



# 🇬🇧 Data Analytics Bootcamp 🇬🇧

8 Weeks | Full-time



Belgrave Valley



## Learn how to code in Python from scratch

We believe in learning by doing, therefore, as part of your training you will carry out real projects in Jupyter Notebook and conduct A/B Tests with real data sets.

You will work mainly with the following libraries:

- Pandas, Numpy, Matplotlib, Poltly & Seaborn

Topics include:

- Introductions to data wrangling and cleaning.
- Exploratory Data Analysis & Transformations.
- A/B Testing.
- Interacting with APIs and web scraping.



## Learn how to code in SQL

As the standard language for database management, SQL is an essential part of the technology industry.

Topics include:

- Introductions to data wrangling and cleaning.
- Exploratory Data Analysis & Transformations.
- Jinja Templating.
- Window Functions.
- Performance Tuning.

Tools you will learn about:

- BigQuery, Snowflake, dbt.





## Statistics

Descriptive statistics and probability theory are at the base of data analysis. We prepared diverse training sessions so you can enlarge your statistical knowledge while using SQL and Python, and become a great data analyst.

Topics include:

- Understanding Correlations and Distributions.
- Working with Confidence Intervals.
- Applying: Probability Mass Functions, Cumulative Distribution Functions, Probability Density Functions, Linear Least Squares.



## Machine Learning

Deep dive into real machine learning projects by building, training and evaluating models yourself with the Scikit-Learn machine learning library.

Topics include:

- Intro to predictive modeling.
- Machine learning model types.
- Supervised and unsupervised learning.
- Regression.
- Ensemble methods.
- Optimisation and hyperparameter tuning.
- Validation.





## Other Tools

### Get to know a great variety tools

Tame unstructured data and visually present it helping ensure effective decision making by using industry leading BI tools such as Tableau and Looker.

Learn Command Line and how to use GitHub for version control and project management.

The course will introduce you to dbt so you can structure your SQL queries in a smart way. You will also get a grasp of a top of the notch orchestration tool, Apache Airflow.



## Interview Preparation

### Tailored Career Planning

We offer our own job coaching methodology and bespoke career support.

### Application Preparation & Support

- Industry tailored CV and Cover Letter
- Networking
- The Good Application process

### Interview Preparation

- Get to know you and Competency questions
- Technical assessment preparation
- Offer negotiation

