COURSE TABLE OF CONTENTS

Time-Series Analysis with Python

OEM: Koenig Original • Duration: 3 Days (24 hrs)

COURSE MODULES & TOPICS

Module 1: Introduction to Time-Series Analysis

- Understanding time-series data characteristics
- Python libraries for time-series analysis
- Data preparation techniques
- Time-series data visualisation
- Exploratory data analysis for time-series

Module 2: Advanced Time-Series Techniques

- Stationarity and differencing
- Autocorrelation and partial autocorrelation
- Decomposition of time-series
- ARIMA models
- Model selection and evaluation

Module 3: Forecasting and Real-World Applications

- Implementing forecasting models
- Advanced forecasting techniques
- Real-world case studies
- Handling anomalies in time-series
- Future trends in time-series analysis

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