Course Syllabus: Statistical Data Analysis

COURSE INFORMATION	Course title: Statistical Data Analysis Term: 1st Semester 2022-23 Time: T5R5R6 Room: General Building III, 203 Room
INSTRUCTOR	Yu-Jen Cheng

CONTACT INFORMATION

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COURSE PRE-REQUISITES

Calculus

COURSE DESCRIPTION

The course is designed to enable students to apply and interpret the results of a variety of statistical techniques from both descriptive and inferential statistics, including

- introduction to statistics

- data collection and sampling

- statistical software

- random variables and distributions

- central limit theory and law of large number

- random variable generation

- introduction to estimation and hypothesis testing

- linear regression

- categorical data analysis

- introduction to statistical learning

REQUIRED TEXTBOOKS

GRADING POLICY

Your grade will be determined by class participation (10%), a midterm (project) (40%) and a final exam (project) (50%).