

# Alessandro Montanari

Junior Data Scientist at VivaDrive and MSc student in Statistics at the University of Bologna. Passionate about programming, Machine Learning and data-driven problem solving.

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## EXPERIENCE

### VivaDrive, Warsaw (Poland) — Junior Data Scientist

JULY 2021 - CURRENT

- Designed and implemented a Recommendation System for suggesting the most suitable electrical vehicle replacements for a gas-fueled car.
- Trained a Machine Learning model for predicting a car's fuel (or energy) consumption within a certain trip.
- Analyses mobility data, producing statistics and visualizations to be implemented within the Digital Fleet applications.
- Writes reports and documentation of results and methods.
- Uses Python extensively (*Django, Scikit-Learn, Pandas, Matplotlib*).

### VivaDrive, Warsaw (Poland) — Data Science Intern

FEBRUARY 2021 - JUNE 2021

- Developed a Python algorithm for deriving the optimal charging strategy for a certain electrical vehicle model within a set of trips.
- Created mathematical *scores* aimed at explaining to what extent the driver behavior and the external conditions observed during a set of trips could be considered fit for switching to an electrical vehicle.

## EDUCATION

### Università di Bologna — MSc in Statistics, Data Science major

SEPTEMBER 2019 - CURRENT (Expected graduation date: December 2021)

EQF Level 7 — Language: English — GPA: 28.77/30

### Università di Bologna — BSc in Statistics

SEPTEMBER 2016 - JULY 2019

EQF Level 6 — Language: Italian — Final Grade: 110/110 cum laude

#### Thesis: Predictive Modeling in Baseball - A Logistic Regression Analysis

A simulation aimed at quantifying the impact of randomness on the results of a Major League Baseball season through Logistic Regression.

## PROGRAMMING SKILLS

- **R:** Advanced
- **Python:** Advanced
- **SQL:** Basic
- **Version Control:** Intermediate
- **HTML/CSS:** Basic

## DATA SCIENCE SKILLS

- > Deep knowledge of the main Machine Learning algorithms
- > Experience in data visualization
- > Knowledge of Text Mining, Web-Scraping and Information Retrieval techniques
- > Strong academic background in Statistics, Maths & Probability

## SOFT SKILLS

- Problem solving
- Dedication
- Willingness to Learn

## LANGUAGE SKILLS

- > **English:** Fluent  
C2 Proficiency (2016)
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C2 Proficiency (2016)