GO DATA DRIVEN

(Serious) Time for Time Series

It's time to take time series seriously!

AMLD Switzerland 2022

About us

Marysia Winkels

Data Science Educator

GoDataDriven

James Hayward

Data Science Educator

GoDataDriven

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Organize

Data and AI Strategy Execution

Build

Data Platforms and AI Applications

Train

Data and AI Learning Journeys

Manage

Managed Data Platform and AI Services

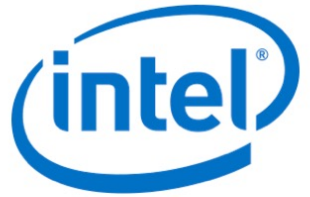
Democratize

Data Democratization

Solve

Turn-Key Cloud & Data Solutions

Trusted by global industry leaders



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GoDataDriven Academy

A variety of courses

- Data Science with Python (introductory & advanced)
- Deep Learning
- Data Visualisation & Storytelling
- Analytics Translation
- Time Series
- Machine Learning Explainability

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About you!

Join us at PollEverywhere

gdd.li/poll-amld

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Agenda

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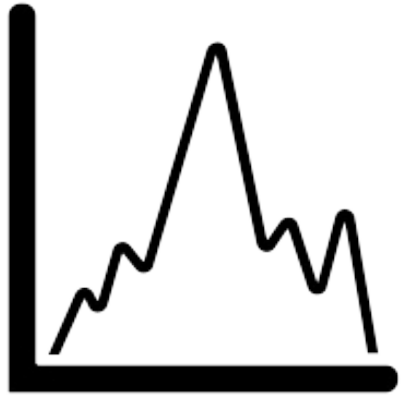
Tutorial

1. Introduction
2. Time series analysis with Pandas
3. Seasonality modeling
4. Challenge
5. Closing remarks

10 minute break halfway through!



Workshop content

Things we will cover

- Introduction to Time Series Analysis with Pandas
- Modelling Time Series data & Seasonality

What this workshop is *not* about

- Deep Learning
- Prophet (or other Time Series libraries)

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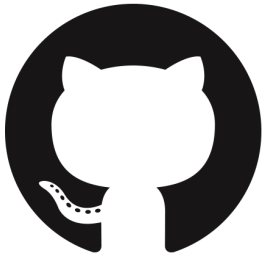
Material



gdd.li/time-series-github

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Time Series Analysis with Pandas

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Seasonality Modeling

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Workshop Summary

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Introduction to Time Series Analysis

- Timestamps
- Time-based aggregations
- Creating time-based features
- Smoothing Time Series data

Seasonality Modelling

- Time Series decomposition
- Modelling Time Series data
- Engineering seasonal features
- Outlier/anomaly detction
- Model evaluation

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@ AMLD Switzerland 2022

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Unpacking the "Black Box": How to Interpret your Machine Learning Model?

14:00-18:00, March 27 @ 2ABC

The Data & AI Maturity Journey

13:30-17:30, March 28 @ 1A

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gdd.li/time-series-training

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