



*Data Analytics for Social Sciences (Gr.Rel.Intern.-15) Geopolitics & Global Business*  
*Guía docente 2025-26*

## PRESENTATION

- **Degree:** International Relations, Geopolitics & Diplomacy
- **Subject:** Data Analytics for Social Sciences
- **ECTS:** 3
- **Course, semester:** 1º course, 1º semester
- **Mandatory / Elective:** Mandatory
- **Professor:** Jef Schroder Aubert (jschroderau@external.unav.es)
- **Language:** English
- **Classroom:** Thursday, 12:00-14:00, Room B2 AMIGOS

## COMPETENCES

- Recognize the value of data in social sciences and international relations.
- Identify, collect, and evaluate relevant data sources.
- Use descriptive statistics and visualizations to interpret and present data.
- Communicate insights effectively through data storytelling.
- Understand basic concepts of inference, models, and algorithms.
- Discuss the role of big data and AI, including ethical implications.
- Apply concepts to real-world case studies with a critical perspective.

## PROGRAM

1. The power of data
2. Data collection and Information sources.
3. Descriptive statistics and data visualization. Storytelling with data
4. Notions of statistical inference and models/algorithms.
5. The role of bigdata and AI in International Relations; ethical issues.
6. Case studies.

## LEARNING ACTIVITIES

Lectures (26 hours): theoretical and practical classes. Students are expected to take notes and use material made available through ADI.

Group assignment (15 hours). Students are required to apply the knowledge and tools learned during the lectures.

Individual assignments (8 hours)

Personal study and teamwork: Study of the theory, solution of problem sets, group assignment, and clarifications during office hours (35 hours).

Evaluation: Tests/Exercises (2 hours), and Final Project (2 hours).

## EVALUATION

Final mark will be based on:

## ORDINARY CALL



# Universidad de Navarra

- Individual assignments: 10%
- Descriptive analytics project: 25%
- Midterm exam: 15%
- Final Project: 50%

## EXTRAORDINARY CALL

- Individual Project: 100%

## APPOINTMENTS

José Schroder Aubert

Office hours:

- By appointment via email ([jschroderau@external.unav.es](mailto:jschroderau@external.unav.es))

## BIBLIOGRAPHY

- Lind, D.A., Marchal, W.C., Wathen, S.A., (2015), "Statistical Techniques in Business and Economics", McGraw Hill, 16ª edición [Localiza el libro en la biblioteca](#)