COURSE DETAIL

INTRODUCTION TO STATISTICS AND STATISTICAL COMPUTING
Country Singapore
Host Institution National University of Singapore
Program(s) National University of Singapore
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Statistics
UCEAP Course Number 32
UCEAP Course Suffix
UCEAP Official Title INTRODUCTION TO STATISTICS AND STATISTICAL COMPUTING
UCEAP Transcript Title INTRO/STATSTCL COMP
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course introduces basic concepts and methods of statistics as a tool to perform appropriate data analyses. The statistical software R is taught alongside the material to introduce statistical computing. Students learn to load raw data, make numerical and graphical summaries of data, and conduct various estimation and testing procedures. Topics include programming in R, descriptive statistics, concepts of probability, random variables and probability distributions, sampling distribution, statistical estimation, hypothesis testing, linear regression, and applications to real-world problems.

Language(s) of Instruction
English

Host Institution Course Number
ST1131

Host Institution Course Title
INTRODUCTION TO STATISTICS AND STATISTICAL COMPUTING

Host Institution Course Details

Host Institution Campus

Host Institution Faculty
Science

Host Institution Degree

Host Institution Department
Statistics and Data Science

Course Last Reviewed
2022-2023

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