

科目コード/科目名 (Course Code / Course Title)	Introduction to Statistics 1		
テーマ/サブタイトル等 (Theme / Subtitle)	Descriptive Statistics		
担当者名 (Instructor)	山口 和範 (YAMAGUCHI KAZUNORI)		
学期 (Semester)	春学期他 (Spring Others)	単位 (Credit)	2 単位 (2 Credits)
科目ナンバリング (Course Number)	CMP2221	言語 (Language)	英語 (English)
備考 (Notes)	<ul style="list-style-type: none"> ・オンデマンド授業 ・TOEIC®550点相当以上の英語力を有していることを前提に授業を実施する 		

授業の目標 (Course Objectives)

This class is an introductory course that assumes no prior knowledge of statistics. Basic statistical concepts and methods are presented in a manner that emphasizes understanding the principles of data collection and analysis rather than theory. Much of the course will be devoted to discussions of how statistics is commonly used in the real world. The primary goal of the course is to help students understand how the process of problem solving using data, collecting data relevant to that problem, analyzing data, and interpreting data can help them find answers to real problems from their world.

授業の内容 (Course Contents)

The following contents will be studied; frequency table, making statistical graphs, basic statistics as mean and variance, correlation and causation, analysis of variance and so on.

授業計画 (Course Schedule)

1. Role of statistics
2. Data collection and Variables
3. Frequency table and histogram
4. Statistical Graphs
5. Distributions
6. Mean, mode and median
7. Variance
8. Comparison of distributions
9. Relationship between two variables
10. Cross tables
11. Association between categorical variables
12. Correlation and scatter plot
13. Regression analysis
14. Confounding

授業時間外 (予習・復習等) の学習 (Study Required Outside of Class)

Assignments will be provided at each class.

成績評価方法・基準 (Evaluation)

Quiz (70%) / Report (30%)

【変更前】筆記試験 (Written Exam) 60%, 平常点 (In-class Points) 40% (Assignments 40%)

テキスト (Textbooks)

None

参考文献 (Readings)

その他 (HP等) (Others (e. g. HP))

This class is e-learning course on the Blackboard.

