IRON
HACK

Ironhack certifies that:

Mario Barrio Alonso

has successfully completed the

UAX Digital Garage by Ironhack - Data Analysis Course 54h

Gonzalo Manrique Sabatel

Co-founder & Co-CEO • Ironhack School Inc.

IRONHACK SCHOOL

This certificate of completion signifies that the student has acquired:

- **Fundamentals of Python** types, objects and variables
- **Control flow**: working with loops and conditional statements
- **Pandas essentials:** Series and DataFrame creation and indexing.
- Reading and writing **tabular data** to and from CSV
- **Styling DataFrames** and generating visualizations with Seaborn and Matplotlib
- **EDA** (exploratory data analysis) with Python
- Introduction to **Linear Regression Models**
- Introduction to **Logistic Regression Models**
- **Non supervised modelling**: Cluster Analysis
- **Storytelling**