

# BATOUL BLAYBEL

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December 19, 2002

## SUMMARY

Eager statistician with hands-on experience in data science, including data analysis, statistical modeling, and transforming data into actionable insights. Enthusiastically committed to continuous growth, I am seeking a job opportunity in data science, statistics, or a related field to further develop my expertise and make a meaningful impact.

## EDUCATION

- Master's degree in Statistics from Lebanese University, Faculty of Sciences  
2023-2025
- Bachelor's degree in Statistics from Lebanese University, Faculty of Sciences  
2020-2023

## EXPERIENCE

### Data Scientist Intern | Magnoos Information Systems

April 2025 – August 2025

- Developed advanced forecasting models for ATM cash demand
- Implemented robust data preprocessing and anomaly detection pipelines
- Conducted diagnostic analysis and feature engineering for ATM behavior

### Data Scientist Intern | Magnoos Information Systems

July 2024 – September 2024

- Worked with Dataiku to manage data workflows and implement machine learning models for multi-class classification.
- Processed and analyzed datasets to ensure data quality and extract actionable insights.

## PROJECTS

### LUNG CANCER ANALYSIS

- Conducted a comprehensive statistical analysis of lung cancer patient data to compare clinical features, treatment outcomes, and survival rates between smoking-related and non-smoking-related cases **using R**; performed survival analysis with corrected survival time, including Kaplan-Meier estimation, log-rank test, and Cox proportional hazards modeling.

### PORTFOLIO PROJECT

- **COVID Data Analysis and Visualization Project:** Utilized **SQL** data exploration techniques to analyze the global impact of COVID-19, focusing on its effects and vaccination trends. Subsequently, I visualized COVID-19 infection data using **Tableau**, providing clear and actionable data-driven perspectives on pandemic dynamics and infection rates.
- Utilized **SQL** to **clean** Nashville housing data for data preparation.
- Utilized Python libraries including **pandas**, **seaborn**, and **matplotlib** to clean and conduct **correlation analysis** on a movie industry dataset. This involved **data cleaning** tasks to prepare the dataset for analysis, followed by visualization and correlation calculations to uncover insights into factors impacting movie success.

### BIKE BUYERS' PERFORMANCE

- Utilized Excel to clean and analyze sales data for insights into bike buyers' behavior and sales trends. Created visualizations and dashboards to present findings for informed business decisions.

### Airbnb PROJECT

- Utilized **Tableau** to conduct comprehensive analysis of Airbnb data. Uploaded visualizations showcasing insights on pricing trends, revenue patterns, and property metrics.

### JOB SATISFACTION SURVEY

- Employed **Power BI** for data cleaning and transformation tasks, optimizing survey data for visualization. Developed interactive visualizations to showcase survey insights.

## SKILLS

- **Statistical Software:** SPSS, R
- **Front-end Development:** HTML, CSS
- **Programming languages:** Python, SQL, SAS
- **Data Tools:** Tableau, Power BI, Dataiku, Overleaf (LaTeX)
- **Microsoft Office Suite:** Excel, PowerPoint, Word
- **Soft Skills:** Communication Skills, Problem-Solving, Analytical Thinking, Teamwork

## CERTIFICATIONS AND TRAINING

- "AI for Social Impact" | Mar–Apr 2025  
(16-day workshop implemented by DOT Lebanon)
- Core Designer Certificate – Dataiku | July 2024
- Advanced Designer Certificate – Dataiku | July 2024
- ML Practitioner Certificate – Dataiku | July 2024
- MLOps Practitioner Certificate – Dataiku | July 2024
- "Introduction to AI and Data Annotation" @ LU Hadath  
(8-day workshop implemented by DOT Lebanon)

## LANGUAGES

Arabic – English – French