

# ANNA HIDALGO COSTA

## Data Analyst | Machine Learning

+34 678567628 @ annahico@gmail.com <https://www.linkedin.com/in/annahico/>  
<https://annahico.github.io/Portfolio-DA/> Barcelona City



### EXPERIENCE

#### Diabetes Machine Learning Self-Initiated Project

Bootcamp Data Science 05/2025 - 06/2025  
[https://github.com/annahico/Final\\_Project\\_ML](https://github.com/annahico/Final_Project_ML)

- Developed an end-to-end machine learning solution to predict diabetes risk using clinical data, including glucose levels, BMI, and insulin measurements. Applied advanced techniques such as exploratory data analysis (EDA), feature engineering, and hyperparameter tuning to optimize model performance.
- Implemented an XGBoost classifier achieving 89% accuracy, leveraging cross-validation and performance metrics (precision, recall, F1-score) to ensure robustness. Compared results with other models (e.g., Random Forest, Logistic Regression) to validate superiority.
- Engineered a lightweight Flask web application with a user-friendly interface, enabling real-time diabetes risk predictions.

#### Finalist at the Talent Arena Hackathon

Hackathon Talent Arena MWC 03/2025 Barcelona, Spain  
<https://github.com/OscarBF11/Hackathon-Team15>

- I collaborated with a multidisciplinary team to develop an interactive web application that processed and visualized data in real time, using technologies such as Python, Pandas, and Matplotlib.
- I designed and implemented dynamic visualizations (charts, interactive maps) that facilitated the interpretation of trends and supported decision-making.
- Furthermore, I presented results to a panel of experts, highlighting insights such as the correlation between housing prices and population migration, receiving recognition for technical and communicative clarity.

#### Data Analyst Self-Initiated Project

Eda London Crime 02/2025  
[https://github.com/annahico/Data\\_Analyst/tree/master/London\\_Crime](https://github.com/annahico/Data_Analyst/tree/master/London_Crime)

- I conducted exploratory data analysis (EDA) on crime patterns in London using Power BI and SQL, identifying geographic, temporal, and crime-type trends.
- Designed an efficient data model in Power Query, optimizing queries and reducing processing time by 40%, enabling faster loading of interactive reports.
- I automated data updates using SQL scripts and Power Query, ensuring that reports reflected regularly updated information.

#### Frontend Developer Junior

Adopta un Valenciano 11/2024 - 01/2025 Barcelona, Spain

- Developed core frontend features using React.js under the mentorship of senior developers, gaining hands-on experience with modern JavaScript frameworks.
- Assisted in implementing Google Analytics tracking, discovering how data collection informs product decisions.

#### High School Teacher

Consorti Barcelona 2022 - 2025 Barcelona, Spain

- Introduced data-driven digital tools, increasing class participation by 15%
- Designed strategies based on educational analytics, improving student understanding by 25%

### SUMMARY

Data professional skilled in end-to-end analytics from exploration to actionable insights. Combines advanced analytics (Python, SQL, Tableau and Power BI) with machine learning (predictive modeling, ETL automation) to drive data-driven strategies.

### SKILLS

Agile	AWS	DAX	EDA	ETL
Flask	Git	GitHub	Google Analytics	
JavaScript	Kanban		MongoDB	
Matplotlib	Microsoft Power BI			NLP
NumPy	Pandas	PostgreSQL		
Power Query	Python		React	Scrum
Seaborn	SQL	Tableau		

### TRAINING / COURSES

Data Science Bootcamp (600 hours)  
The Bridge

Python Introduction (100 hours)  
CIFO La Violeta

### EDUCATION

Higher Technical Degree in Web Application Development  
Jesuites FP  
2024 - Present Barcelona, Spain

Master's in Education and ICT - UOC  
Uoc  
2023 Barcelona, Spain

Degree in English Studies  
Universitat de Barcelona  
2016 - 2021 Barcelona, Spain

### LANGUAGES

Catalan	Native	●●●●●
Spanish	Native	●●●●●
English	Proficient	●●●●●