

# Statistica (Ingegneria Gestionale, 6 credits)

## Instructor:

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## Lectures:

Tuesday 12-14 (Aula 40), Thursday 11-14 (Aula 40)

## Office hours:

Contact the instructor to arrange an appointment

## Material covered:

Brief review on probability theory and main probability distributions.

Descriptive statistics: data sets description and summarization; correlation in bivariate data sets.

Statistical inference: sampling statistics; point estimation and confidence intervals; hypothesis testing.

Linear regression.

## Textbook:

The textbook is available both in Italian and in English:

S.M. Ross: *Probabilità e statistica per l'ingegneria e le scienze, terza edizione*. Apogeo.

S.M. Ross: *Introduction to probability and statistics for engineers and scientists, 5th ed.* Elsevier.

## Final exam:

The final exam consists in solving problems similar to those proposed in the textbook and some more theoretical problems.

## Please note:

Upon request, the final exam may be taken in English. Office hours and individual meetings with the professor can also be conducted in English.