

COURSE DETAIL

TIME-DEPENDENT DATA FROM FINANCIAL ANALYTICS TO LARGE LANGUAGE MODELS

Country

United Kingdom - England

Host Institution

University of London, Queen Mary

Program(s)

Summer at Queen Mary London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics Mathematics

UCEAP Course Number

109

UCEAP Course Suffix

S

UCEAP Official Title

TIME-DEPENDENT DATA FROM FINANCIAL ANALYTICS TO LARGE LANGUAGE MODELS

UCEAP Transcript Title

TIME-DEPENDENT DATA

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course is a basic introduction to the dynamics of time-dependent data. The course starts by discussing the type of data to be analyzed. Apart from typical single number time series such as temperatures or stock prices, students also consider the evolution of geospatial variables, 3D, and text data. This is followed by the basic Exploratory Data Analysis in the context of time-dependent data. The course will then provide insights on how time-dependent data can be analyzed based on real world examples and applications. Areas of applications that might be considered are speech, stock market evolution, music, geospatial data such as MRI scans, and medical time series data used in diagnostics.

Language(s) of Instruction

English

Host Institution Course Number

SUM502M

Host Institution Course Title

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Host Institution Course Details

<https://www.qmul.ac.uk/summer-school/what-can-i-study/modules/time-dependent-da...>

Host Institution Campus**Host Institution Faculty**

School of Mathematical Sciences

Host Institution Degree**Host Institution Department**

Course Last Reviewed

2025-2026

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