

## Arnau Gómez Català

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Undergraduate in Statistics with hands-on experience as a Research Assistant in the GRBIO Biostatistics and Bioinformatics group. Skilled in statistical programming (R, SAS), development of R packages (Go/Cens), and building Shiny applications for data visualization. Demonstrated ability to collaborate on research projects, present findings at national conferences, and contribute to scientific communication. Seeking to deepen my expertise in biostatistical methods and data science through the master's programme at Karolinska Institutet, with a long-term goal of contributing to biomedical research.

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### Education

#### **Universitat de Barcelona (UB) & Universitat Politècnica de Catalunya (UPC)**

Barcelona, Spain

Interuniversity bachelor's degree in Statistics

09/2022 – Present

Specialized training in complex data analysis, statistical modelling, and advanced quantitative methods to support evidence-based decision-making in real-world applications.

Relevant coursework: Statistical Inference, Statistical methods for Biosciences, Medical Statistics, Generalized Lineal Modeling and Survival Analysis

Current GPA: 7.13/10.

#### **INS. La Llauna**

Badalona, Spain

High School Diploma, Technological Track

09/2020 – 06/2022

Final GPA: 8.2/10

### Professional Experience

#### **GRBIO – Biostatistics and Bioinformatics Research Group**

Barcelona, Spain

Undergraduate Research Assistant

04/2024 – Present

- Developed and extended functionalities of the R package *GoCens* for survival analysis and contributed to the Shiny web application *MSMPred* for multistate predictive modelling.
- Conducted code review and debugging to ensure reproducibility and efficiency of statistical scripts.
- Managed and updated the research group's website and weekly newsletter, ensuring clear communication of projects, publications, events, and academic news.
- Coordinated the organization of biweekly research seminars, consulting with speakers ranging from clinicians and biostatistics professionals to PhD students and occasional international researchers.
- Designed outreach materials, including scientific posters and educational videos, to communicate research to broader audiences.
- Presented collaborative research at the *VIII Jornadas Jóvenes de la SEB* (Young Researchers Meeting of the Spanish Biostatistics Society), a regional group of the International Biometric Society (IBS), under the supervision of Klaus Langohr and Guadalupe Gómez, senior researchers in biostatistics.

**Self-Employed**

Private Tutor (Mathematics and Physics)

Badalona, Spain

05/2021 – 07/2025

- Delivered private lessons in mathematics (scientific and social tracks) and physics to students from 9th grade to 12th grade.
- Designed customized learning materials and teaching strategies to improve students' understanding of key concepts.
- Provided ongoing academic support, answering questions and closely monitoring student progress.
- Prepared practice exams and exercises to assess and reinforce students' knowledge.

**Carrefour Hypermarkets**

Badalona, Spain

Checkout and Customer Service Assistant

09/2023 – 07/2024

- Provided customer service at checkout and at the customer service desk, ensuring a positive and efficient shopping experience.
- Overseen payments, refunds, and customer incidents, resolving issues quickly and effectively.
- Responded to customer inquiries and managed product exchanges, offering tailored solutions for each situation.

**Skills & Interesses****Technical & Programming Skills:**

R (Advanced) / R Shiny / RMarkdown / SAS / LaTeX / SQL / SPSS / MATLAB / Excel

**Data Science & Visualization:**

Statistical Modeling, Survival Analysis, Predictive Analytics, Data Wrangling

**Soft Skills:**

Scientific Communication, Teamwork in Research Settings, Adaptability, Autonomous Learning, Analytical Thinking

**Languages:**

Catalan: Native

Spanish: Native

English: C1 (7.5 IELTS)

German: Basic

**Interests:**

Reading novels

Physical activity and sports

Following scientific news and developments

Strategic Video Games &amp; Board Games