

# JAD MOAWAD

## Data Scientist

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in LinkedIn GitHub

## EXPERIENCE

### Postdoctoral Researcher University of Oxford

Septmeber 2023 – On going Oxford, United Kingdom

- Led quantitative analyses on savings and investing behaviors across Europe and the US, uncovering key patterns that informed policy recommendations.
- Designed and conducted randomised controlled trials to assess the impact of financial education interventions on investment behaviour. Treatment led to an 18 percentage point improvement in participants' final decision outcomes.
- Developed comprehensive survey instruments using Qualtrics, resulting in 15% higher completion rates and improved data quality.
- Managed complex pipelines, integrating, cleaning, and transforming data from diverse sources for cross-national comparative analyses.

### Expert Researcher European Commission

March 2022 – March 2023 Seville, Spain

- Analyzed microdata from 12 countries to identify critical trends in income and employment from 1980 to 2020
- Created policy briefings that directly informed EU-level economic initiatives, receiving commendation for clarity and actionable insights.
- Developed interactive dashboards that enabled policymakers to explore complex socioeconomic data, leading to more targeted intervention strategies.

### Ph.D Researcher University of Lausanne

Septmeber 2018 – August 2023 Lausanne, Switzerland

- Applied machine learning, multilevel modeling and causal inference methods to identify previously unrecognized patterns in socioeconomic data across 26+ countries.
- Designed and executed rigorous data harmonization protocols for large-scale, longitudinal, cross-national datasets comprising millions of observations.
- Created reproducible research workflows in R, enabling other researchers to build upon findings and ensuring analytical transparency.
- Published 3 peer-reviewed articles in high-impact journals, demonstrating strong analytical capabilities and research expertise.
- Presented research findings at 11 international conferences, effectively communicating complex statistical concepts to diverse audiences.

### Teaching assistant University of Lausanne

Septmeber 2018 – August 2023 Lausanne, Switzerland

- Taught data analysis techniques to undergraduate and graduate students using R, covering advanced methods, missing data handling, and text analysis; consistently earned 90%+ satisfaction ratings in teaching evaluations.

## EDUCATION

### Master of Science in Data Science

University of Texas at Austin

2023–2024 Austin, U.S.A.

### PhD in Social Sciences

University of Lausanne

2018–2023 Lausanne, Switzerland

### Master in Sociology and Demography

Pompeu Fabra University

2017–2018 Barcelona, Spain

### Master in Political Philosophy

Pompeu Fabra University

2016–2017 Barcelona, Spain

### Bachelor in Business Administration, emphasis in Financial Engineering

Notre Dame University

2010–2013 Zouk Mosbeh, Lebanon

## PROGRAMMING & SOFTWARE

Git/GitHub Python R SQL  
Power BI Tableau Qualtrics Excel

## SKILLS

Statistics A/B Testing  
Experimental Design (RCTs)  
Causal Inference  
Machine Learning Deep Learning  
Time Series Analysis Linear Regression  
Logistic Regression Multilevel  
Mixed models  
Project Management Survey research  
Public Speaking

## LANGUAGES

English ●●●●●

French ●●●●●

Arabic ●●●●●

- Provided individualized guidance on data cleaning, analysis, and visualization to 100+ students, enabling successful completion of research projects.
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## Business Intelligence Analyst      Lebanese Grand Laundry

### **LGL is the second largest industrial laundry in Lebanon**

📅 January 2014 – August 2016

📍 Beirut, Lebanon

- Developed interactive KPI dashboards in Tableau that improved production throughput by 7%, resulting in an additional 400 pounds of processed laundry per shift.
- Built predictive forecasting models that enhanced demand prediction accuracy by 12%, optimizing resource allocation and workforce scheduling.
- Collaborated with operations teams to translate data insights into process improvements, eliminating key bottlenecks in the production workflow.
- Designed strategic Tableau dashboards that transformed complex data into clear visual insights, directly supporting executive decision-making and organizational planning.