UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Statistic Applications For Tourism

2122-1-F7601M075-F7601M066M

Learning objectives

The course aims to provide important statistical tools useful for solving problems related to time series components of tourism demand and autocorrelation in tourism time series.

Contents

Study of components of the tourism demand.

Stochastic processes and autocorrelation functions.

Detailed program

Study of the components of the medium to long term (trend-cycle) and short term (seasonality) tourism demand.

Moving averages and applications in the field of tourism.

Stochastic processes: definitions, properties and examples.

Global and partial autocorrelation functions and corresponding estimators.

Hypothesis testing with the autocorrelation functions and examples of application in the field of tourism.

Prerequisites

None.

Teaching methods

Due to the Covid-19 pandemic emergency, the lessons will be remotely with recorded lessons and published according to the class schedule.

Assessment methods

Written and oral exams.

The written exam aims at testing the problem-solving ability while the oral exam aims at evaluating the theoretical skills.

The overall mark is the average of the marks obtained in the two exams.

Examples of questions for the exams are available on the e-learning platform.

Textbooks and Reading Materials

Bohrnstedt G.W., Knoke D., Statistica per le scienze sociali, Il Mulino, Bologna, 1998.

Piccolo D., Vitale C., Metodi statistici per l’analisi economica, Il Mulino, Bologna, 1984.

Semester

The course is scheduled in the first semester.

Teaching language

Italian.