Elhadji Diaraff D. DIAGNE

Data Scientist / BI Developer

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🔗 https://datascientist-portfolio.streamlit.app/

📍 North America (Canada)
West Africa
North Africa

ABSTRACT

As a skilled statistician and data scientist, I excel in project coordination and managing large datasets, including Big Data. My expertise extends to overseeing data collection operations and leading teams of interviewers for surveys and census projects. Proficient in various data mining tools, I possess the flexibility to meet diverse technical requirements and achieve project objectives effectively. With a keen eye for detail and strong analytical abilities, I specialize in synthesizing complex datasets and deriving meaningful insights. My technical prowess, coupled with intellectual curiosity and rigorous approach, ensures successful execution of statistical analysis projects in dynamic environments.

DIPLOMAS AND TRAINING

Jan. 2018 - Sept. 2019

Master's degree in Applied Mathematics and Computer Science with thesis
** University of Quebec at Trois-Rivieres Trois-Rivières, Quebec, Canada
Research topic: Discriminant Analysis and Multilayer Perception - Formal links and applications

Sept. 2018 - Dec. 2018

Machine Learning Module
** HEC of the University of Montreal Montréal, Canada
- Projects and prediction models via : Decision trees, random forests, neural networks, SVM, regression methods;
- Association rules applied to business data.
- Customer segmentation, credit scoring

Feb. 2016 - Aug. 2017

Bachelor's degree in Applied Statistics and Computer Science
** Institute for Studies and Training in Statistics and Project Management and Evaluation (INEFSAGEP Dakar, Senegal

Oct. 2013 - July 2015

Senior Statistical Technician
** National School of Statistics and Economic Analysis (ENSAE) Dakar, Senegal

CERTIFICATES

July 2020

Python for Data Science
IBM Canada

Sept. 2019

Certification : Machine learning with R
DATACAMP Online

Aug. 2019 - Sept. 2019

Certification : Package Tidyverse with R
DATACAMP Online

Apr. 2019 - May 2019

Certification: Introduction to SQL for Data Science
DATACAMP Online

PROFESSIONAL EXPERIENCES

Since Nov. 2020

Data Analyst Fraud and Income Insurance
** Orange-Mali Mali
- Data processing and analysis (SAS Viya, Python, SQL)
- Predictive modeling to anticipate fraud (Python)
- BI Development (Python SAS VIYA)

Mar. 2020 - July 2020

Artificial Intelligence Developer
** Maritime Innovation Rimouski
- Processing and analysis of sea level data;
- Forecast and prediction of daily sea level for the stations of Saint-Joseph, Saint-François and Vieux-Québec;

Aug. 2020 - Nov. 2020

Data Analyst
Montreal School Service Center (CSDM) Montreal, Canada
- Processing, analysing and reporting on educational achievement data;
- Development of online data collection applications;

May 2018 - Sept. 2019	**Research and teaching assistant** **** Statistics Laboratory in the Department of Mathematics and Computer Science at UQTR** Trois-Rivieres, Canada ○ Implementation of three machine learning applications for comparison of discriminant analysis models and the Multilayer Perceptron (PMC); ○ Responsible for assisting undergraduate students in Statistics and Probability.
Feb. 2016 - Jan. 2018	**Statistician & Regional Manager** **** National Agency for Statistics and Demography (ANSD)** Dakar, Senegal ○ Training of survey agents ; ○ Regional supervisor of 15 teams of survey agents ; ○ Management, processing and analysis of collected data; ○ Member of the analysis report writing team
Aug. 2015 - Jan. 2016	**Intern Statistician** **** Poison Control Center (PAC) of the Ministry of Health and Social Action** Dakar, Senegal ○ Development of the data entry application, processing, and analyzing the collected data. ○ Internship Topic: Epidemiology of snakebites in the municipalities of Nioro and Dioffior, including the treatments administered by traditional healers and the methods utilized.

SKILLS

Exploratory statistics & Data Science skills

○ Linear model, Logistic regression, Discriminant analysis,
Inferential Statistics, Multidimensional data analysis (PCA, CFA, MCA)
○ Time Series Forecasting
○ Machine learning (Decision trees, Ensemble Models, support vector machines)
○ Neural networks and deep learning
○ Natural language processing (NLP)
○ Big data technologies (Spark, Pyspark)
○ Database management (SQL, NoSQL)
○ Data visualization tools [Power BI, SAS Viya, Python (Streamlit, Dash), R (Shiny)]
○ Statistical software proficiency (R, Python, SAS, SQL, Stata)
○ Experimental design and hypothesis testing
○ Bayesian statistics
○ Text mining and sentiment analysis
○ Web scraping

Geomatics

Area map making, Geo-referencing, Representation of digital data in a map.
[Arcgis, Qsis et Philcarto]

COMPUTER SKILLS

Statistics & Data Science software

○ **SQL**
○ **PYTHON (Sckit-learn, Sreamlit, Dash)**
○ **SPARK (Pyspark)**
○ **R**
○ **SAS VIYA (Studio & Visual Analytics)**
○ **POWER BI**
○ **Stata**
○ **Cspro**

LANGUAGES

Wolof
○ Mother tongue

French
○ Fluent

English
○ Intermediate (B2)

Arabic
○ Intermediate (B1)

HOBBIES

Reading, Soccer, Travel

RÉFÉRENCES :

On request !