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
TIME-DEPENDENT DATA FROM FINANCIAL ANALYTICS TO LARGE LANGUAGE MODELS

Host Institution Campus

Host Institution Faculty
School of Mathematical Sciences

Host Institution Degree

Host Institution Department

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