COURSE DETAIL

DATA ENGINEERING FOR THE SOCIAL WORLD
Country United Kingdom - England
Host Institution London School of Economics
Program(s) Summer at London School of Economics
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 103
UCEAP Course Suffix S
UCEAP Official Title DATA ENGINEERING FOR THE SOCIAL WORLD
UCEAP Transcript Title DATA ENGINEERING
UCEAP Quarter Units 5.50
UCEAP Semester Units

3.70

Course Description

Data science has unlocked exciting possibilities for social scientists through its diverse toolkit, including big data analysis, visualisation, and machine learning models, enabling them to extract valuable insights from their data. Yet, the success of a data-driven project hinges on data quality. This is where data engineering plays a pivotal role. Professionals must ensure that their acquired data is sufficient and accurate and must be adaptable to handle 'messy data' effectively. A substantial portion of time in data-driven projects (anecdotally 80%) is dedicated to cleaning and pre-processing data, with only 20% said to be devoted to building, evaluating, and deploying machine learning models. Despite the emergence of new AI technologies, which promise to automate many coding tasks, data manipulation is likely to remain an indispensable skill due to the inherent messiness of real-world data. By the end of this course, students will be proficient in producing a website to communicate your collected data and showcase your newly acquired data-wrangling abilities.

Language(s) of Instruction
English

Host Institution Course Number
ME204

Host Institution Course Title
DATA ENGINEERING FOR THE SOCIAL WORLD

Host Institution Course Details
https://www.lse.ac.uk/study-at-lse/summer-schools/summer-school/courses/researc...

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Data Science Institute

Course Last Reviewed
2025-2026

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