COURSE DETAIL

MANAGING AND VISUALIZING DATA
Country United Kingdom - England
Host Institution London School of Economics
Program(s) London School of Economics
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Statistics
UCEAP Course Number 118
UCEAP Course Suffix
UCEAP Official Title MANAGING AND VISUALIZING DATA
UCEAP Transcript Title MANAGING DATA
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

The course focuses on the fundamental principles of effective manipulation and visualization of data. It covers the key steps of a data analytics pipeline, starting with formulation of a data science problem, going through manipulation and visualization of data, and, finally, creating actionable insights. The topics covered include methods for data cleaning and transformation, manipulation of data using tabular data structures, relational database models, structured query languages (e.g. SQL), processing of various human-readable data formats (e.g. JSON and XML), data visualization methods for explanatory data analysis, using various statistical plots such as histograms and boxplots, data visualization plots for time series data, multivariate data, and graph data visualization methods.

Language(s) of Instruction
English

Host Institution Course Number
ST115

Host Institution Course Title
MANAGING AND VISUALIZING DATA

Host Institution Course Details
https://www.lse.ac.uk/resources/calendar2023-2024/courseGuides/ST/2023_ST115.htm

Host Institution Campus
LSE

Host Institution Faculty

Host Institution Degree

Host Institution Department
Statistics

Course Last Reviewed

2023-2024

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