IBRAHIMA FIKRY DIALLO

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EDUCATION

National Institute of Statistics and Applied Economics   **Rabat, Morocco**

Highly selective Moroccan School of Engineering
*Master's degree in **Engineering**/ Major: **Operations Research and Decision Support***   *2021*

- **Relevant coursework:** Operations Research (Mathematical modeling, Decision Analysis, Logistics and Supply Chain management…), Data Analysis, Econometrics, Time series analysis and forecasting, Data mining, Project Management…

National School of Applied Sciences   **Kenitra, Morocco**

Computer Science and telecommunications   *2017*

Classes Préparatoires aux Grandes Écoles - Lycée Salmane Al Farissi   **Salé, Morocco**

Two-year intensive program preparation in advanced Mathematics and Physics for the highly   *2015*
 competitive entrance exams to the Moroccan and French Grandes Écoles d'Ingénieurs.

PROFESSIONAL EXPERIENCE

Career Break   **Casablanca, Morocco**

Professional Development   *July. 2022 – Feb. 2025*

- Business Analysis (SOGEPA Sarl Guinée, former Partner of the Company)
- Developed proficiency in R, Python, Excel through hands-on projects and courses
- Completed multiple certifications and Built a portfolio website to showcase skills and projects in Consulting, Data Analytics and Econometrics (Explore my Portfolio https://ibrahimafikrydiallo.com/)

ThinkONE Research & Consulting   **Casablanca, Morocco**

Internship/Data Analyst   *Feb. 2022 – July 2022*

- Statistical analysis of survey data and Dashboards building
- Research and implementation of statistical analysis methods for survey data (TURF, MaxDiff, Factor Analysis)
- Research and implementation of qualitative data analysis methods (Facial coding, Sentiment analysis)

OCP Group (formerly Office chérifien des phosphates)   **Casablanca, Morocco**

Internship/Predictive demand analytics on the phosphate market   *March. 2020 – Sept. 2020*

- Statistical modeling and forecasting of Corn and Diammonium Phosphate sales prices of two main customers.
  - Analyzed the time series with R and then used the ARCH/GARCH models for forecasting.
- Forecasting of phosphate consumption of two main customers using Machine Learning models.
  - Manipulated two databases of 14 variables each to Forecast Phosphate consumption using the Extrem Gradient Boosting (XGBoost) and Long Short-Term Memory (LSTM) models with prediction errors of 0.01% (LSTM) and less than 3% (XGboost) for each database.
- Built a Web application using R-Shiny.

LEADERSHIP EXPERIENCE, EXTRACURRICULAR & ACADEMIC ACTIVITIES

McKinsey Forward Program (McKinsey & Company)   *Dec. 2022 – May 2023*

- Successfully completed the free, five-month online learning program offered by McKinsey to equip young talent with must-have practical skills to succeed in the future of work.
- Modules completed: Adaptability & Resilience, Problem solving, Communicating for impact, Design thinking, Agile…

Great debaters INSEA – Vice president of the club   *Oct. 2019 – Sept. 2020*

- Participated in several debates and Public Speaking competitions and seminars (ISCAE-Casa, ISCAE-Rabat, EMI)

SKILLS /INTERESTS/MISCELLANEOUS

- **Technical Skills:** Data analysis (Excel, R, Python, SQL), R and Python Statistical programming, Data visualization (Tableau, Python, Excel, PPT), Machine Learning with Python and R, Mathematical programming and optimization (CPLEX, AMPL) …
- **Professional Certifications: Associate Data Analyst in SQL** (DataCamp, In progress, Expected Completion Date: March 2025) **Professional Data Analyst** (DataCamp, In progress, Expected Completion Date: March 2025), **Professional Data Scientist** (DataCamp, In progress, Expected Completion Date: March 2025), **Data Analyst in Tableau** (DataCamp, In progress, Expected Completion Date: March 2025)
- **Languages:** French (Native), English (Professional working proficiency/ https://www.efset.org/cert/6VvXGz)