

# Federico Squasselli

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## SKILLS

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Python (Pandas, Numpy, Chess.pgn, Matplotlib)	Data Wrapper and Flourish	STATA
Excel/Google Spreadsheets	RStudio	SAS
SQL	IELTS Academic 7.0 (C1)	

## PROJECTS ([My Portfolio](#))

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### Information Systems and Database Management

October 2023

- Designed and implemented a database management system for a gym utilizing **SQL** and **Excel**.
- Created **queries** to efficiently manage customer data, track memberships, analyze class subscriptions, monitor inventory and assess financial performance. These efforts enabled data-driven decision-making and optimized gym operations.

### Plastic Use Awareness Week

February 2024

- As part of a project scenario focusing on raising awareness about plastic usage, we devised an editorial plan for 'plastic use awareness week' on Instagram.
- Utilizing tools like **Flourish**, **Data Wrapper** for chart creation, and **Canva** for post design, we crafted a series of posts aimed at educating the audience about sustainable practices.

### 'Brutally Honest' about Communication

November 2022

- Conducted a qualitative analysis during a **Bachelor Erasmus** in Sweden on communication within knowledge-intensive organizations. Interviewed four **Nordea** managers, identifying key themes: transparency, relationship-building, and employee engagement.

### Restaurant Concentration Analysis (Bologna)

February 2024

- This analysis delves deep into Bologna's restaurant market, utilizing data from the **Orbis** website and statistical techniques in **STATA** to unveil key insights.

### Predicting and Forecasting Real Estate in Texas

August 2024

- A project conducted in **RStudio** simulating the operations of a real estate and Airbnb agency based in Austin, Texas. Our focus is on **optimizing** property transactions, including buying, selling, and short-term rentals. Through a timeseries analysis, we aim to **forecast** properties **market value** in time in order to determine optimal purchase and sale timing.
- Our analysis also aims to **predict** whether a property is sold within a specific period. We assume the unsold properties are short-rented on Airbnb, the price is determined and predicted using data from Airbnb listings in Austin.

### Chess.com Data Analysis

In Progress

- This project leverages **Python**'s chess.com **API** to retrieve data from games played by a user and conducts various analyses.
- The goal is to create a **user-friendly interface** where users can input a player's username and obtain detailed statistics about their gameplay.

## Education

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### Bachelor in 'Management and Marketing'. *University of Bologna.*

09/2020 - 09/2023

Via Zamboni, 33, 40126, Bologna, Italy

**Final Grade:** 110 cum laude

**Thesis:** *'The transformation of the Customer Relationship Management: Artificial Intelligence as the driver of personalization and engagement'*

### Master in Statistical Science 'Business Analytics'. *University of Bologna.*

09/2023 - Current

Via Zamboni, 33, 40126, Bologna, Italy

## Work Experience

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### Hotel Waiter

Summers 2019 - 2021

*La Panoramica Country House.* (Via Panoramica, 20, 63074, San Benedetto del Tronto (AP), Italy)

During summer breaks from studies, I worked as a waiter in the same hotel for three consecutive years.