

# Peter Frances

## Data Analyst

Highly adept and results-driven Data Analyst with a robust foundation in statistical analysis, machine learning, and data visualization. I have demonstrated expertise in extracting actionable insights from complex datasets using Power BI, Python, and SQL. Proficient in developing predictive models, conducting thorough data analysis, and implementing automation techniques to streamline workflows and enhance efficiency. Possessing strong analytical and problem-solving abilities.

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## EDUCATION

### Bachelor of Science in Information Technology and Computing (Computer Science)

Arab Open University - Egypt

09/2019 - 02/2023

Cumulative GPA: 3.50 / 4

Honors and Awards

- Completed Bachelor's degree in three and a half years.
- Received a Certificate of Excellence in March 2022.

### Bachelor of Science in Information Technology and Computing (Computer Science)

The Open University - UK

09/2019 - 02/2023

Classification: Second Class Honors (1st Division)

## WORK EXPERIENCE

### Freelance Data Analyst Freelance

03/2023 - 03/2024

Achievements

- Leveraged +5 years of Python expertise to develop scripts automating data workflows, reporting systems, and data wrangling tasks, driving efficiency. Implemented automated algorithms for data mining, predictive analytics, and data manipulation, improving decision-making.
- Created reports, dashboards, and key performance indicators (KPIs) using Power BI, effectively communicating technical concepts to non-technical stakeholders through clear and understandable language in PowerPoint presentations.
- Designed, implemented, and evaluated machine learning algorithms, including classification, regression, and clustering. Conducted thorough testing, feature engineering, and fine-tuning of machine learning models to optimize performance and achieve accurate predictions.
- Utilized pattern recognition and statistical analysis to uncover insights, correlations, and trends within complex datasets. Applied time series analysis and forecasting methods to analyze temporal data.
- Formulated hypotheses and research questions to guide data exploration and validation, applying data mining and exploratory data analysis (EDA) techniques to interpret data and draw meaningful conclusions.

## SKILLS

Python SQL Microsoft Power BI

Machine Learning Automation

Statistical Analysis

Data Manipulation (Pandas)

Time Series Analysis Data Mining

Data Analytics

Data Visualization & Storytelling

Analytical Skills Problem-Solving

Critical Thinking Detail-Oriented

Curiosity Communication

## PERSONAL PROJECTS

Supply Chain Analytics and Optimization

Customer Segmentation

Credit Card Fraud Detection

Breast Cancer Classification

Diabetes Prediction

Gold Price Prediction

Medical Insurance Cost Prediction

## CERTIFICATES

IBM Data Analyst Professional Certificate  
(2023)