COURSE DETAIL

ADVANCED STATISTICS
Country Japan
Host Institution Waseda University
Program(s) Waseda University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Statistics Mathematics
UCEAP Course Number 110
UCEAP Course Suffix
UCEAP Official Title ADVANCED STATISTICS
UCEAP Transcript Title ADVANCED STATISTICS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

Information is a fundamental concept in the world around us that can be investigated from several perspectives. The mathematical theory of information provides a framework for a formal description and interpretation of information. In many ways, this mathematical framework (its applications and the interpretations it provides) is based on concepts from probability theory and statistics. This course provides students with an introduction to the field of information theory. Students will learn to apply and interpret a wide range of concepts from statistics and probability theory to develop, model, and understand the concept of information, as well as related ideas, in a structured and organized way. Many of the tools of statistics and probability theory students encounter in the course should be familiar to them from introductory or intermediate statistics courses, while other concepts might be new.

Language(s) of Instruction
English

Host Institution Course Number
STAX301L

Host Institution Course Title
ADVANCED STATISTICS 01

Host Institution Course Details
https://www.wsl.waseda.jp/syllabus/JAA104.php?pKey=210MI410000120232
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Host Institution Campus
SILS

Host Institution Faculty

Host Institution Degree

Host Institution Department

SILS - Information Science

Course Last Reviewed
2022-2023

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