

Mazen Jabbour

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Lebanese | Born 1978

Highly experienced research analyst with a passion for statistics, elections, media & machine learning.

EXPERIENCES

Founder, OrcaStat (July 2025 – Present)

OrcaStat for Consulting and Research is a specialized institution in conducting surveys, field studies, and statistical research, as well as data collection and analysis using the latest scientific and software methodologies. The company provides precise consulting services in social, economic, and political fields and develops advanced digital solutions, including web and mobile applications and interactive dashboards (BI Tools), to enhance database interaction and deliver clear insights to decision-makers.

OrcaStat also stands out for its ability to market and distribute its own software and applications, as well as those of its partners, while collaborating with local and international organizations in research and information technology. This positions the company as a trusted provider of analytics and insights in Lebanon and abroad.

June 2023 - January 2025, Siren Analytics SAL, Lebanon

Senior Data Analyst

Siren Analytics Works collaboratively with public and private sector partners, produce data intelligence that helps decision makers better understand root causes, manage risk, and reach their goals. Focus on building bespoke and sustainable tools, either acting as an inhouse team or training existing personnel. Develop customized predictive models that are driving organizations to reimagine their business practices. Combine cross-disciplinary machine learning R&D and social science research methodologies with understanding of public policy, help to reveal insights about why people do the things they do.

- Cleaned, structured, and optimized complex relational databases, developing advanced SQL queries and creating reusable views to support dynamic dashboards and data visualization tools.
- Create research-specific samples, methodologies, and tools to ensure representative data and high response rates.
- Lead the data collection team, monitor best practices, clean survey data, and prepare it for insightful analysis.
- Deliver workshops on data fundamentals (questionnaire design, sampling, data cleaning, data analysis) and Microsoft Excel to enhance team data literacy.
- Develop and digitize questionnaires, utilizing data collection tools like ODK and Kobo, to optimize data collection and analysis.
- Prepare dashboards and perform the necessary data manipulations and transformations using Power BI on social media data and diverse data types.
- In my role as SIVIS (A business Intelligence software created by Siren developers) Product Owner, I ensured user-centricity by actively monitoring quality, addressed bugs and implemented improvements, handled client requests, and created customized data views. My responsibilities included:
 - Regularly compile and distribute concise weekly progress reports, outlining achieved milestones and upcoming project goals.
 - Utilize my extensive experience in Business Intelligence (BI) to improve the user interface and enhance performance within SIVIS.
 - Explore opportunities to introduce innovative chart types and visualization techniques, thereby enriching data representation and analysis capabilities.
 - Collaborate closely with development teams to conduct thorough testing and debugging of charts, ensuring they meet user requirements accurately and efficiently.

- Take charge of overseeing the implementation of statistical computations within SIVIS, ensuring the accuracy and reliability of analytical outputs.
- Develop tailored data and dashboards to showcase functionalities and capabilities during software demonstrations for SIVIS.
- Execute and compile research reports pertaining to business intelligence software.

Key Projects

- **The Silent Giant: Restructuring Lebanon's Quarry Sector**
Led data collection and analysis for a study on Lebanon's quarry sector, training teams on survey methodologies, data collection, and reporting. Designed and cleaned datasets, ensuring accurate insights for regulatory reform and environmental impact assessments.
- **The Cliffhanger: Reforming the Traffic Management Office (Nefaa)**
Supervised survey execution and statistical analysis on citizen satisfaction and service efficiency at TMO. Trained interns on questionnaire design and data collection. Contributed to benchmarking studies and digital transformation recommendations

January 2023 - January 2024. Regenerate Hub NGO, Lebanon

Part time: Senior Data Coordinator

Regenerate Hub is a circular economy platform to strengthen nature-based solutions. Regenerate Hub's mission is to enable diverse audiences to data visualize the interconnected flow, impact, and value of resources across sectors, how systems can be improved, and who is working to create alternatives on the ground.

- Led data management and analysis initiatives.
- Transformed raw data into actionable insights through dashboard creation, report generation, and data visualization.
- Maintained data quality by implementing data validation procedures, analyzing data collection tools, and recommending technological improvements.
- Mentored junior data coordinators, fostering expertise and troubleshooting data-related challenges.
- Conducted a large-scale industrial survey (6,000 participants) encompassing material flow, geolocation, and relevant information. Provided statistical analysis and compiled a comprehensive report on the findings.
- Streamlined data management processes by auditing current practices and implementing new protocols.
- Developed a standardized reporting template for clear communication of insights to donors and users.
- Collaborated with the technology team to enhance data management workflows and test data parsing tools.
- Designed and implemented a user-friendly system for partner data upload, facilitating bulk data acquisition.

January 2021-April 2022. Towards One Nation NGO, Lebanon

Senior Statistician and Electoral Expert

TON is a community of independent Lebanese patriots with diverse backgrounds and age groups who believe that the way for a prosperous and stable future for Lebanon is to drive political change by enabling the emergence of new political leaders, fully committed to serving the national interest.

- Conducted elections related research
- Analyzed survey results

- Prepared simulations and presented results to stakeholders
- Helped develop a software to manage electoral simulation and elections day operations
- Managed the Issuing and follow-up of new polls and research
- Enabled regional coordinators to understand electoral system and Impact on their districts

June 2008-December 2020. Statistics Lebanon Ltd, Lebanon

Head of Statistics Department

Statistics Lebanon Ltd. is the leading market research and public opinion analysis In Lebanon. It also operates a leading digital media.

- Conducted projects for International, regional and local companies in politics, media, medical studies, banking, social studies etc.
- Designed research projects that apply valid scientific techniques and utilize information obtained from baselines or historical data in order to structure uncompromised and efficient analyses
- Applied sampling techniques or utilized complete enumeration bases in order to determine and define groups to be surveyed
- Lead and mentored statistical assistants in their day-to-day tasks
- Managed consultancy projects with clients to handle data collection - taking into account ethical considerations
- Analyzed and interpreted statistical data
- Contributed to the 'Lebanese Elections 2009 Book"
- Conducted simulations for several electoral laws considered In Lebanon

Since 2005. Freelancer

Mathematics trainer

SPSS Tutor

- Teaching private lessons to university students
- Tutoring math to Lebanese Army recruits
- Assisting PHD and Master's Degree students In Surveys and Graduation projects

EDUCATION

2000-2005. Lebanese University, Faculty of Sciences, Lebanon

Master's Degree In applied mathematics

2020. Johns Hopkins University

Online Specialization in Data Science and Machine Learning Using R

2020. Johns Hopkins University

Online Specialization in Data Science: Foundations Using R

2020. Imperial College London

Online Specialization in Statistical Analysis with R for Public Health

2021. UCDAVIS

Online Specialization in Data Visualization with Tableau

2026. Google

Online Specialization in Project Management Professional Certificate – Google / Coursera (March 2026)

OTHERS

Languages:	Arabic: Native Language English: Fluent in writing and reading
Computer skills:	MS Office: Extensive experience with: Word, Excel, PowerPoint, and Access. Statistical software: Highly proficient in statistical software packages including SPSS, R, AMOS, Smart PLS, STATA, STATISTICA, EVIEWS, and NVIVO. Solid proficiency in SQL and Python, with additional experience in SAS and SPAD. Data Visualization software: Extensive experience with Tableau. and Microsoft Power BI. Geospatial software: Very Good experience with ArcGIS.
Technical skills:	Designing and evaluating surveys: Using ODK, KOBO, Qualtrics, Lime Survey and other web applications for both online and offline data collection. Statistics: Multivariate methods, non-parametric methods, categorical analysis, exploratory and confirmatory factor analysis, structural equation modeling, statistical computing and simulation. ETL & Data Engineering: Good experience with ETL tools (Extract, Transform, Load), data warehousing, Microsoft Fabric, Lakehouse architecture, Data Factory, and data pipelines. Project Management & Collaboration Tools: Agile project management, Atlassian Jira, project planning, workflow management, and team collaboration. Version Control & Development Tools: Git, GitHub, version control, repository management, branching, pull requests, and collaborative development.
Interests:	Basketball, Music and Chess
References:	Available upon request