

COURSE DETAIL

STATISTICS FOR LIBERAL ARTS

Country

Japan

Host Institution

Keio University

Program(s)

Keio University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

112

UCEAP Course Suffix**UCEAP Official Title**

STATISTICS FOR LIBERAL ARTS

UCEAP Transcript Title

STATS FOR LIB ARTS

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

This course teaches liberal arts students to understand the basic notions of probability theory and statistics, and to be able to comprehend the meaning of an elementary statistical analysis. While some mathematics is unavoidable to handle probabilities and statistics, the course focuses on comprehending simple analyses concerning randomness, subjective and objective probabilities, parameter estimation, confidence. After a short introduction of elementary probability theory, the most important discrete and continuous distributions, the law of large numbers and the central limit theorem, it discusses the basics of statistics, parameter estimation, confidence, and Bayesian statistics.

Language(s) of Instruction

English

Host Institution Course Number

N/A

Host Institution Course Title

INTRODUCTION TO PROBABILITY AND STATISTICS FOR LIBERAL ARTS

Host Institution Course Details

<https://gslbs.keio.jp/pub-syllabus/detail?ttblyr=2025&entno=19696&lang=en>

Host Institution Campus

Keio University

Host Institution Faculty

Host Institution Degree

Host Institution Department

International Center

Course Last Reviewed

2025-2026

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