



# Anastasia Al Rassi

## DATA SCIENCE STUDENT

I'm driven by the challenge of uncovering insights hidden within complex data, leveraging advanced statistical techniques and analytics to transform raw numbers into compelling, easy-to-understand visual stories.

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## CONTACT

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## EDUCATION

Data Science Bachelor's, Arab Open University

**GPA:** 3.94

Nominated for Excellence Award for outstanding academic performance

## LOCATION

Lebanon, Byblos  
Mastita, Kfarkelles Street

## EXPERIENCE

### NLP AND DATA SCIENCE INTERN COG DEVELOPERS

November 2024 – January 2025

- Integrated ChatGPT-3.5-Turbo into the software using LangChain to enable intelligent question-answering functionality.
- Performing text preprocessing, NER, Embedding and PCA on Arabic and English text using Transformers, Spacy, Nltk, and Numpy.
- Solving the issue of text classification using a zero shot classification model.
- Researching models and algorithms best fit for the task at hand and testing them.

### DATA ANALYTICS INTERN BLOM BANK S.A.L

August 2024

- Enhanced data analytics skills using Alteryx for data preparation, cleansing, joining, blending, and analysis.
  - Advanced proficiency in Excel by utilizing formulas, pivot tables, and data visualization tools to present insights clearly.
  - Developed and executed SQL queries to import data and establish data constraints.
  - Gained experience in financial analysis, including working with balance sheets and income statements, and conducting financial assessments.
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## SKILLS

- Fluent in English and Arabic, with basic proficiency in French.
- Proficient in Excel, Access, Tableau, Alteryx, MySQL, and SQLite for data management and visualization.
- Python skills (Pandas, NumPy, Seaborn, Matplotlib, Scikit-Learn, NLTK, Transformers).
- Text preprocessing, Named Entity Recognition (NER), embeddings, PCA, cleaning, and visualization.
- Strong foundation in statistics and hypothesis testing.
- Exceptional problem-solving, troubleshooting, teamwork, and customer interaction abilities.

## CERTIFICATES

- **Data Analytics Training** by **Simplilearn** and **Forward MENA**.

## IT SUPPORT TECHNICIAN LEADER'S INFORMATION SYSTEMS

Jan 2023 – May 2024

- Helping customers in issues of accounting with regards to false data entries, year opening, invoices...
  - Maintaining data security and privacy.
  - Troubleshooting hardware and software issues relating to printers, automation etc....
  - Analyzing data entries to track down the source of user issues.
  - Teaching users how to navigate the software.
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## PROJECTS

### Arabic NLP

<https://github.com/AnastasiaRassi/NLP-ARABIC.git>

### Insurance Data Analysis using Python:

<https://github.com/AnastasiaRassi/Insurance-Data-Analysis.git>

- Analyzed and visualized insurance data using Python libraries (Pandas, Matplotlib, Seaborn).
- Addressed missing values and generated insights via scatter plots, count plots, and pairplots.
- Performed linear regression to explore the relationship between charges and age for smokers.

### Restaurant Tips Prediction using Excel:

- Cleaned and prepared the dataset (e.g., removed duplicates, encoded categorical variables).
- Applied regression analysis to predict tips and identified significant variables (P-value < 0.05).
- Calculated predicted tips, evaluated accuracy, and assessed error percentage.