| Course Title 科目名 | Japanese Business Statistics A 日本のビジネス統計A | | | Instructor 担当者 | HASHIMOTO, Syo 橋本　翔 | | |
|---|---|---|---|---|---|---|---|
| Semester 学期 | FALL 2024 | Course Level 履修年次 | N/A | Credits 単位 | 2 | hrs/wks 時間数/週 | 2 |

**【Course Objectives: 授業の到達目標】**

Understand and apply basic to intermediate statistical techniques.
Analyze business data from Japanese companies.
Interpret statistical results within the cultural and economic context of Japan.
Develop skills in using statistical software for business analysis.

**【Course Summary: 授業の概要】**

This course introduces students to the statistical techniques used in the analysis of Japanese business data and some japanese words or phrase in statistics. It covers various statistical methods, their application in Japanese market analysis, consumer behavior, economic forecasting, and R programming. The course will also explore the influence of Japanese culture on data interpretation and business decision-making.

**【Study Required outside Class (Preparation etc): 事前・事後学習】**

A reasonable amount of post-study is required for proficiency in analysis.

**【Class Outline: 授業計画（各回の授業内容）】**

| | |
|---|---|
| Session 1 | Guidance, Introduction & Installing of R and R Studio |
| Session 2 | Descriptive Statistics in Business |
| Session 3 | Probability Concepts in Market Analysis |
| Session 4 | Inferential Statistics – Estimation |
| Session 5 | Hypothesis Testing |
| Session 6 | Regression Analysis |
| Session 7 | Time Series Analysis and Forecasting |
| Session 8 | Multivariate Analysis (1) |
| Session 9 | Multivariate Analysis (2) |
| Session 10 | Multivariate Analysis (3) |
| Session 11 | Multivariate Analysis (4) |
| Session 12 | Text Analysis |
| Session 13 | Data Visualization |
| Session 14 | Final Examination |

**【Textbooks, Course Materials: 教科書、参考書等】**

Textbooks are introduced on a case-by-case basis.

**【Grading Criteria: 成績評価の方法】**

Grading will be based on attendance (20%), class discussions (10%), and the final exam (70%)

**【Note: 履修上の注意】**

An understanding of the lectures necessitates a solid foundation in basic statistics and mathematics, as well as proficient reading skills for interpreting numerical equations.