

授業科目名 : Method and Application of Data Analysis			担当教員名 : Kentaro Hirose
選択必修 : Elective	単位数 : 2	セメスター : 1 Fall	開講言語 : English
ディプロマポリシーとの関連			
国際社会の知識	政策分析能力	英語コミュニケーション能力	
	●	●	
○授業の到達目標及びテーマ To learn how to think scientifically through data analysis.			
○授業の概要 Data analysis is becoming increasingly important in various disciplines. In this course, students will learn how to think scientifically through data analysis. The course will introduce examples of data analysis in political science. We will use R, one of the most widely used statistical packages, throughout the course.			
[IMPORTANT]			
<ul style="list-style-type: none"> - Please send an email to me (khirose@unii.ac.jp) at the latest two days before the first class if you are planning to take this course. - If I do not receive an email from you, I will assume that you will not take this course. If you did not participate in the first class but want to take this course during the changing registration period, please send me an email in advance. - You are required to bring a laptop computer to class. 			
○授業の方法 Students are expected to conduct data analysis in class after each lecture.			
○授業計画 The specific schedule will be determined based on the interests and experiences of the participants in this course. For example, 1. Introduction 2. How to Use R 3-7. Descriptive Statistics, Visualization 8-14. Regression Analysis (OLS, Estimation Uncertainty) 15. Wrap-up			
○テキスト Slides will be posted online.			
○参考書・参考資料等 For causal inference: — Gary King, Robert O. Keohane, and Sidney Verba, <i>Designing Social Inquiry</i> . For data analysis with R: — Kosuke Imai, <i>Quantitative Social Science: An Introduction</i> .			

For regression models:

— Jeffrey M. Wooldridge, *Introductory Econometrics*.

○学生に対する評価

Class participation and discussion (20%)

Assignments (80%)

○オンライン授業に切り替えた場合の授業形態

Class format : Online class (Real-time delivery)

Location of class materials, notices, and correspondence information: manaba folio