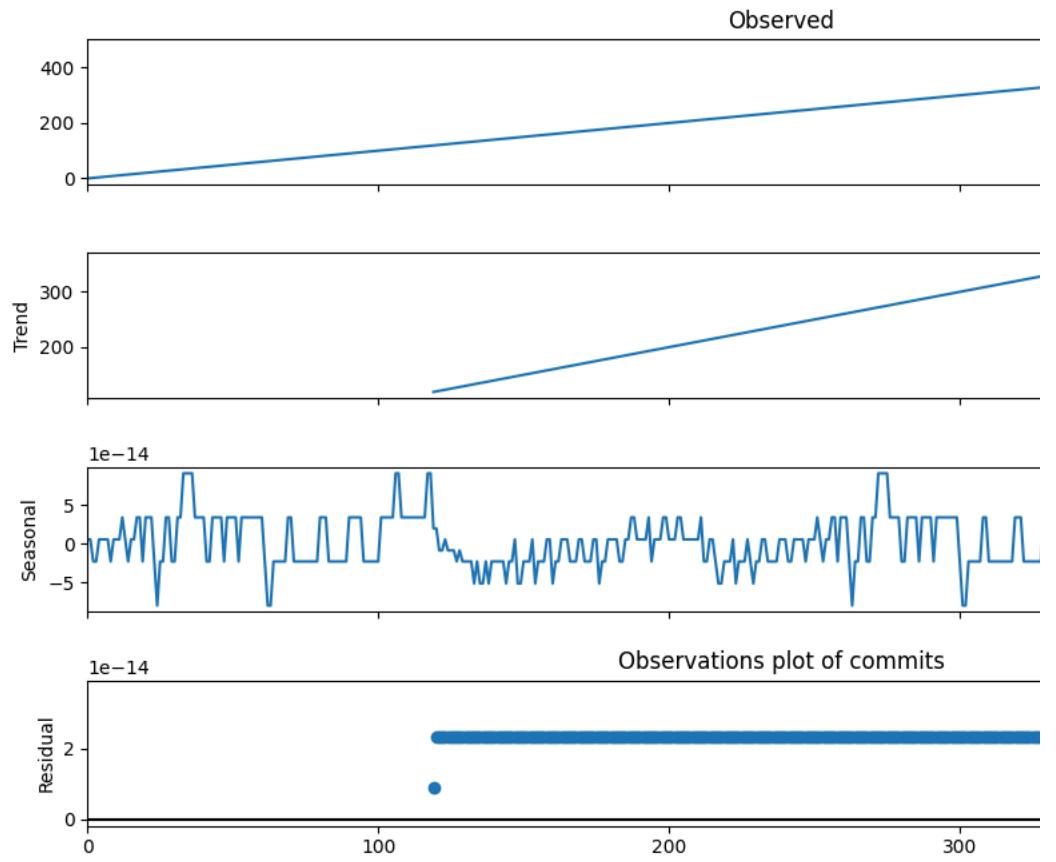
LangChainai-Langgraph

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Time Series Forecasting of Commits Issues

Timeseries forecasting of commits

Number of stars

Number of forks

LangChainai-Langchain

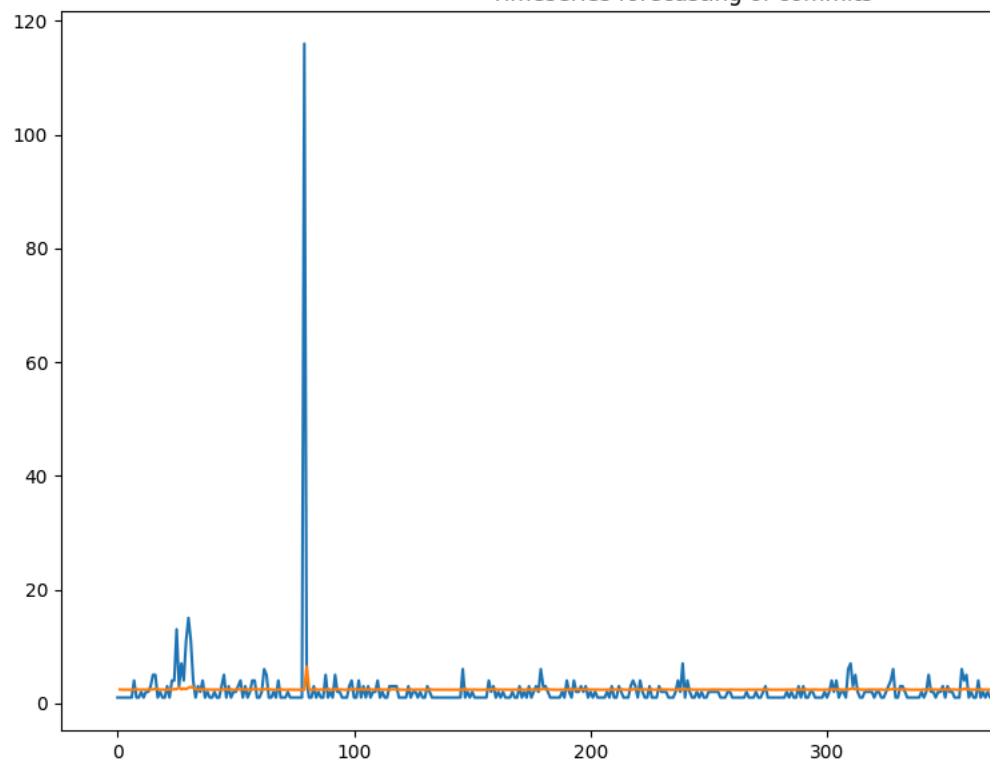
LangChainai-Langgraph

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Openai-Cookbook

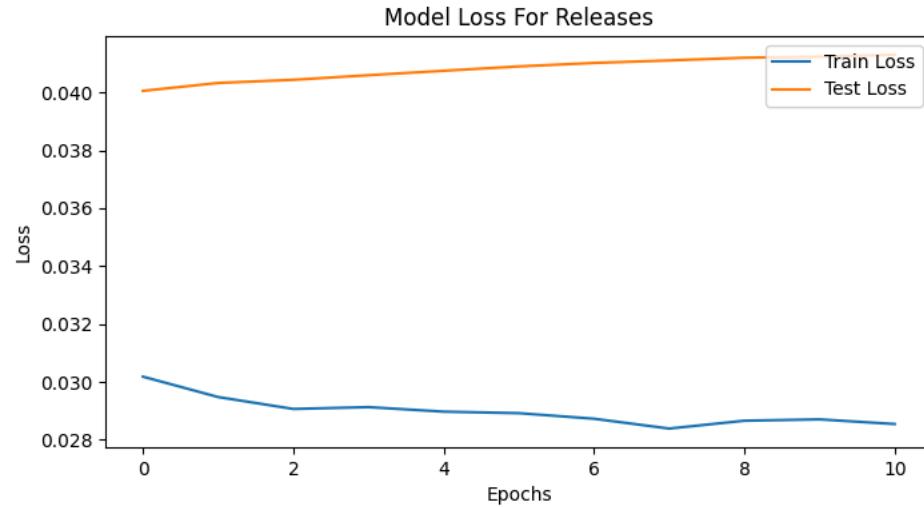
elasticsearch

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Timeseries Forecasting of Releases using Tensorflow and Keras LSTM

Model Loss for Releases



LSTM Generated Data for Releases

Number of stars

Number of forks

LangChainai-Langchain

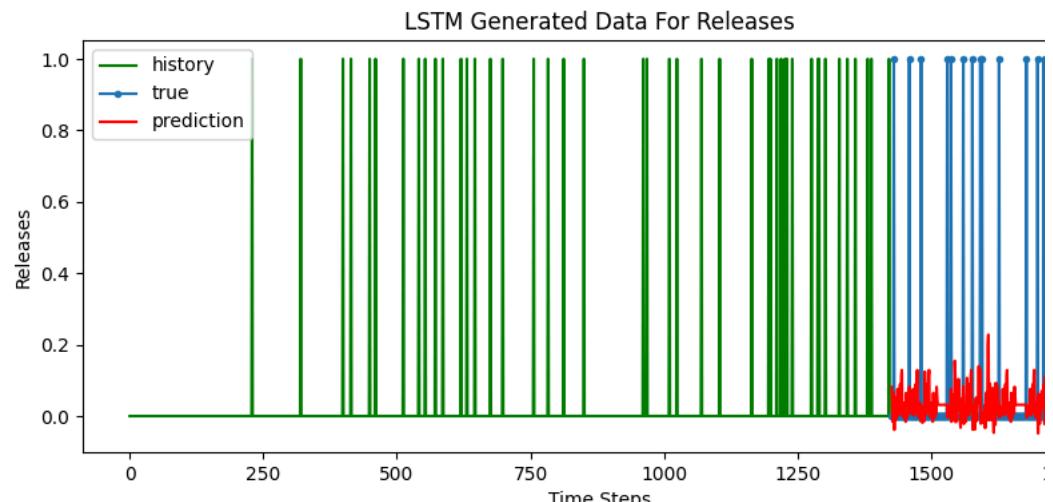
LangChainai-Langgraph

Microsoft-Autogen

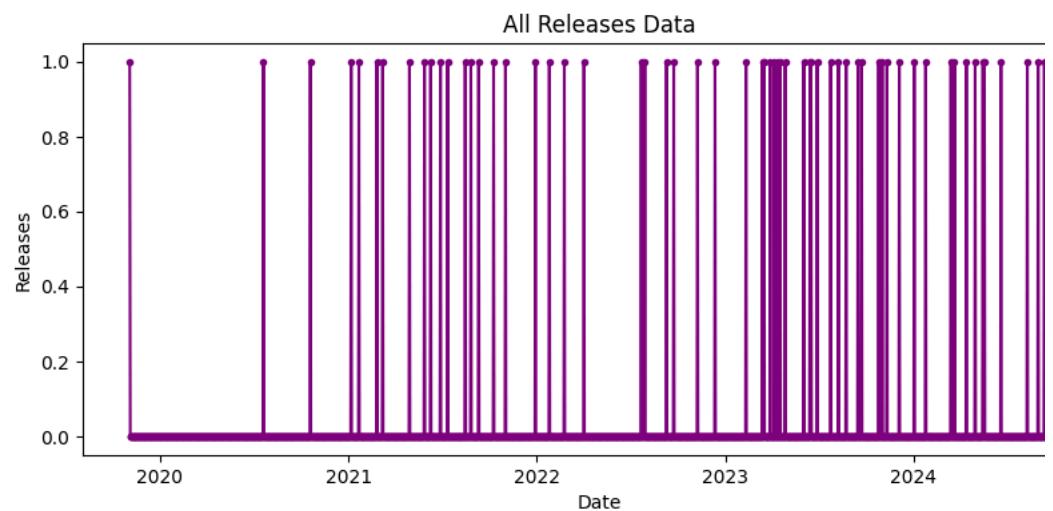
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All Issues Data for Releases



Timeseries Forecasting of Release using StatsModel

Observation Graph of Release Issues

Number of stars

Number of forks

LangChainai-Langchain

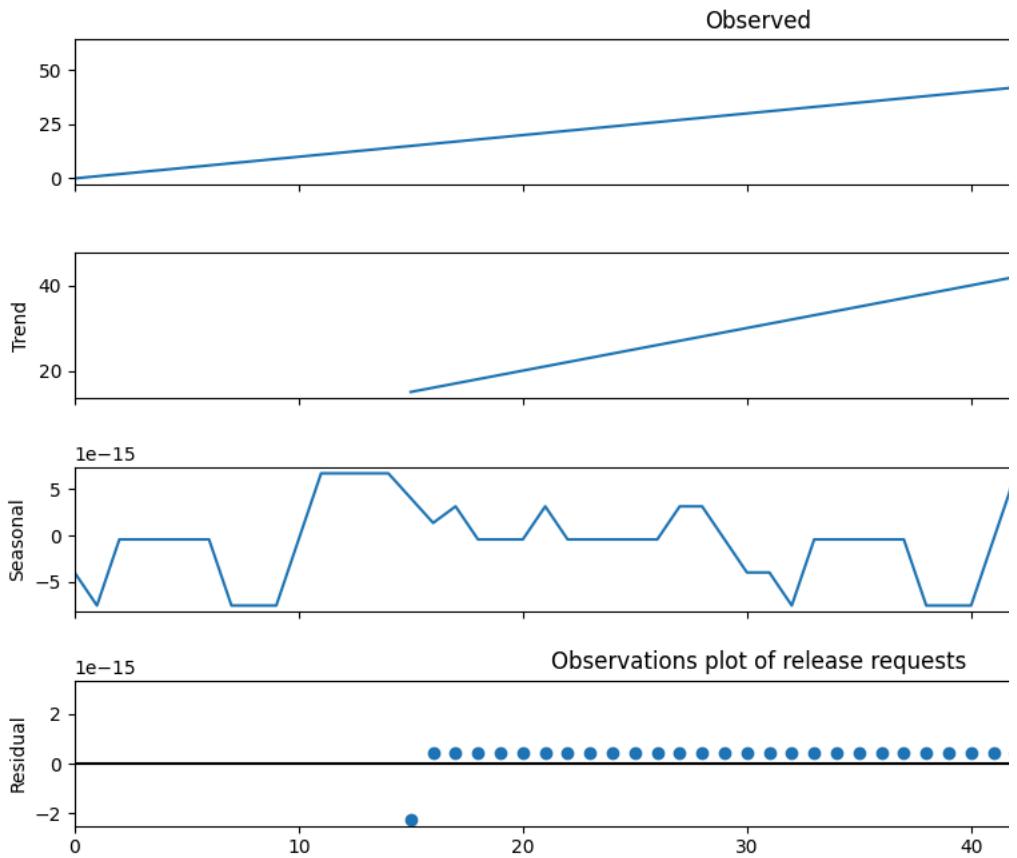
LangChainai-Langgraph

Microsoft-Autogen

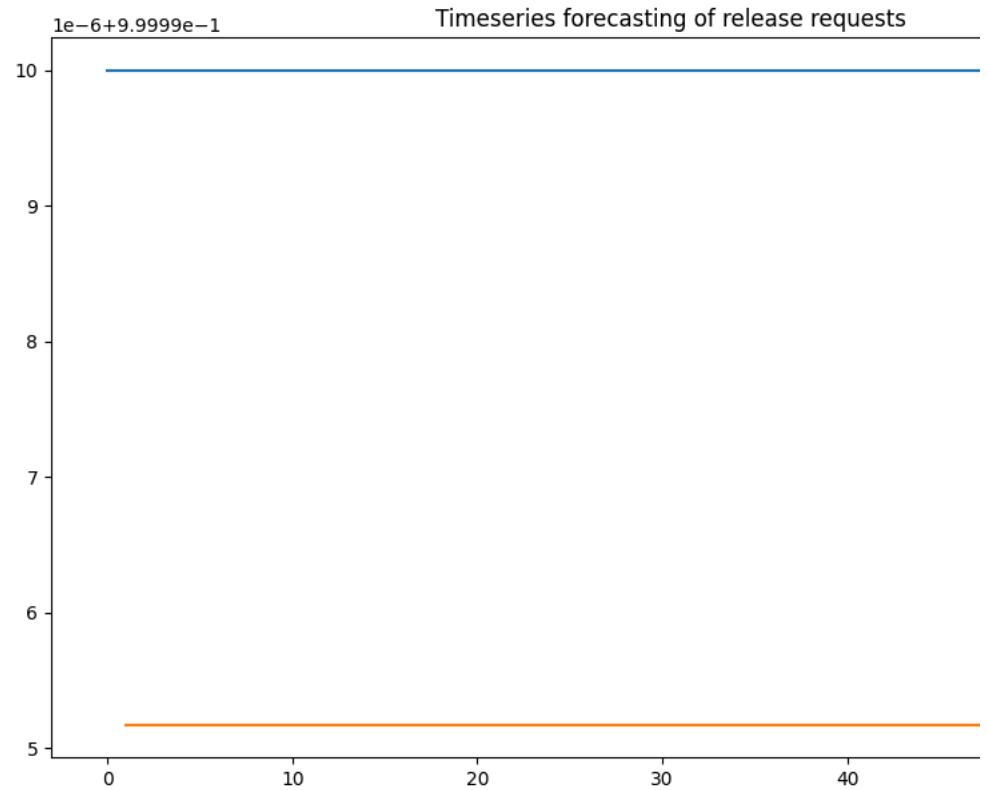
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Time Series Forecasting of Releases



Timeseries Forecasting of Release using Facebook/Prophet

No Release Data available for the repository

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

Microsoft-Autogen

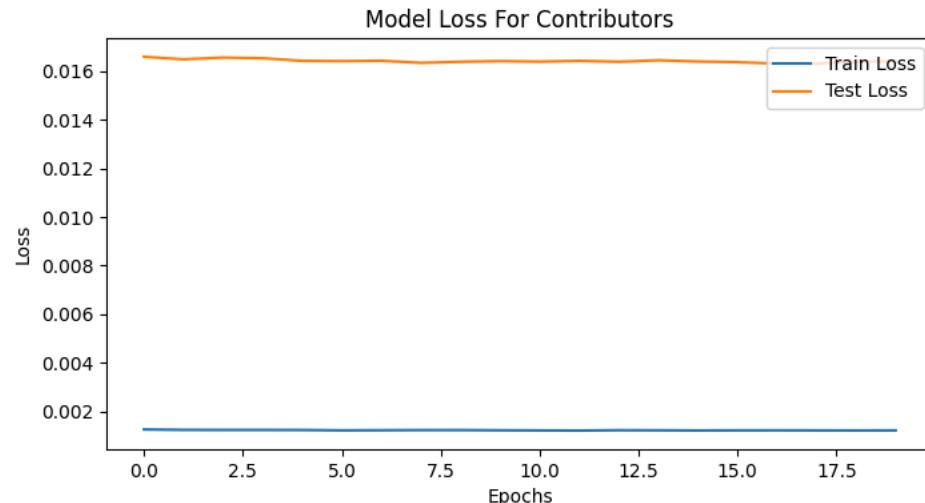
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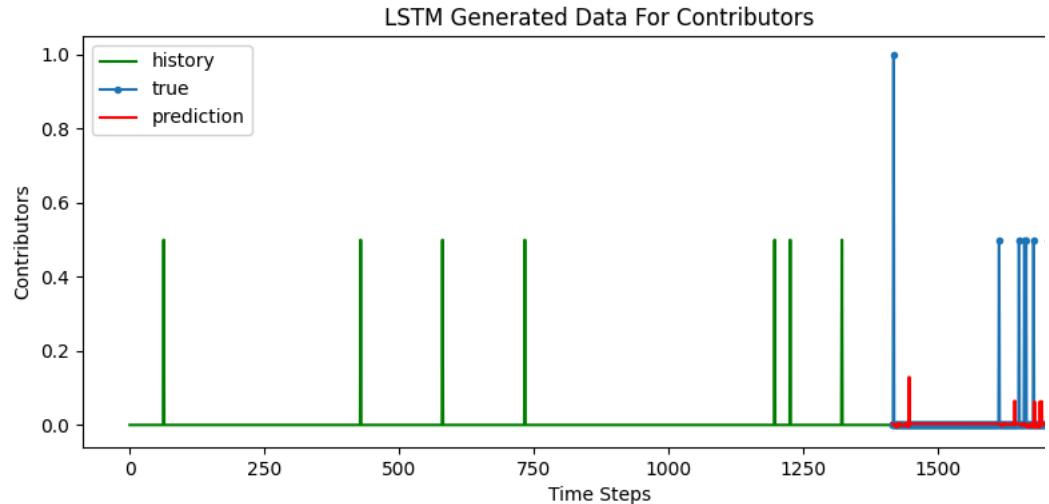
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Timeseries Forecasting of Contributors using Tensorflow and Keras LSTM

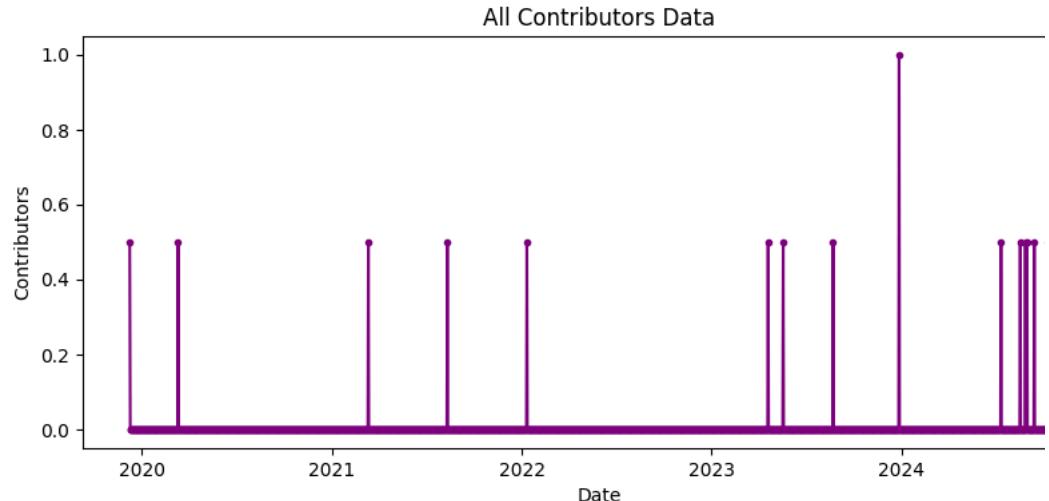
Model Loss for Contributors



LSTM Generated Data for Contributors



All Issues Data for Contributors



Timeseries Forecasting of Contributors using StatsModel

Observation Graph of Contributors

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

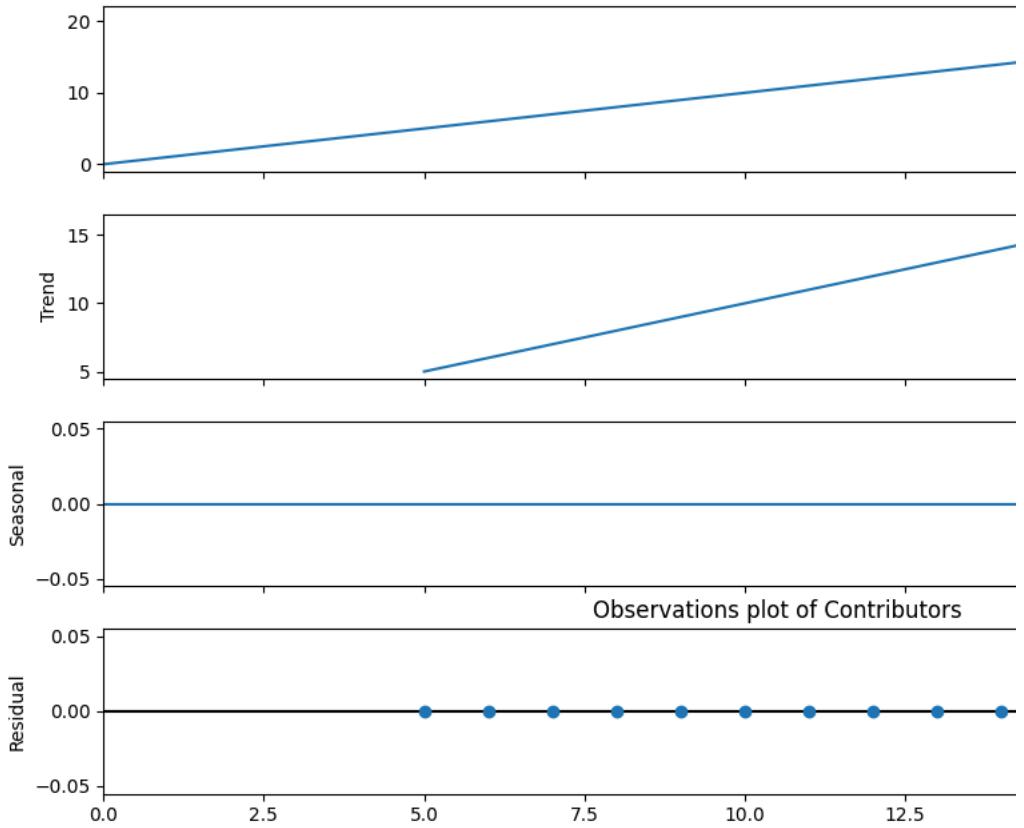
Microsoft-Autogen

Openai-Cookbook

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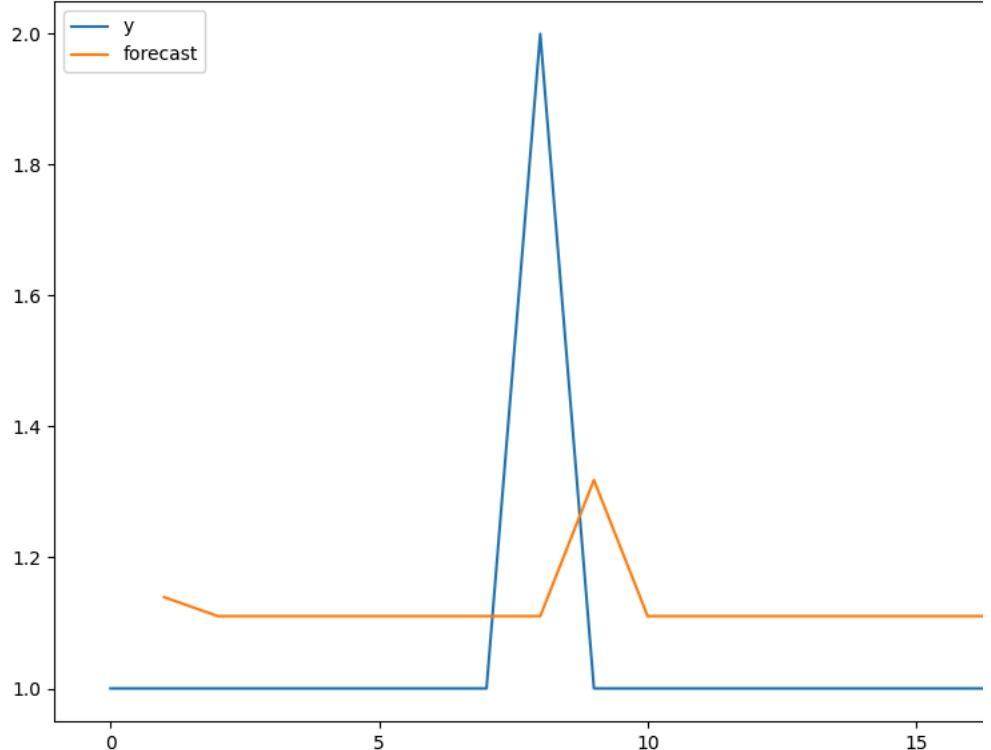
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Observed



Time Series Forecasting of Contributors

Timeseries forecasting of Contributors



Timeseries Forecasting of Contributors using Facebook/Prophet

Forecast of Contributors

Number of stars

Number of forks

LangChainai-Langchain

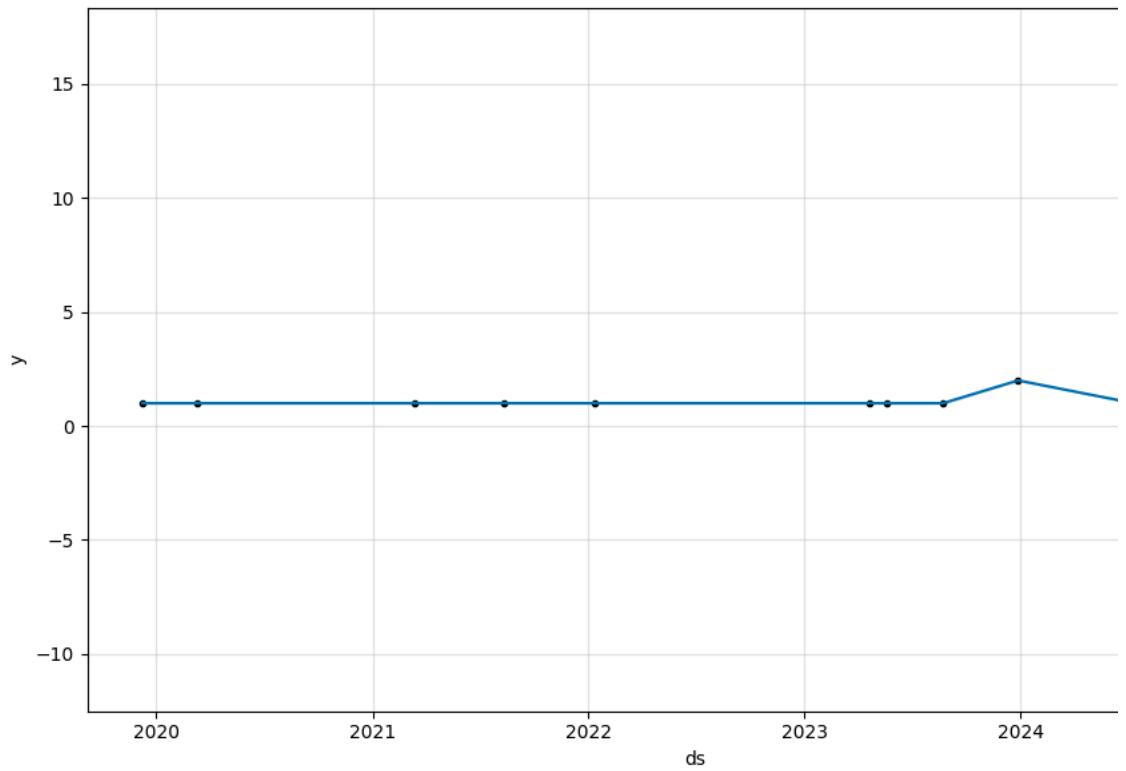
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Forecast Components of Contributors

Number of stars

Number of forks

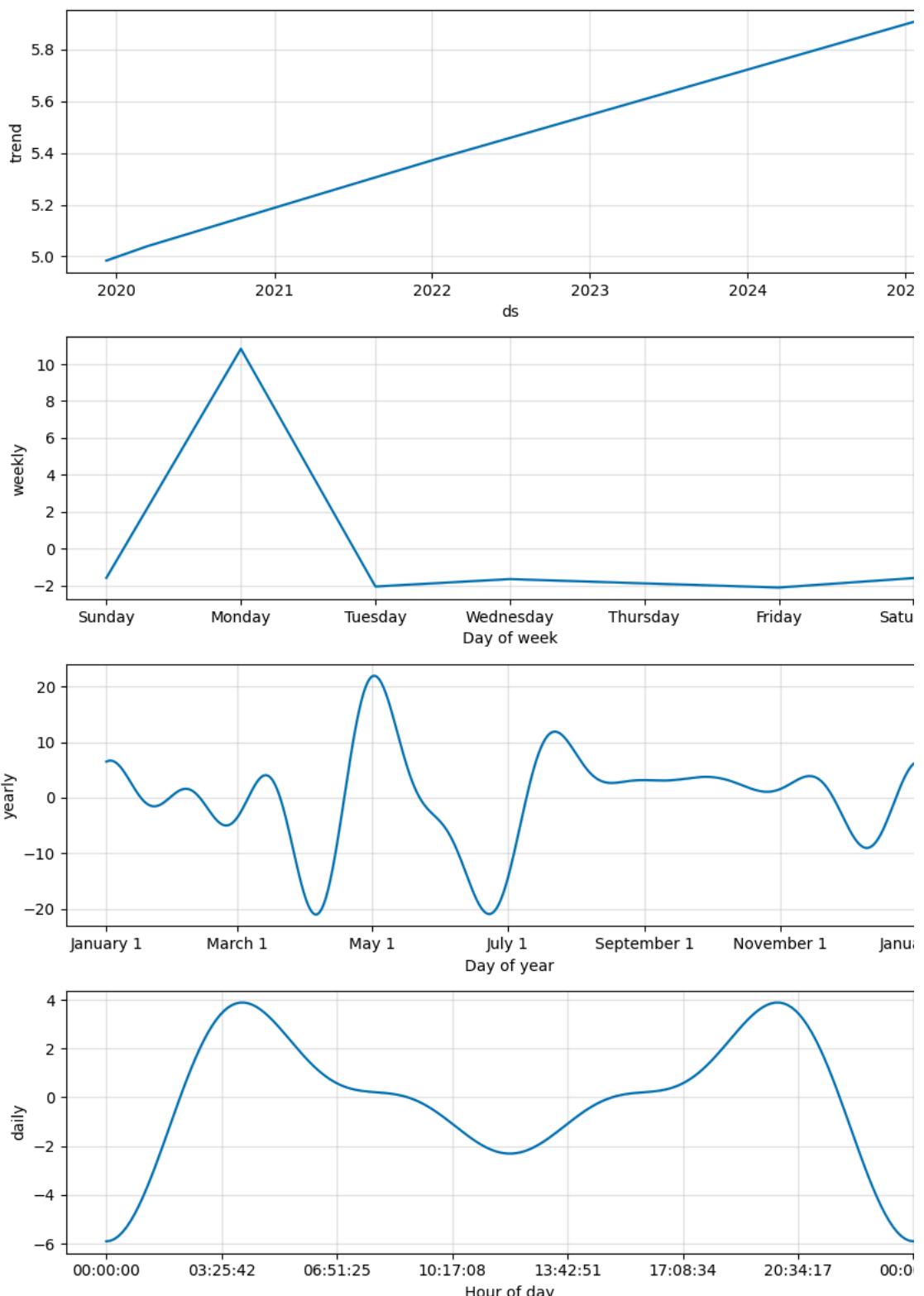
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Timeseries Forecasting of Branches using Tensorflow and Keras LSTM

Model Loss for Branches

Number of stars

Number of forks

LangChainai-Langchain

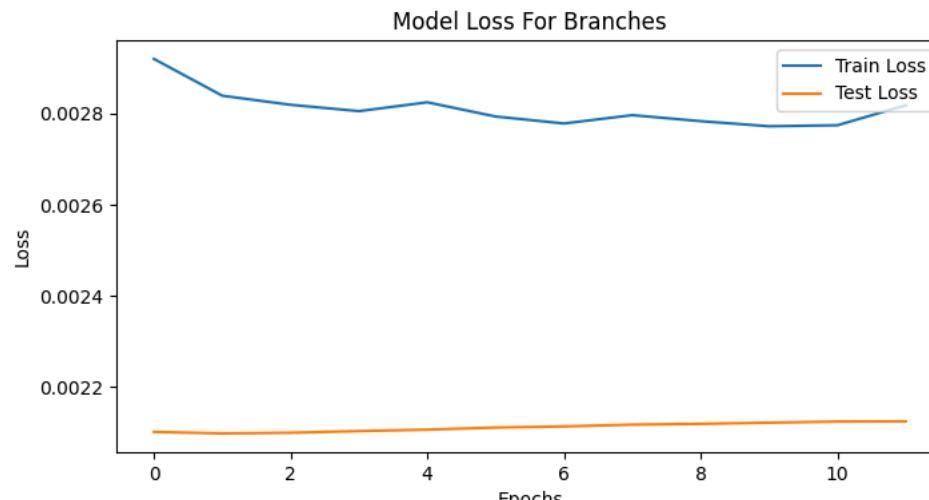
LangChainai-Langgraph

Microsoft-Autogen

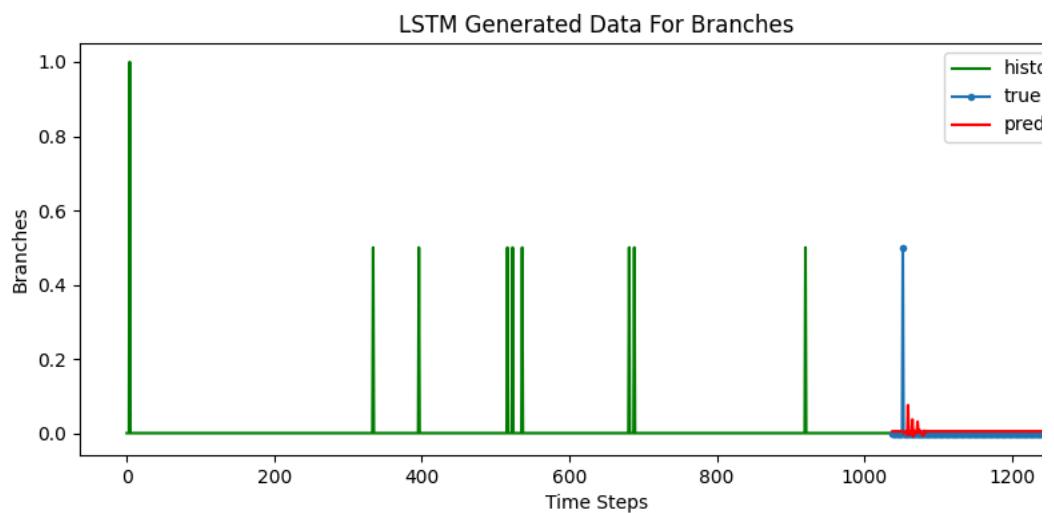
Openai-Cookbook

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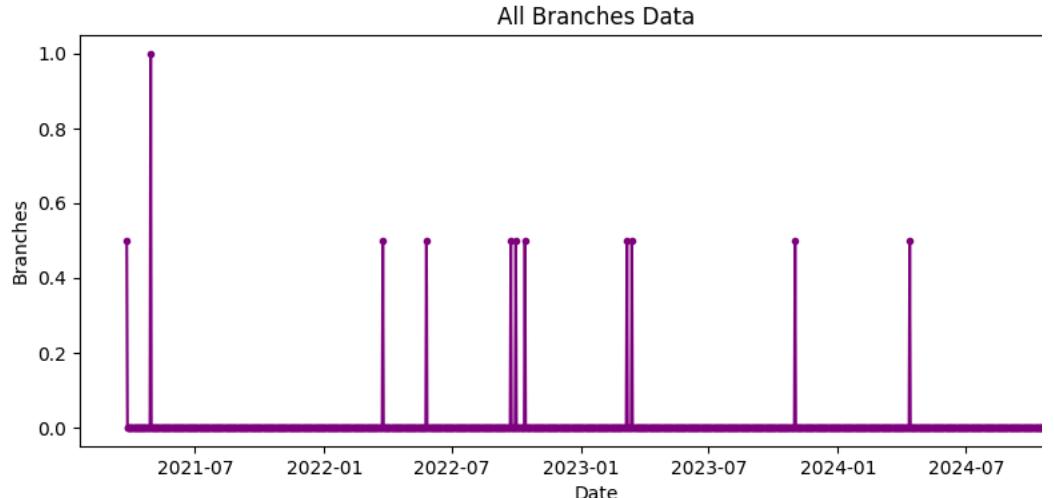
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LSTM Generated Data for Branches



All Issues Data for Branches

**Timeseries Forecasting of Branches using StatsModel**

Observation Graph of Branches

Number of stars

Number of forks

LangChainai-Langchain

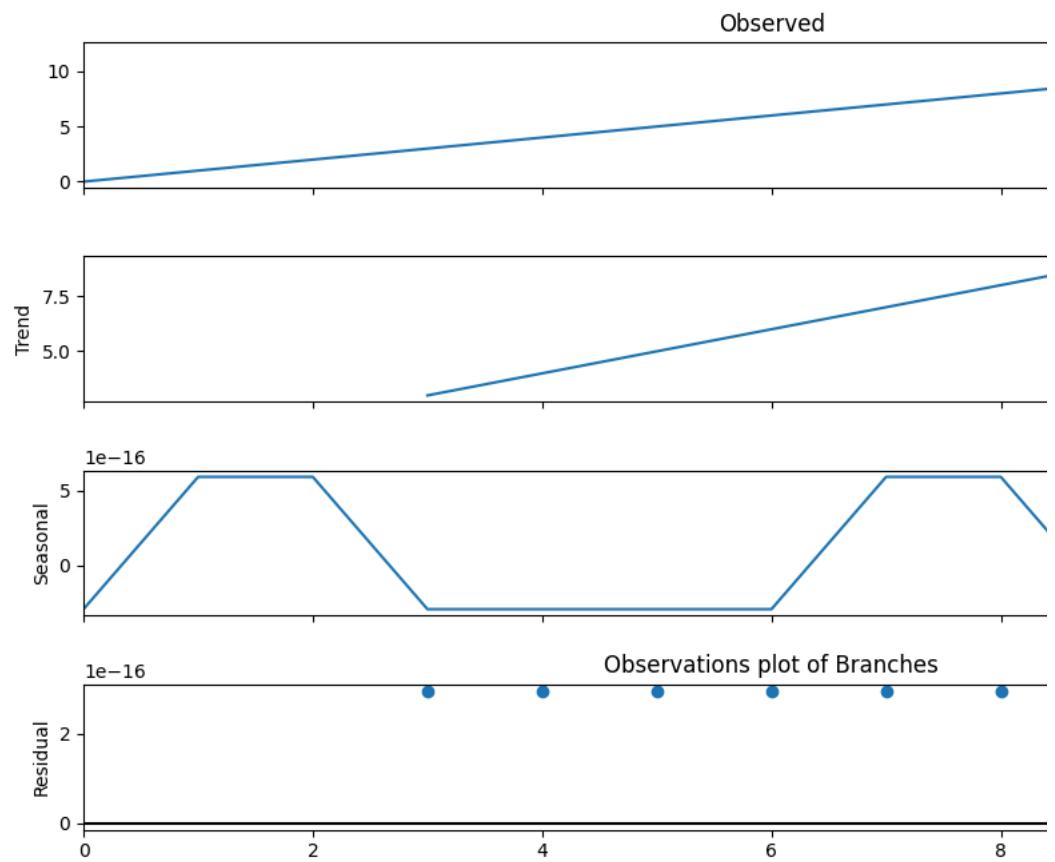
LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

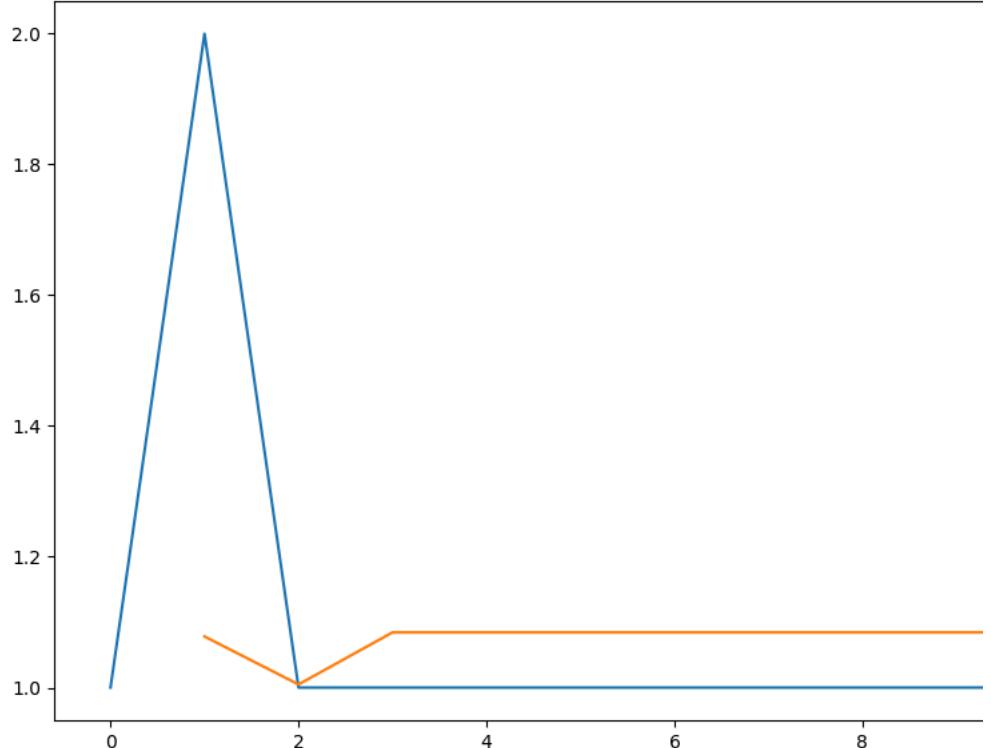
elasticsearch

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Time Series Forecasting of Branches

Timeseries forecasting of Branches



Timeseries Forecasting of Branches using Facebook/Prophet

Forecast of Branches

Number of stars

Number of forks

LangChainai-Langchain

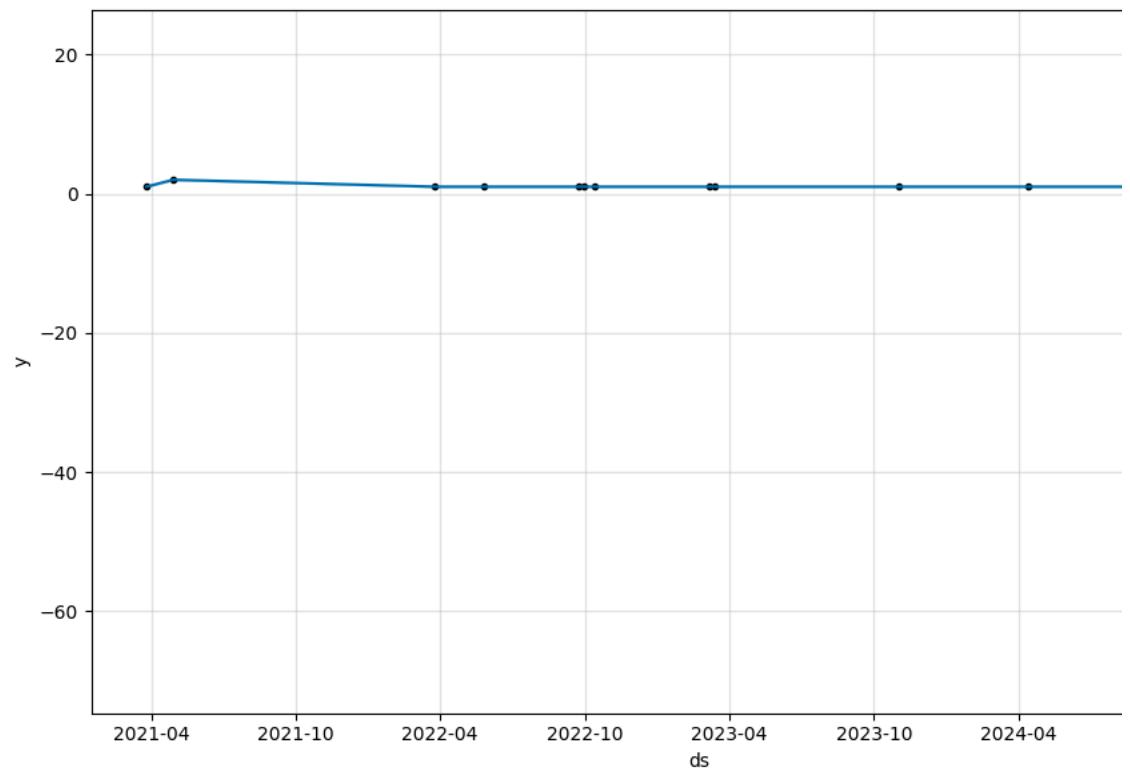
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Openai-Cookbook

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Forecast Components of Branches

Number of stars

Number of forks

LangChainai-Langchain

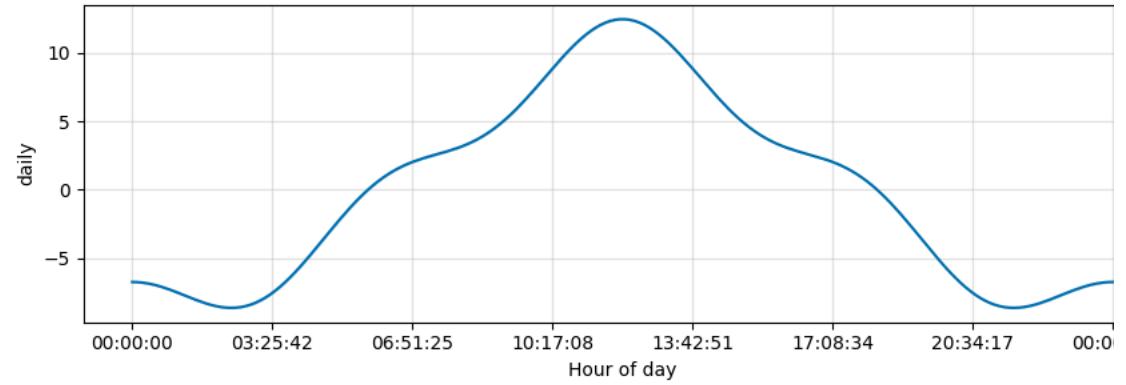
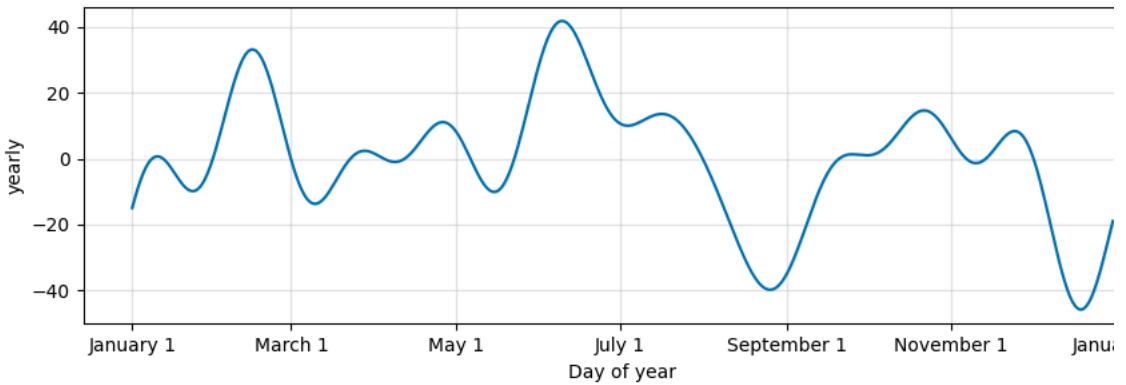
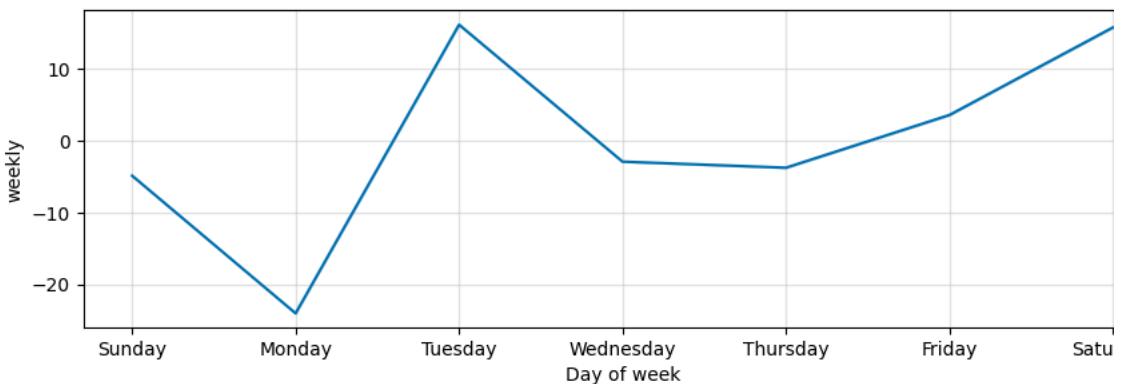
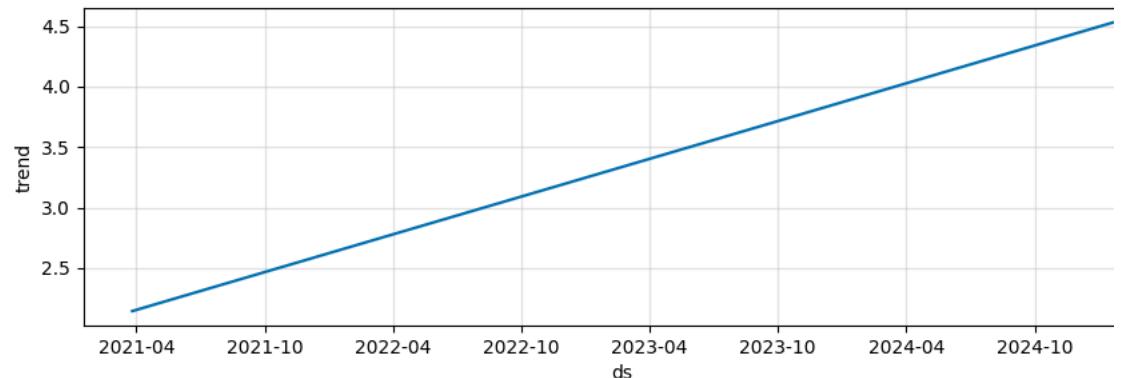
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Timeseries Forecasting by Nency patel - Assignment 5 Part 1

Number of stars

Number of forks

LangChainai-Langchain

LangChainai-Langgraph

Microsoft-Autogen

Openai-Cookbook

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Number of stars for ea

