

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 Campus

Host Institution Faculty

Arts and Social Science

Host Institution Degree

Host Institution Department

Geography

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