UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Economic Statistics I

2425-1-E4101B008

Learning objectives

The Economic Statistics course presents the main methods and tools for the statistical representation of the economic system. Concepts will be introduced, starting with those of value added, GDP, inflation (deflation and disinflation) and others necessary for understanding the economy.

Tools on index numbers or concentration indexes will also be presented that are useful for this understanding.

The course will also be an opportunity to show some misinterpretations of economic statistics that may be present in the public debate.

Contents

1. Economic Statistics and National Accounts
2. Economic circuit and intersectorial transactions
3. Index numbers and Consumer price indexes
4. distribution and Inequality measures

Detailed program

- Economic Statistics and National Accounts.

- Main Sources of Economic statistics.

- Classification of economic statistics and associated surveys.

- The Italian economic system: main aggregates and the GDP.

- Index Numbers.

- Laspeyres and Paasche indexes.

- Properties of index numbers.

- Fisher index.

- Chained indexes.

- Consumer price indexes in Italy and Europe.

- Production price indexes and industrial production index .

- Poverty and Inequality measurement: introduction and definition according to World Bank.

- Inequality measurement and fgures in Italy and Europe.

- Poverty measures and figures in Italy and Europe.

Prerequisites

None

Teaching methods

Up-front lessons, largely complemented by the analysis of official statistics and economic debate on the topic.

Assessment methods

Written exam.

Textbooks and Reading Materials

- compendio di statistica economica, edizioni simone.

- Methodological manuals by ISTAT.

you may also consider : - Enrico Giovannini, 2015, Le Statistiche Economiche, second edition, Il Mulino.

Extra reading among :

1. Darrel Huff : mentire con le statistiche
2. G.J. Jones : mentire con i grafici
3. Daniel Levitin : a field guide to lies in statistics
4. Campbell : flaws and fallacies in statistical thinking
5. Reinhardt : statistics done wrong
6. Blasland and Dilnot : the tiger that is not.

Semester

First Semester.

Teaching language

Italian

Sustainable Development Goals