Syllabus

IS2503-01: Global Data Analysis for Economics and Business I

Fall 2017

Friday 09:00~11:45am, Room 103 and Computer lab.

Instructor

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Office Hours:	Mon/Wed 10:30~11:45am at Room 317 at the bldg. of International Studies or by appointment

Teaching Assistant

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Course webpage

Class materials, announcements, and weekly letters will be posted on the KLAS website (http://klas.khu.ac.kr).

Textbooks

(a) Required text:
Introductory Econometrics: A Modern Approach, 5th
Jeffrey M. Wooldridge, South-Western, ISBN-10: 1-111-53104-8

(b) Reference materials:
STATA tutorials and case studies will be uploaded on the KLAS website.

- *Basic regressions/STATA materials are on the KLAS.*

Materials of case studies will be uploaded on the KLAS before 10/13. For Graduate students, materials will be sent to them via emails directly.

Course Objective and Description

This course aims to provide basic understanding of the data and to enhance the competence and practical skill in various data analysis using statistical packages such as R, STATA, and SAS. The preliminary course is Statistics for Social Science. During the semester, there will be data analysis projects using STATA.

By the end of this course, students will be able to:

(a) understand base econometric concepts such as t-test, multiple regressions,
(b) understand various data types in economics/business/other social science field,
(c) utilize statistical software (STATA) for data management,
(d) build empirical model, test hypotheses, and obtain empirical results for research project.

Prerequisites

This course focuses on data management skills and basic regressions. Students who have taken Statistical for Social Science course successfully and have interests in data analysis related career are welcome. After successful completion of this course, students are advised to take 'Global Data Analysis for Economics and Business II' and 'Econometrics.'

You must be familiar with mathematical tools such as

- Lots of graphs/tables
- Spreadsheets like Excel
- Algebra
- **Derivatives**
- **Matric algebra**

Expectations

I expect that students attend most lectures and computer lab activities. I will check attendance TWO times: 9:00 and 10:30am. There should be no disappearance without a word after calling attendance.
Before computer lab activities, I expect that students already PREVIEW/PRACTICE materials which are given one-week before. Your TA will assist computer lab activities.

For weekly lecture notices, please check the KLAS website.
You are responsible to read/understand KLAS notices.

Evaluation

Grading

10%	Attendances	Check attendances TWO times (9:00am, 10:30am)
25%	Test 1	Test your understandings of basic regression theory and STATA codes
10%	Test 2	Test your understandings of data analysis case studies
25%	Assignments	Check your understandings of lab activities
30%	Research project	Problem-solving tasks: Presentation + Final report

Assignments?

You should obtain data management/analysis skills by practicing! I will give you a quest during computer lab activities and submit your own file on that day. So, you should practice/understand STATA codes beforehand.

Research project?

For Undergraduates,
Research project should be conducted as group works. Each group consists of three~four

students.
For MA/Ph.D students,
MA students can conduct research project as a form of group or individually.
Ph.D students should conduct research project individually.

You should do the followings.

1. Find your own data from websites and so on.
2. Introduce your own data in front of colleagues for **10-min**!
3. Present research hypotheses and empirical models in front of colleagues for **10-min**!
4. Show empirical results in front of colleagues for **10-min**!
5. **Submit final report.**

In presentations, I will give you feedback and check the level of preparation (The level of grades will be A+, A, B+, B, and Etc). The final presentation will be also evaluated by other students. You also evaluate your group members when submitting the final report. The final report will be also graded.

Exams?
You should know basic regression theory! The first test will be conducted for checking your understanding regression theory.
I will introduce several data analysis cases including firm-level and country-level data. The second test will check your understanding of those case studies.

Important Class Policies

Attendance
I will check attendances TWO times (9:00am, 10:30am) for a day.

(1) Attendance will be checked in the beginning or middle of the class.
(2) THREE LATE attendances are considered as ONE no attendance.
(3) Students who disappear right after call will be considered as NO attendance. During Q&A activities, if I find out that a student questioned is NOT present, he or she will be considered as no attendance. It also applies to students who went out for a moment. Students who want to go out the classroom for a moment MUST use the FRONT door, write down their excuses on a note, and pass it to me.
(4) Attendance scores: I allow THREE absences during the semester. Please use the THREE chances wisely.

Scores	10pts	9pts	8pts	7pts	6pts	5pts	4pts
# absences	0~2	3	4	5	6	7	8

F will be given to students who are absent more than 10 times.

(5) I do not accept 협조전 or other excuses such as "on sick leave." Instead, you have THREE allowed absences.

Disruptive behaviors
Laptops should not be open in class. They are distracting to those around you.
Cell phones should be silenced or in vibrate mode: preferably off.
Texting during the lecture should be kept to an absolute minimum.

First time = will be asked to leave a classroom.
Second time = 5 points off your final grade
Third time = fail

Email
Please see *Email etiquette.*

Exams
There are no make-up exams. If you miss a midterm you must contact me at least two weeks before the exam. Please be prepared to provide documentation to support your excuse. If you do not have an appropriate, documented excuse for an exam you will receive a zero for that exam.

Assignments
You can discuss your assignment with other students, but you must submit your own material. You may have similar answers to someone else, but you should not copy others. Copied assignments will receive a score of zero. Please refer to *Academic Integrity*.

Accommodations for students with disabilities
I am available to discuss appropriate academic accommodations that may be required for student with disabilities. Requests for academic accommodations are to be made during the first three weeks of the semester, except for unusual circumstances, so arrangements can be made.

Academic Integrity
Each student in this course is expected to abide by the Kyung Hee University Code of Academic Integrity. Any work submitted by a student in this course for academic credit will be the student's own work.
You are encouraged to study together and to discuss information and concepts covered in lecture and the sections with other students. You can give "consulting" help to or receive "consulting" help from such students. However, this permissible cooperation should never involve one student having possession of a copy of all or part of work done by someone else, in the form of an e-mail, an e-mail attachment file, a USB, or a hard copy.
Should copying occur, both the student who copied work from another student and the student who gave material to be copied will both automatically receive a zero for the assignment. Penalty for violation of this Code can also be extended to include failure of the course and University disciplinary action.
During examinations, you must do your own work. Talking or discussion is not permitted during the examinations, nor may you compare papers, copy from others, or collaborate in any way. Any collaborative behavior during the examinations will result in failure of the exam, and may lead to failure of the course and University disciplinary action.

Disclaimer
This syllabus is a living document and subject to revision. Whenever the syllabus is revised it will be posted to the KLAS and an email will be sent to all class participants informing them of the posting and indicating what has been revised. This version of the syllabus was generated on August 30, 2017.

Tentative Course Schedule: (May change to accommodate guest presenters & student needs, Sep. 1, 2017)

Week #	**Date**	**Lectures (103)**	**Computer Lab Activities**	**Assignments & Group activities**
Week 1	9/1	Orientation		
Week 2	9/8	Basic Regressions 1	Preparing STATA lectures (Software Installation)	Preview Introduction to STATA files
Week 3	9/15	Basic Regressions 2	Introduction to STATA	Submit Data files 1 / Preview Data management with STATA
Week 4	9/22	Basic Regressions 3	Data Management / Merging Data Files	Submit Data files 2 / Preview Regression with STATA
Week 5	9/29	TBA	Practicing Regressions	Submit Regression output files
Week 6	10/6	Korean Thanksgiving Day		
Week 7	10/13	TBA		
Week 8	10/20	Test 1: Regressions and STATA		Preview Example 1
Week 9	10/27	Data analysis Case 1	Practicing case studies	Submit case 1 results / Preview Example 2
Week 10	11/3	Data analysis Case 2	Practicing case studies	Submit case 2 results / Preview Example 3
Week 11	11/10	Data analysis Case 3	Practicing case studies	Submit case 3 results
Week 12	11/17	Test 2: Case studies		
Week 13	11/24	Presentation: Your data introduction	Understanding group works/Providing feedback	Group research
Week 14	12/1	Presentation: Building your own models	Understanding group works/Providing feedback	Group research
Week 15	12/8	Presentation: Results	Understanding group works/Providing feedback	Group research
Week 16	12/15	Final Exam Period		Submit group research project report

- Basic regressions/STATA materials are on the KLAS.
- Materials of case studies will be uploaded on the KLAS before 10/13.
- There will be one or two guest speakers' seminars.
- Case studies will involve firm-level and country-level data.