






# Essam Omar

## Data Analyst

### Contact

-  El Qasem, New Miami, Alexandria, Egypt
-  01101017105, 01148014213
-  eoabdulhalim@gmail.com
-  eoabdulhalim
-  eoabdulhalim

### Soft Skills

- Presentation Skills
- Communication
- Teamwork skills

### Languages

- Arabic: Native.
- English: Advanced.

### • Education

2018 - 2022 | Bachelor of Science in Statistics and Computer Science.  
Faculty of Science – Alexandria University.  
Grade: 2.86 Overall Good.

### • Experience

#### Data Analyst | Freelance

Applying data preprocessing, such as data cleaning, data transformation, and data reduction, and utilizing data visualization to identify trends, patterns, and extract insights.

### • Courses & Certificates

Advanced Data Analysis – egFWD

HackerRank SQL Skill Certificates

Mathematics for Machine Learning – Coursera offered by Imperial College London

Machine Learning Specialization - Coursera offered by DeepLearning.AI & Stanford University

### • Technical Skills

- Descriptive & Inferential Statistics, Probability, Regression analysis, Hypothesis Testing.
- Dax, power query.
- Data Modeling, Data Visualization using Power BI
- Database, SQL, XML.
- Python (worked with Numpy, Pandas, Matplotlib, Seaborn).
- Data Structure and Algorithms using C++(Problem Solving).
- Mathematics, Linear Algebra, PCA.
- Machine Learning Algorithms.

### • Projects

- **Global Super Store Report.**  
Displaying an overview of sales& profits over time for each market of the Store, including important figures such as waterfall chart for profit of each product Subcategory, using a dynamic Power BI Report.
- **EDA - Uber Requests.**  
Conducted comprehensive exploratory data analysis (EDA) on Uber ride requests time series dataset, identifying key patterns and trends to inform strategic decision-making within the transportation industry.
- **Employees Absenteeism at work.**  
Analyzed a dataset containing employees' absences and their relationship to additional health and socially related factors. I applied various data analysis techniques, such as distribution plots, conditional probabilities, Bayes' theorem, data transformation techniques (such as Box-Cox and Yeo-Johnson), and the Kolmogorov-Smirnov test, and applied these to the dataset.
- **Bikes Sales Dashboard.**  
Identifying how sales (total revenue, profits, and locations) fluctuate based on months or years, answering questions about the most sold and desired products, and more through an easy-to-use dynamic dashboard using Excel plots and pivot tables.