

## Research Methods in Political Science I – Assignment 1

**Due: 9am on 14 October 2015 (JST)**

How to submit: Answer **in the body of an email** (Don't send any attachments)

Subject of the email: "Research Methods 1, Assignment 1"

I. Answer the following question

1. What is your student ID number?
2. Which year are you in? (3rd → 3, 1st in master → M1, 1st in doctor → D1, etc.)
3. Choose the field you are most interested in from the following list: Comparative Politics, International Relations, Quantitative Methods, Formal Theory, Legal Studies, Economics, Sociology, other (write your own answer).
4. Which describes you the best? Choose the largest number if more than one do.
  - (1) I've never studied statistics. (What is statistics?)
  - (2) I've studied statistics before but don't remember the content.
  - (3) I can calculate basic statistics, such as standard deviation, variance, or coefficient of correlation.
  - (4) I can explain how OLS works.
  - (5) I understand  $(\mathbf{X}^T \mathbf{X})^{-1} \mathbf{X}^T \mathbf{y}$ .
  - (6) I can explain how MLE works.
  - (7) I've mastered the secrets of statistics. Ask me anything!
5. What operating system do you usually use?
  - (1) OS X

- (2) Macintosh before OS X
  - (3) UNIX or Linux (which flavor?)
  - (4) other
6. Which describes you the best? Choose the largest number.
- (1) I've never touched a computer.
  - (2) All I do with computers is surf the internet.
  - (3) I can use Microsoft Word (or some other word processing software).
  - (4) I can use spreadsheet software such as MS Excel.
  - (5) I can explain what filename extension is.
  - (6) I've used statistical software products (SPSS, Stata, R, etc.) before.
  - (7) I can write some commands or scripts to conduct statistical analyses.
  - (8) Of course, I manage all my files using the command line interface.
  - (9) I have my own computer server.
  - (10) I'm a hacker.
  - (11) People call me a guru.
7. Have you ever used Python? Yes = 1, No = 2

II. Write an R command to create a vector containing your answers and name the vector "hw01\_NAME". You must replace NAME with your name.

E.g., `hw01_YukiYanai <- c('012345', 3, 'Philosophy', 4, 1, 5, 1)`

Hint : After typing your command in R, type `length(hw01_NAME)` and check if the length matches the number of questions

III. Send your command by email.