



Issued by [University of Basilicata](#)
SINCE

TAGS: [Statistics](#), [Probability](#), [Graphics](#)



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Introduction to Statistics and Probability

The holder of this badge has attended the course "**Introduction to Statistics and Probability**" organized by the University Basilicata as part of the "**Competenze trasversali in Unibas**" Project.

The course is a first step to be introduced to Statistics, and provides the basic elements of Statistics and Probability theory. The main objective of the course is to provide students with the preliminary tools to analyze data and make decisions under uncertainty conditions.

The main knowledge provided will be:

- basic elements of descriptive statistics;
- key features of exploratory data analysis;
- basic knowledge of probability theory

At the end of the course, the student will be able to:

- analyze data sets;
- identify statistical problems;
- use the main statistical techniques, the technical language and the most appropriate graphic tools.

At the end of the course, students will be able to search and properly select the significant data for the statistical description of a phenomenon. They will also be able to summarize them and provide an interpretation of the results. The student will be able to use tools coming from the Theory of Probability to build abstract models and apply them to real situations. Finally, the student will be able to critically analyze the graphs and the results proposed by third-party research to obtain the essential information.

Skills

The owner of this Badge has proved to have the following competences:

- Ability to establish criteria and objectives of a statistical investigation
- Ability to collect, represent and comment the data
- Ability to create models and predict events

The owner of this Badge has displayed the following soft skills:

- Ability to analyze a problem focusing the attention on relevant elements
- Ability to synthesize information
- Ability to act in order to obtain the best result, taking into account previous experiences

The owner of this Badge has displayed an overall knowledge in:

- Statistics methods
- Probabilistic tools
- Appropriate technical language

Criteria

The Badge is awarded in one of these two cases:

- following the attendance of the course at least equal to 80% of hours;
- following the attendance of the course in an amount equal to at least 60% of the hours and a successfully passed written test.

The duration of the course is 20 hours.



Issued by University of Basilicata

The University of Basilicata is the leading University of the Basilicata region, in the Southern part of Italy. Since 2012, according to the new University statute and rules of procedure, ex D.R. n. 88/2012, the University of Basilicata is organized through six primary structures (precisely four departments and two schools) in which the functions and the personnel of the pre-existing twelve departments and eight faculties have been re-addressed. Degree programs range from the Humanities, to architecture, archeology, education, economics and management, as well as to the STEM disciplines (hard sciences, agriculture, engineering, computer sciences). Such degree programs are effectively connected to the research, training and third mission activities developed by the primary structures. University of Basilicata counts about 7000 students, and is based in the cities of Potenza and Matera.



Badge Numbers



–

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this badge*



–

*Received
this badge*



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*Started this
badge path*



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*Added to
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