

DATA+AI
SUMMIT 2022

Time Series Forecasting with PyCaret

An open-source, low-code
machine learning library

ORGANIZED BY  databricks



Moez Ali
Creator of PyCaret

Agenda

Time Series Forecasting with PyCaret

- Introduction
- PyCaret
- Time Series Module
- Demo
- Q&A



About me

- **Background:** Finance + Economics + Data Science
- **Industries:** Healthcare + Education + Consulting + Fintech + Retail/CPG
- **Currently work at:** Antuit (Zebra) @ Director Product Strategy
- **Previously:** PwC, Moneris @ Data Analytics / Data Science



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Important Links

- **Official:** <https://www.pycaret.org>
- **GitHub:** <https://www.github.com/pycaret/pycaret>
- **Docs:** <https://pycaret.gitbook.io>
- **LinkedIn:** <https://www.linkedin.com/company/pycaret>
- **YouTube:** https://www.youtube.com/channel/UCxA1YTYJ9BEeo50lxyl_B3g
- **Medium:** https://medium.com/@moez_62905/
- **Slack:** https://join.slack.com/t/pycaret/shared_invite/zt-nm02k73a-PSDo5lwmQ6evIFCPRxsKKA
- **Demo:** <https://www.github.com/pycaret/pycaret-demo-dataai2022>

What is PyCaret?

PyCaret is an open source, low-code machine learning library and end-to-end model management used to automate machine learning workflows. It is commonly used for rapid prototyping and deployment of ML pipelines.



EASY TO USE

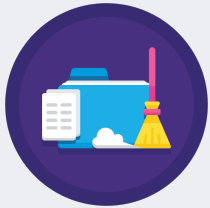


PRODUCTIVITY TOOL



BUSINESS READY

PyCaret Features



Data Preparation



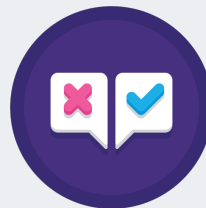
Model Training



Hyperparameter Tuning



Analysis & Interpretability

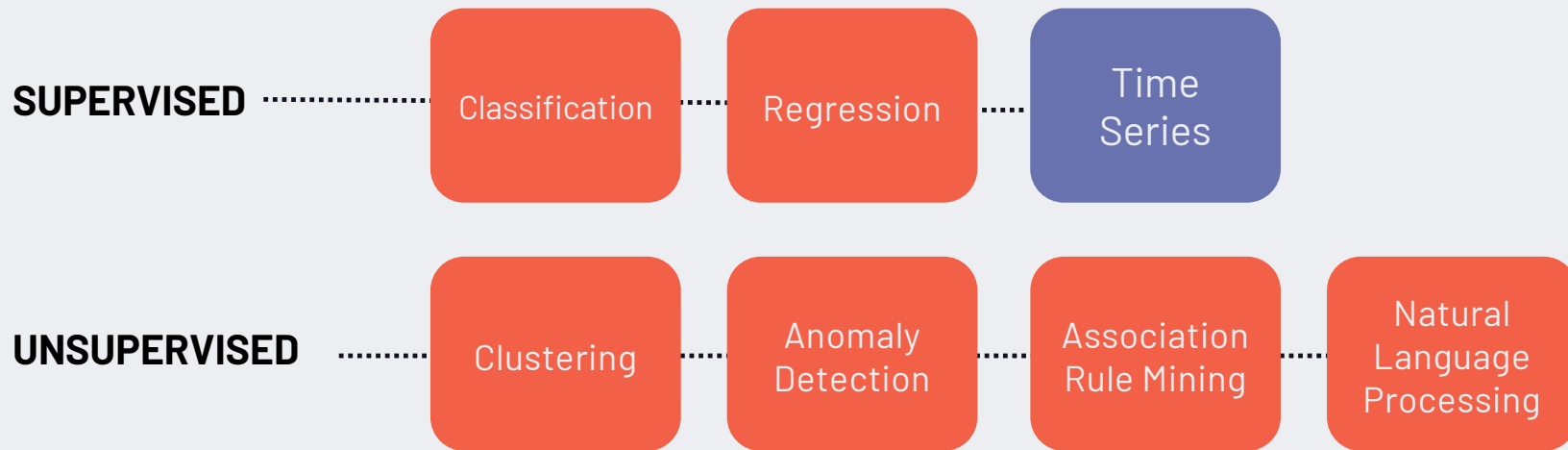


Model Selection

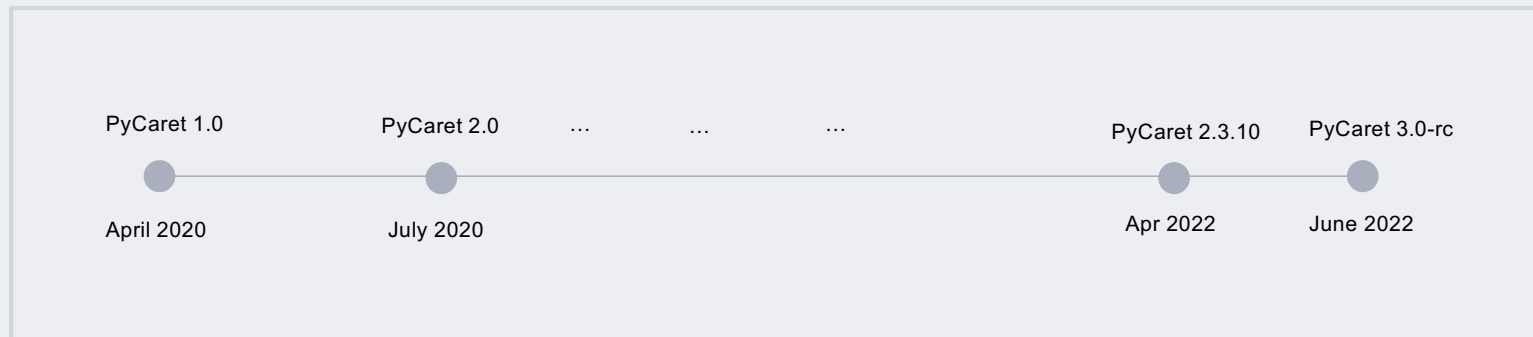


Experiment Logging

Machine Learning use-cases:



Project Timelines



Project Facts

4M+

Downloads

5,700+

Git Stars

78

Contributors

4,000+

Commits

PyCaret on GPU and on distributed cluster

Training on GPU



Scalable Hyperparameter Tuning



PyCaret Integrations



RAPIDS



mlflow™

XGBoost



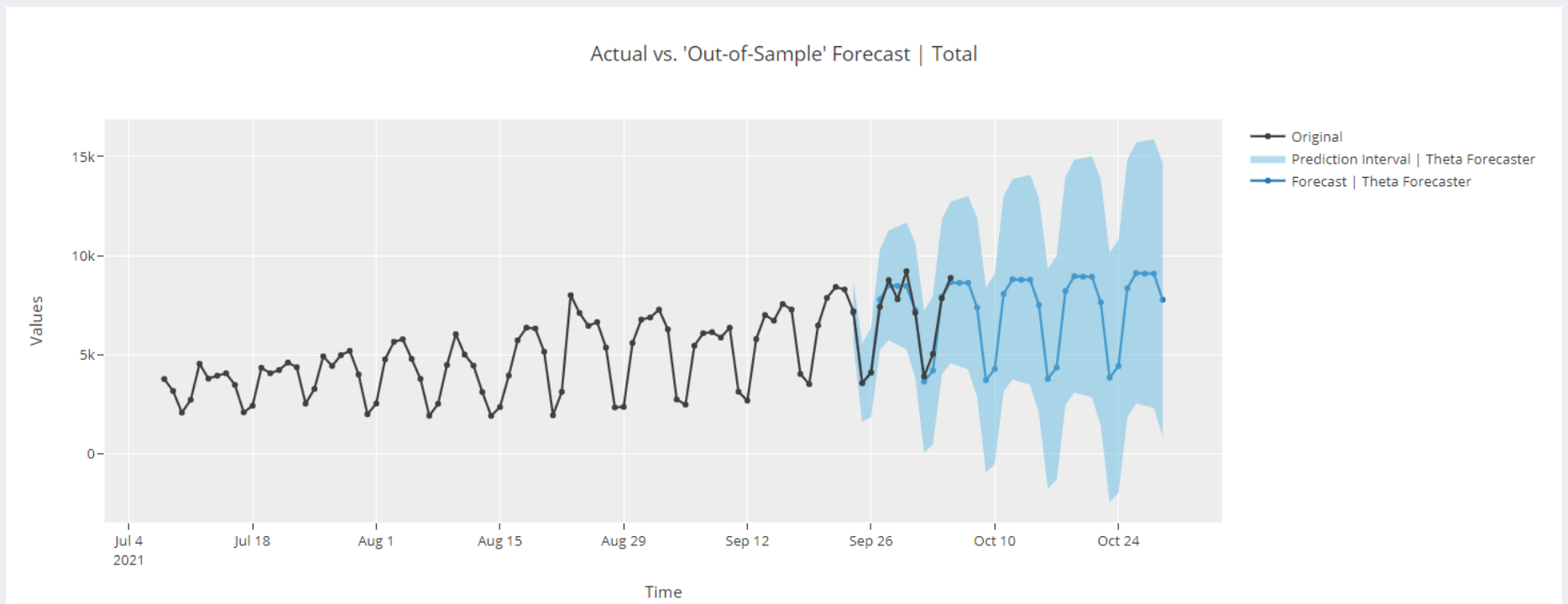
Yellowbrick



gensim

spaCy

Time Series Forecasting



Demo

Get Demo Notebook here:

<https://www.github.com/pycaret/pycaret-demo-dataai2022>

Feedback

Your feedback is important to us.
Don't forget to rate and review the sessions.

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Thank you



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