Giulio Elmi

Los Angeles, CA | giulioe01@gmail.com | +1 (831) 295-2023 | +39 3208461236 | https://linkedin.com/in/elmigiulio/

Education

Foreign Exchange Program | University of California, Santa Cruz   09/2022 – 06/ 2023
  - o   GPA 4.0

Bachelor's in Business and Economics | University of Bologna   09/2020 – 09/2023
  - o   Grade: 110 cum Laude

Research interests and experience:

The use of data to create impactful change. Coming from a small village in the Alps and a self-supported student in love with data, I want to help answer questions on climate change, disparities in society, and social inefficiencies.

Bachelor's Thesis | University of Bologna   September 2023
The Normal Distribution Paradigm: An Examination of Its Applicability in Stock Returns
  - Explored the assumption of normality of stock returns in major economic theirs, including CAPM, Sharpe Ratio, and Modern Portfolio Theory, and concluded that the assumption does not hold according to previous research.
  - Used R and Stata to perform statistical analysis on stock returns

Class project | University of California, Santa Cruz   May 2023
Testing the Normality of Cryptocurrency Returns: An Empirical Analysis
  - Analysed the distribution of Bitcoin returns since its conception, and performed statistical tests, including Kolmogorov-Smirnov, Shapiro-Wilk, and Jarque-Bera, suggesting that the distribution is not normal. All the data was obtained and analysed using R, incuding ggplot2, tidyverse, crypto2, and dbplyr.

Work experience

Product Management Analyst Intern | Keck Medicine of USC   Oct 2023 – Present
Worked closely with Choi Jane, Product Manager, and Martel Beth, Associate CTO, in data transformation and analytics projects to prepare for Salesforce go-live. I transformed sensitive information on over 30,000 patients. This transformation involved:
  - Fuzzy matching our dataset with the vendor data.
  - Declassifying sensitive information through randomization of data for researchers to use it.
  - Testing the integration of Salesforce before the go-live.
  - Creating a dashboard to track the progress of the go-live.

Revenue Cycle Analyst Intern | Keck Medicine of USC   June 2023 – Oct
Supported Revenue Cycle applications (Oracle, 3M, and other healthcare applications)
  - Performed troubleshooting in RevElate, Keck Medicine's patient accounting tool.
  - Reorganized more than 50 folders daily, using Batch Script.
  - Collaborated in developing the new system diagram.
  - Participated in management-level meetings in preparation for Oracle go-live.

Co-founder | Flashcard AI   June-September 2023
AI-based startup with the goal of making studying easier.
  - o   Developed MVP and pitch, where I explored OpenAI's API and its integration in a mobile application.
  - o   The idea was abandoned after Quizlet, an industry leader, introduced the feature on its website in Oct 2023.

Co-founder | San Lorenzo Guides   June-September 2021/22
Developed an ad hoc weekly program for 100 hotels in the Molveno (TN) area, which includes trekking, historical tours, and tastings. Analysis of previous tourism data was paramount to the development of the correct offering:

- Polled the 100 hotels to understand what the average tourist is missing in Molveno.
- Created the program to reflect what the data suggested: a more rustic approach to tourism.

The program doubled its customers in one year and secured support from the local tourism authority, generating over €30,000 in revenue.

Skills

Excel and Power BI: used during my internship at Keck Medicine of USC.
- Excel: Pivot tables, Graphs, If statements, VLOOKUP.
- Power BI: Basic DAX, Lookup Tables, Calculated Columns, Filters, Power Query.

R, Stata: used languages for research purposes during my year at UC Santa Cruz.
- Normality tests, OLS, DID, IV, stock data scraping, Monte Carlo simulation.

Languages: Italian (Native), English (C1 Cambridge English certificate), Spanish (Intermediate), German (Basic).