COURSE DETAIL

APPLIED DATA ANALYSIS
Country Korea, South
Host Institution Yonsei University
Program(s) Yonsei University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Political Science
UCEAP Course Number 164
UCEAP Course Suffix
UCEAP Official Title APPLIED DATA ANALYSIS
UCEAP Transcript Title APPLIED DATA ANALYS
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course introduces students to the methods and practices by which they can use data to answer questions in political science. It focuses on learning how to collect, manage, and analyze data using computer software and how to effectively communicate results to others. The goal is to understand the core concepts in statistical procedures and causal inference; to learn how to explore and manage data and conduct statistical analysis; and to understand core programming concepts in the R language and apply these concepts to complete in-class activities and problem sets. Topics include Introduction to R and R Studio, Basics of Data Management (Finding and opening data, Understanding data structure; Subsetting), Summarizing Data (Measures of central tendency and dispersion), Data Visualization, Research Design, Probability and Sampling, Confidence Intervals; Hypothesis Testing, Causality and Experimental Analysis, Bivariate Regression, and Multivariate Regression.

Language(s) of Instruction
English

Host Institution Course Number
POL4835

Host Institution Course Title
APPLIED DATA ANALYSIS

Host Institution Course Details
http://ysweb.yonsei.ac.kr:8888/curri120601/curri_pop2.jsp?&hakno=POL4835&bb=01&...

Host Institution Campus

Host Institution Faculty

Host Institution Degree
Host Institution Department Political Science and Diplomacy
Course Last Reviewed 2022-2023

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