Lamiaa Loukhmiri

STATISTICIAN| DATA SCIENTIST

CONTACT

Casablance

lamiaa.loukhmiri@gmail.com

0619610658

lamiaa-loukhmiri-Linkedin

github.com/Loukhmiri

SKILLS

- **Programming**: Proficient in Python, R, SQL, C++, Power Bi.
- **Statistical Analysis**: linear and logistic regression, ANOVA, hypothesis testing, time series and econometrics.
- **Machine Learning & Intelligence artificielle**: Regression, clustering (K-means, DBSCAN), NLP, Classification, Artificial neural networks (ANN), Forecasting, Data Mining, Deep Learning et Feature Engineering.
- **Data Wrangling & Analysis**: Data collection, cleaning, preprocessing.
- **Data Visualization**: Creating insightful visualizations using tools like Matplotlib, Tableau.
- **Big Data Technologies**: Knowledge of platforms like Hadoop, Spark, Hive.
- **Database Management**:SQL, MySQL.
- **Experimental Design**: Designing and conducting data experiments, A/B testing.
- **Version Control**: Proficient in Git for collaborative development.
- **Frameworks**: TensorFlow, Scikit-learn, XGBoost, Matplotlib, Keras, PyTorch .
- **Soft Skills**: Communication, Problem Solving, Adaptability, Time Management, Collaboration, Teamwork.

PROFIL

A graduate in applied statistics, I excel in data science, focusing on data cleaning, statistical modeling and visualization. Motivated by intellectual challenges, I aim to strategically leverage these skills to propel my career in data science and artificial intelligence.

EDUCATION

Master's degree in Numerical Methods and Applied Statistics. **2020/2022**

- Faculty of Sciences Aïn Chok Casablanca

Bachelor's degree in Mathematics and Applications. **2016/2020**

- Faculty of Sciences Aïn Chok Casablanca

High School Diploma in Mathematics. **2016**

- ALKHAOUARIZMI High School

EXPERIENCES

DATA ANALYST (INTERNSHIP) **09/10/2023 to 09/01/2024**

Sofrecom (Orange affiliate)

- Problem: Manual data visualization and KPI tracking due to data disorganization and lack of data links.
- Methods: Data analysis and organization in SQL, automated data visualization and dashboard creation in Power BI using DAX language and Python algorithms.
- Measurable results: 100% automation of KPI calculations.

MASTER'S THESIS PROJECT **02/2022 to 06/2022**

Faculty of Sciences Aïn Chok Casablanca

- Problem: Enhancing multiple sequence alignment efficiency to identify conserved motifs.
- Methods: Created an alignment algorithm using advanced metaheuristics in Python and Java to cut computation time. Applied parallelization techniques for faster alignment.
- Measurable results: Cut computation time by 50% for aligning large sequence sets. Boosted conserved motif detection sensitivity by 20% compared to traditional methods. Aligned datasets 10 times larger, showcasing algorithm scalability and efficiency.

BACHELOR'S DEGREE THESIS PROJECT **02/2020 to 07/2020**

Faculty of Sciences Aïn Chok Casablanca

- Problem: Optimization of portfolio management to maximize returns and minimize risks.
- Methods: Automated import and processing of financial data. In-depth analysis to select the most promising stocks. Use of time-series analysis techniques to identify trends and inflection points. Advanced modeling of portfolio performance and risk.
- Measurable results: Portfolio returns increased by 24%. Investment risk reduced by 10% through more effective diversification.

PROJETS

Credit Card Fraud Detection using Machine Learning

Auto Hall Stock Price Prediction (LSTM)

Binary Classification with a Bank Churn Dataset

Exploring spam messages using NATURAL LANGUAGE PROCESSING

Analysis of GDP (Gross Domestic Product) in Africa

LANGUES

Arabic: Native language.
French: Fluent.
English: Intermediate