UAB
Universitat Autònoma de Barcelona

Bachelor's Degree Final Project

Code: 103166
ECTS Credits: 12

2024/2025

Degree	Type	Year
2503852 Applied Statistics	OB	4

Contact

Name: Lluis Antoni Quer Sardanyons

Email: lluis.quer@uab.cat

Teachers

Ana Alejandra Cabaña Nigro

Teaching groups languages

You can view this information at the end of this document.

Prerequisites

The rules of permanence establish a minimum of 160 ECTS of the degree passed to be able to enroll in the Final Project.

Objectives and Contextualisation

See the Catalan version.

Learning Outcomes

1. CM21 (Competence) Use computer software for numerical calculation, symbolic calculation, graphic visualisation, optimisation and statistical analysis necessary to apply, complement or exemplify the statistical analyses considered in the Bachelor's Degree final Project (TFG).
2. CM22 (Competence) Plan a professional or academic work in fields related to statistics.
3. KM20 (Knowledge) Identify mathematical tools and statistical models or techniques suitable for use when writing the Bachelor's Degree Final Project (TFG).
4. SM24 (Skill) Select suitable sources and data acquisition and management techniques to carry out the objectives set out in the Bachelor's Degree Final Project (TFG).
5. SM25 (Skill) Draw relevant conclusions to interpret the results of the TFG in the context of the objectives set out in same.
6. SM26 (Skill) Actively demonstrate a high level of concern about the quality of their arguments when making the conclusions of their work public.

7. SM27 (Skill) Effectively use a bibliography and electronic resources to obtain information.
8. SM28 (Skill) Communicate their results orally and in writing to an expert audience and an audience related to the area in which the TFG is being developed.
9. SM28 (Skill) Communicate their results orally and in writing to an expert audience and an audience related to the area in which the TFG is being developed.

Content

The final degree works (TFG) may be rather theoretical (some topic of statistics that is not worked on any of the subjects of the degree) or of a more practical nature (to study in depth a problem and / or specific data). In the first case it will have to contain examples of practical application of the results studied. In the second case, it must contain an adequate theoretical foundation of the results that are used.

The student and the tutor will determine the content of the TFG when this subject begins. The work can be chosen from those proposed by the teachers of the degree or can be proposed by the same student within a line of interest offered by the professors of the Department of Mathematics or Sociology. In both cases you must have the approval of the degree coordinator.

The extension of the TFG can be variable but it is recommended between fifteen and thirty pages. The work can be presented in Catalan, Spanish or English. The first page will include a title, author and tutor, place and dates where the work is carried out. It will then follow a summary that will be in the same language of the text and with its English language version. Non-original content must have been clearly referenced in the bibliography that will appear at the end of the text.

Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Bibliographic inquiry	15	0.6	
Type: Autonomous			
autonomous learning	59	2.36	
work completion	225	9	

See the Catalan version.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Assessment

Continous Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes

Contents	70%	0.5	0.02	CM21, CM22, KM20, SM24, SM25, SM26, SM27, SM28
Debate	10%	0.25	0.01	SM25, SM26, SM28
Presentation	20%	0.25	0.01	SM25, SM26, SM28

Evaluation of the TFG occurs in two phases. First, a jury made up of three members of the faculty evaluates, giving up to a maximum of 8 points, the working document (written memory) delivered to the Virtual Campus.

Afterwards, the Presentation is assessed according to the previous result. For works with scores less than 7.2 (about 8), the Presentation is evaluated by the tutor himself with a maximum of 2 points. In this situation, the final grade will be at most 9 (Work + Presentation).

The student who scores greater than or equal to 7.2 points in the memory, may decide that the Presentation is evaluated by his guardian/a, increases the rating to 2 additional points (in this case, the final grade will be at most 9), or alternatively make the Presentation before the Special Jury and increase the score obtained up to 2.5 additional points.

In each call, the maximum number of pupils eligible to submit to the Special Jury is 40% above the TFG registration of the corresponding call (ordered according to the Labour note). If a student decides to make the presentation in the Special Court, but it is outside the 40% mentioned above, the presentation will be assessed by his director with the possibility of increasing the rating to 2 points.

Bibliography

Paul R. Halmos. Com cal escriure en matemàtiques. Butlletí de la Societat Catalana de Matemàtiques. Vol. 21, núm. 1, 2006. Pàg. 53-79.
https://raco.cat/index.php/ButlletiSCM/article/view/221239

Software

The software required for the TFG.

Language list

Information on the teaching languages can be checked on the CONTENTS section of the guide.