

Dear students,

Below is the information about the final exam. Try to read it carefully to avoid any mistakes:

1/ Exam dates and time:

- Exam 1: 20 December (9:10 – 11:10, register at [LINK 1](#) ends by 23:59 on 18 December);
- Exam 2: 10 January (9:10 – 11:10, register at [LINK 2](#) ends by 23:59 on 8 January);
- Exam 3: 17 January (9:10 – 11:10, register at [LINK 3](#) ends by 23:59 on 15 January);
- Exam 4: 24 January (9:10 – 11:10, register at [LINK 4](#) ends by 23:59 on 22 January);

2/ Exam structure:

- Final exam will account for 40% of the total grade;
- Final exam will last for 2 hours;
- Final exam will be structured with MCQ (30 pts = 10 * 3pts), Theoretical questions (choose 2 out of 4 questions, 30 pts = 15 * 2pts), and Practice Exercises (40 pts);
- Final exam covers all contents from Lecture 1 to the final lecture of week 13 December;
- You are allowed to bring ONE A4 (2-sided) cheat sheet with HANDWRITTEN notes to use in the final exam;
- You are suggested to bring a calculator to use in the final exam;

3/ Theoretical topics to review:

- OLS classical assumptions (name, detailed explanation);
- 4 criteria to choose a variable in the model;
- Dummy variables (types, model, interpretation);
- Omitted variable and irrelevant variables (issues explanation, consequences, remedies);
- Multicollinearity and heteroskedasticity (issues explanation, consequences, tests to detect, remedies);
- Autocorrelation (issues explanation, consequences, tests to detect, remedies);
- Endogeneity (issues explanation, consequences, causes, remedies);
- Binary dependent variable model (up to slides 16)

4/ Practice exercises to review:

- Write down the model, numeric model with regression output provided;
- Interpret coefficients in multiple functional forms;
- Interpret coefficients of dummy;
- Interpret coefficient of determination (R-squared);
- Perform different types of tests (all tests can be asked, no exception) and interpret the result of accept or reject H_0 ;
- Discussion about the impact of omitted variables (conduct omitted variable bias OVB);
- Discussion about the impact of heteroskedasticity with appropriate tests might be asked;
- Discussion about the impact of autocorrelation with appropriate tests might be asked;
- Some calculation with given values of explanatory variables.

Should you have any questions, feel free to send me an email.