COURSE DETAIL

ECOLOGICAL DATA ANALYSIS IN R
Country Taiwan
Host Institution National Taiwan University
Program(s) National Taiwan University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Environmental Studies
UCEAP Course Number 159
UCEAP Course Suffix
UCEAP Official Title ECOLOGICAL DATA ANALYSIS IN R
UCEAP Transcript Title ECOL DATA ANALYSIS
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course teaches the usage of R for the analysis of ecological data. It introduces several different analysis options for biological or ecological data (focusing specifically on community-level data) using the free and open-source statistical, mapping, and graphing platform R. Broad topics covered will include: introduction to R language and basic functions / graphics; basic mapping options; diversity measurement; univariate, multivariate, parametric and non-parametric analysis and their basis; functional diversity; and ecological time series analysis. Students will require a laptop for sessions. Schedule is subject to changes according to student progress.

Language(s) of Instruction
English

Host Institution Course Number
Ocean5098

Host Institution Course Title
ECOLOGICAL DATA ANALYSIS IN R

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Oceanography

Course Last Reviewed
2022-2023

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