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| 科目区分 | 学部演習 |
| 科目名 | 統計分析入門 |
| 曜日・講時 | 前期 火曜日 4講時 |
| 単位数 | 2 |
| 担当教員 | 他 |
| 実務・実践的授業 ※〇は、実務・実践的授業であることを示す。 | |
| 授業形態 | 演習 |
| 週間授業回数 | 1回毎週 |
| 配当学年 | 2,3,4年 |
| 対象学年 | – |
| 科目ナンバリング | – |
| 使用言語 | |

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| 連絡方法とクラスコード | Class: Join Zoom Meeting (please use your name on student ID when you enter)<br>https://zoom.us/j/96322606796?pwd=Sk9lZmcwQ2VUazhmT2hxcWJQc3k3QT09<br>Meeting ID: 963 2260 6796<br>Passcode: 125401<br><br>Office hour: right after the class or by appointment<br>General contact: mayukonuki@gmail.com |
| 初回授業日等 | April 13th, Tuesday, 4th period (14:40-16:10) |
| 授業題目 | Introduction to Statistical Analysis |
| 授業の目的と概要 | This course teaches students statistics and skills that are essential for quantitative analysis in social sciences, starting from working with raw data to interpreting statistical findings. We will use R to analyze various datasets using the methods covered in the class. |
| 学修の到達目標 | Students will understand key statistical concepts and be able to conduct basic statistical analyses using statistical software (R). |
| 授業内容・方法と進度予定 | This course is offered online in real-time.<br>Class announcements and materials will be provided in Google Classroom.<br><br>Class schedule (tentative):<br>1. Introduction<br>2. Data management using statistical software<br>3. Descriptive statistics<br>4. Inferential statistics<br>5. Hypothesis testing and t-test<br>6. Analysis of variance<br>7. Chi-squared test<br>8. Correlation<br>9. Simple regression<br>10. Multiple regression<br>11. Interaction<br>12. Scale reduction<br>13. Power<br>14. Student presentations<br>15. Conclusion |
| 成績評価方法 | 20% Class participation<br>40% Homework exercise<br>40% Final report (including presentation) |

| 教科書および参考書 | No specific textbook is required for this class. Lecture handouts will be provided in each class.<br><br>References (TBA):<br>Imai, K. (2018). Quantitative social science: An introduction. Princeton University Press. |
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| 授業時間外学修 | Homework (1 hr on average)<br>Work toward final report and presentation |
| その他 | Please download and install the latest versions of R and R studio, available at the following websites:<br>https://www.r-project.org/<br>https://www.rstudio.com/ |
| 更新日付 | 2021/04/01 14:44 |
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