

Abed Elhadi Bsar

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Professional Summary

Data Analyst with an MSc in Business Analytics and experience in research-driven analytics, business intelligence, and data visualization. Skilled in Python, SQL, and Tableau, with hands-on experience building datasets, dashboards, and analytical pipelines that support research and decision-making across academic and policy domains. Authorized to work in the U.S. without sponsorship.

Education

American University of Beirut

MSc, Business Analytics | GPA: 3.6/4.0 | Graduate Assistantship | Co-Founder, GBSS

Sep 2023 - Sep 2025

Beirut, Lebanon

Coursework: Business Intelligence, Predictive Analytics & ML, Data Visualization, Healthcare Analytics, Statistical Analysis

American University of Beirut

BA, Economics and Political Science | GPA: 80/100 | VP, AUB Automotive Club

Sep 2019 - Dec 2022

Beirut, Lebanon

Coursework: Microeconomics, Macroeconomics, Applied Econometrics, Economics of Financial Markets

Work Experience

American University of Beirut

Graduate Assistant — Data Analyst

Aug 2023 - Sep 2025

Beirut, Lebanon

- Built analysis-ready datasets by integrating 5+ data sources, resolving structural inconsistencies that had blocked downstream analysis.
- Analyzed and validated research datasets using Excel, SQL, and Python, identifying data quality issues and producing summary statistics, visualizations, and insights that improved usability for faculty research and case development decisions.
- Audited 20+ reporting datasets for methodological soundness, identifying and resolving quality issues that improved reliability for downstream analysis.

Asfari Institute

Research Analyst Intern

May 2022 - Sep 2022

Beirut, Lebanon

- Synthesized quantitative and qualitative findings from 50+ policy reports into 6 executive briefing memos, directly informing senior leadership strategy.
- Maintained a structured monitoring database spanning 5 regional policy themes and 75+ civil society organizations, supporting real-time tracking and annual strategic reporting.

United Nations - ESCWA

Economic Affairs Intern

May 2021 - Sep 2021

Beirut, Lebanon

- Analyzed labor market and gender datasets across 15 MENA countries using Excel and Stata, producing insights that informed policy recommendations and regional economic reporting.
- Produced 12 data visualizations and 2 executive briefing notes for 15+ senior policymakers, contributing to 4 ESCWA publications including the 2021 Regional Economic Report.

Projects

Maternal & Neonatal Health Analytics Dashboard — Lebanon vs. MENA

Aug 2024

AUB Healthcare Analytics Course | Team of 3

- Led dashboard development by integrating data from five public health sources (Lebanon's MOPH, UNICEF, WHO, HDX/OCHA, World Bank) using Python and Tableau, building an interactive dashboard that tracked 10+ maternal and neonatal health indicators from 2000-2022.
- Identified a national cesarean delivery rate of ~50% (vs. WHO's recommended 10-15%) and elevated mortality among non-Lebanese populations, producing 6 evidence-based policy recommendations on facility access and provider training.

Amazon Review Sentiment Analysis

May 2024

- Developed NLP models in Python (Scikit-learn, NLTK) achieving 96% precision and 98% recall on 50K+ Amazon reviews, enabling accurate, scalable classification of customer sentiment.

Movie Revenue Prediction and Data Processing

May 2024

- Built a repeatable Python pipeline against the TMDB API to pull 5K+ movie records, then designed a normalized 7-table MySQL schema with SQL queries for multi-dimensional analysis; trained a Random Forest regression model reaching $R^2 = 0.82$, identifying budget and genre as top revenue drivers.

Skills

Programming: Python (Pandas, NumPy, Scikit-learn), SQL (MySQL), R, Stata, SQLAlchemy

BI & Visualization: Tableau, Streamlit, Plotly, Matplotlib, Seaborn

Data Tools: Excel (Pivot Tables, Power Query), Git/GitHub, Jupyter

Modeling: Forecasting, Hypothesis Testing, Regression, Classification, Predictive Modeling, NLP, KPI Reporting