

(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



GoDataDriven





Organize

Data and Al Strategy Execution



Build

Data Platforms and Al Applications



Train

Data and Al Learning Journeys



Manage

Managed Data Platform and Al Services



Democratize

Data Democratization



Solve

Turn-Key Cloud & Data Solutions

Trusted by global industry leaders



Uber



Booking.com



































GoDataDriven Academy

A variety of courses

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





About you!

Join us at PollEverywhere



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Agenda

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)





Material



gdd.li/time-series-binder



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Time Series Analysis with Pandas



Seasonality Modeling





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Workshop Summary



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

GoDataDriven

@ AMLD Switzerland 2022

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

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

The Data & Al Maturity Journey

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



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