

Seminar: Economics of Human Resource Allocation
2023

Instructor: Katsuya Takii:

- If you are interested in me, please take a look at
 1. <https://www.osipp.osaka-u.ac.jp/en/osipp-faculty/takii-katsuya/>
 2. <http://www2.osipp.osaka-u.ac.jp/~takii/>

email: takii@osipp.osaka-u.ac.jp.

Time: 16:50-18:20 on Tuesday. (We can change if all participants agree.)

Location: Zoom and Seminar Room D

Office Hours: Make an appointment by e-mail.

Prerequisite:

1. Microeconomic Theory, Macroeconomic Theory, and Econometric Methods, Advanced Econometric Methods (Equivalent other courses are acceptable.) In particular, we assume that students have enough knowledge of microeconomic theory and econometrics to understand the contents of the textbook.
2. Students are prepared to install R and R studio before attending the seminar.
 - (a) <https://www.jaysong.net/RBook/installation.html>
3. The basic knowledge of R program is helpful.

Purpose: This seminar is designed for the second year students or Ph.D. students who are interested in writing papers in this field. Students can improve four different skills: (1) a basic skill to analyze in this field, (2) the skill to improve the ability to organize their thought and (3) the skill to deliver their idea to other people.

Contents:

1. Students must present and discuss "Learning Microeconometrics with R" by Christopher P. Adams this year.
 - (a) <https://sites.google.com/view/microeconometricswithr>
 - (b) Tidyverse style: http://iangow.me/lmwr_tidy/
 - (c) Python: https://github.com/amc-econ/learning_microeconometrics_with_python
2. The presentation must include
 - (a) Brief review of the theories: econometrics and microeconomics.
 - (b) The relevant R code will be explained with an execution demonstration.
 - R-Markdown is useful for this presentation.
 - <https://www.jaysong.net/RBook/rmarkdown.html>
3. All students should replicate the R-code in the textbook and report it.

Plan:

1. Introduction
2. Statistical Programming in R
3. Measuring Uncertainty
4. Ordinary Least Squares

5. Multiple Regression
6. Instrumental Variables
7. Bounds Estimation
8. Estimating Demand
9. Estimating Selection Models
10. Demand Estimation with IV
11. Estimating Games
12. Estimating Auction Models
13. Panel Data
14. Synthetic Controls
15. Mixture Models

Grading Policy:

<i>Item</i>	<i>points</i>	<i>times</i>	<i>Total sum</i>
<i>Attendance in this lecture</i>	1	15	15
<i>Presentation in this lecture</i>	?	?	[0, 57]
<i>R – code</i>	[0, 2]	14	[0, 28]

The presentations at this lecture are evaluated by 6 ranks: *S*, *A*, *B*, *C*, *D* and *E*. The following is the standard of evaluation.

- Presentation in this lecture

1. *E*...Almost no preparations.
2. *D*...Incomplete and the lack of comprehensiveness.
3. *C*. The presenter might understand the contents, but audiences cannot understand it at all.
4. *B*....The audience can understand what the presenter tries to say. However, the significance and logic of the paper is not clear. (If the presenter thinks that the method is not proper, his/her view must be clear.)
5. *A*...The audience can perfectly understand the significance and logic of the paper.
6. *S*. Beyond the comprehensiveness of presentation, the presenter can entertain the audience.

Option: In addition to attending this seminar, students are invited to present their own paper or the recent theoretical or empirical papers related to the human resource allocation in several fields at the workshop on the economics of human resource allocation (<https://sites.google.com/site/jinzaihaichinokeizaigaku/>). Potential fields cover corporate governance, political election, bureaucracy, internal and external labor market, school choice, marriage market and so on.