COURSE DETAIL

APPLIED GEOGRAPHICAL DATA SCIENCE
Country Singapore
Host Institution National University of Singapore
Program(s) National University of Singapore
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Geography
UCEAP Course Number 118
UCEAP Course Suffix
UCEAP Official Title APPLIED GEOGRAPHICAL DATA SCIENCE
UCEAP Transcript Title APPLD GEOGRPHL DATA
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

Geography increasingly relies on empirical data to understand social and environmental phenomena. This course builds a foundation for applied data analysis, emphasizing the fundamental data science tasks of wrangling, visualization, and analysis. Each of these tasks requires an understanding of quantitative approaches to generate and evaluate hypotheses. The course also covers essential concepts in statistics including expectation, hypothesis testing, and regression. By the end of the course, students will have a strong foundation to analyze multivariate data and communicate findings using open-source programming tools.

Language(s) of Instruction
English

Host Institution Course Number
GE3259

Host Institution Course Title
APPLIED GEOGRAPHICAL DATA SCIENCE

Host Institution Course Details
https://nusmods.com/modules/GE3259/applied-geographical-data-science

Host Institution Campus

Host Institution Faculty
Arts and Social Science

Host Institution Degree

Host Institution Department
Geography

Course Last Reviewed
2022-2023

Print