UNIVERSITÀ
DI TORINO

**ID**

***VP135_ESOMAS***

# Visiting Professor Program
# Academic Year 2024/2025

**TEACHING COMMITMENT:** **16 hours**

**COURSE TITLE**

**Empirical Tools for Managers**

**TEACHING PERIOD**

1st term

**SCIENTIFIC AREA**

Statistics

**LANGUAGE USED TO TEACH**

Italian

**COURSE SUMMARY**

This class contributes to the overall objectives of the degree and in particular to the objective of training graduates with a multidisciplinary approach in the areas of macro and microeconomics, quantitative skills and management studies.

Further, this class focuses on analysing empirical data in the international context and therefore is aligned with the overall degree's objective of training graduates able to act in the the international scenario.

The class's specific objectives include:

- Become proficient in data analysis and its applications to business, economics and policy.
- Equip students with the most important tools, methods and skills for data analysis, with a strong focus on case studies and real-life examples.
- Learn the most widely used statistical and econometric methods to perform exploratory data analysis, data visualization, hypothesis testing and basic regression analysis.

- Apply the theoretical concepts learned to real-life data and case studies, which will provide students with the opportunity to apply the tools and methods learnt in the course.

## LEARNING OBJECTIVES

1.Knowledge and Understanding:
At the end of the class, students will be able to have a good understanding of the most important statistical concepts and their application using STATA. This knowledge will provide a basis for originality in developing and/or applying ideas, within a research context (as requested in Assessment 3)
2. Applying knowledge and understanding:
At the end of the course, students can apply their knowledge and understanding of statistical data analysis (e.g. data exploration and description; hypothesis testing; regression analysis, etc), and problem solving abilities in new or unfamiliar environments with in broader (or multidisciplinary) contexts related to their field of study. This is also requested in Assessment 3.
3. Making judgements:
At the end of this class, students will have the ability to integrate their statistical knowledge and handle complexity, and formulate judgements with incomplete or limited information, but that include reflecting on social and ethical responsibilities linked to the application of their knowledge and judgements (e.g. data manipulation; sample construction; generalisation of findings etc)
4. Communication Skills:
At the end of this class, students can communicate their conclusions related to data analysis and hypothesis testing, and the knowledge and rationale underpinning these, to specialist and non-specialist audiences clearly and unambiguously, as requested in Assessment 2 and 3.
5. Learning skills:
At the end of this course, students will have developed those learning skills that are necessary for them to continue to undertake further study in the field of statistics and data analysis with a high degree of autonomy. They will also be able to learn more complex data analysis techniques, based on the knowledge acquired with this class.
The class will be based on the analysis of case studies using data and therefore students will work on their personal laptops analysing data with the statistical software Stata every week in class.

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## VISITING PROFESSOR PROFILE

The VP will have relevant expertise in empirical data analysis using Stata and will be familiar with analysing data in the context of business and economics.
Additional expertise in data analysis in the field of labour market and policy evaluation is desirable.

## CONTACT REFERENT

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