

# COURSE DETAIL

## INTRODUCTION TO ECONOMETRICS USING R

**Country**

France

**Host Institution**

Sciences Po Reims

**Program(s)**

Sciences Po Reims

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Economics

**UCEAP Course Number**

120

**UCEAP Course Suffix****UCEAP Official Title**

INTRODUCTION TO ECONOMETRICS USING R

**UCEAP Transcript Title**

INTRO ECONOMETRICS

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course teaches the fundamentals of econometrics, in particular regression analysis and statistical inference. It purposefully starts at a level that assumes no prior knowledge of statistics, econometrics, or programming. The objective is to understand and interpret simple and multiple linear regressions and detect whether an analysis uncovers correlations or causality. The course does not rely on advanced math; rather it uses practical learning to teach the main concepts. Moreover, it introduces how to use R, a very powerful and widely used programming language, to perform data cleaning and undertake statistical analyses. By the end of the course, students carry out small-scale research projects using real-world data and regression analysis to reveal associations between various variables.

## Language(s) of Instruction

English

## Host Institution Course Number

BMET 27A33

## Host Institution Course Title

INTRODUCTION TO ECONOMETRICS USING R

## Host Institution Course Details

[https://syllabus.sciencespo.fr/en/?mapping%2F177993=#\\_ga=2.149922292.330035289...](https://syllabus.sciencespo.fr/en/?mapping%2F177993=#_ga=2.149922292.330035289...)

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Methodology

## Course Last Reviewed

2022-2023

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