DATA ANALYSIS BOOT CAMP

ESL – 2023/2024

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CORE/LIDAM, UCLouvain

Organization

- **Mandatory for all** newcomers at ESL masters (+ redoers from last year)
- **Attendance mandatory, first session in S3**

- **2 Groups:** MRes (MA) students (Tuesday) + MSc students (Wednesday)
- 5 modules of 3h (2h Theory + 1h Practice)

- 2 instructors + 1 TA (me)

- **Assignment** to be submitted by **mid-December** (TBD, pass or fail)

Schedule – Group 1: Professional

(ECON2M1 / ECON2MS/G / ECON2MD)

Session	Date	Time (Theory)	Time (Practice)	Location
1	Wednesday, 04/10/23	14h00 - 16h00	16h00 - 17h00	DOYE 3-4
2	Wednesday, 11/10/23	14h00 - 16h00	16h00 - 17h00	DOYE 3-4
3	Wednesday, 25/10/23	14h00 - 16h00	16h00 - 17h00	DOYE 3-4
4	Wednesday, 08/11/23	14h00 - 16h00	16h00 - 17h00	DOYE 3-4
5*	Wednesday, 15/11/23	14h00 - 16h00	16h00 - 17h00	DOYE 3-4

* **Note:** Session 5 on Wednesday, 15/11/23 will be devoted to "**Output Export to Word**."

Schedule – Group 2: Research

(ECON2MA / ETRI2MA / QEM2)

Session	Date	Time (Theory)	Time (Practice)	Location
1	Tuesday, 03/10/23	14h00 - 16h00	16h00 - 17h00	DOYE 3-4
2	Tuesday, 10/10/23	14h00 - 16h00	16h00 - 17h00	DOYE 3-4
3	Tuesday, 17/10/23	14h00 - 16h00	16h00 - 17h00	DOYE 3-4
4	Tuesday, 24/10/23	14h00 - 16h00	16h00 - 17h00	DOYE 3-4
5*	Tuesday, 31/10/23	14h00 - 16h00	16h00 - 17h00	DOYE 3-4

* **Note:** Session 5 on Wednesday, 15/11/23 will be devoted to "**LaTeX training.**"

Adding value to your Master's program

- 2 of the **most popular statistics softwares** for economists: **Stata and R**
  - How to import, manage, and export data
  - Perform statistical analyses in practice and graphs
  - "Introduction to code"

- For **MRes (MA) students**: Introduction to LaTeX in last session

- For **MSc students:** Last session devoted on how to export results to Word

- Useful for **coursework** in other classes and **thesis**

Adding value to your career as an economist

- **Economics** becomes increasingly **data driven**
  - Amount of data gets abundant
  - Insights can be tested faster

- Improves **employability**
  - Employers value candidates with strong data analysis skills
  - Become **more competitive on the job market**: academia, government, industry

- Enhances **statistical literacy** and **problem-solving skills**

What is expected from you

- **Be there and on time** (schedule available on Moodle or the ESL website)
- **Participate and ask questions**

- **Basic interest and elementary knowledge in statistics**
- **Willigness to learn:** new coding languages
- Ability to log-in to a university computer

- **Submit assigment** by mid-December (TBD, pass or fail)

Assignment

- **Deadline:** mid-December (TBD)

- Must be **uploaded on Moodle**

- **Grade:** Pass or fail

- Must be done **independently** (no group work)

- Can be done **either with R or with Stata (no Excel)**
  - Similar to the exercises seen in Practice sessions: Need to analyse a dataset

Questions?

Moodle

ESL Website

Contact

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Summary

- **When?** S3, Tuesday (MRes) or Wednesday (MSc)
- **Where?** UCLouvain computer labs (see schedule)
- **Attendance?** Mandatory

- **Further info?** See Moodle or ESL Website

- **Assignment?** Like an exercise, to be solved individually
- **Deadline?** Mid-December, TBD
- **Grade?** Pass or Fail