Yoro DIA

Education

2018-currently	**Ph.D. student, Applied Statistics** , *Thies University*, Senegal.
September 2019–June 2020	**Master Mathematics specialising in Big Data**, *African Institute for Mathematical Sciences (AIMS)*, Senegal.
2O16–2017	**Master II Mathematics specialising in Statistics and Business Intelligence**, *Alioune Diop University of Bambey*, Senegal, .
2O15–2016	**Master I mathematics specialising in Statistics and Business Intelligence**, *Alioune Diop University of Bambey*, Senegal, .
2012–2015	**Bachelors specialising in Statistics and Business Intelligence**, *Alioune Diop University of Bambey*, Senegal, .

Vocational experiences

June 2020-currently	**Internship**, *LIMSAD*, University Hassan II, Marocco.
	Internship at the Laboratory of Computer Science, System Modelling and Decision Support (LIMSAD). The topic of my project is COVID-19: Large-scale data collection
2017	**Internship**, *SENELEC*, Dakar, Senegal.
	Two-month internship at the national electricity company of Senegal (SENELEC). My objective was to supervise the statistical team for the migration of the data at the end of setting up a New System of the Information and Communication (NSIC).
2015	**Internship**, *sanitary district*, Thies, Senegal.
	Four-month internship in sanitary district of Thiès. The purpose of the internship was to collect and analyze data from the Expanded Program on Immunization (EPI) but also to administer the DHIS2 software.

Certifications

IBM certification	Data Science and Analytics
IBM certification	Data Understanding and Preparation
Certificate of Participation	Summer School in Statistics and Data Science for Young African Researchers

certificate of participation	First international conference of baol mathematics

Languages

French:	fluent
English:	intermediate
Wolof:	native language

Technical skills

- Data Scientist/Dataminer
- Coding(Python, R, SAS etc.)
- Research (ML/DL/BI.....)
- BI Developer (ETL/DWH/OLAP/Reporting...)
- Data processing and analysis
- Study of linear models, logistics, chronological ...
- Power AMC, MySQL SERVER, WampServer, oracle data base, MongoDB, Elasticsearch, Kibana.

Academic Projects:

- Datamining Project on the creation of a model of prevision on bank cards risks and flaws of payment

* Methodology: Exploratory analysis, logistic regression
* Software used : SAS (Statistical Analysis System)

- Analysis of poverty determinant in Senegalese agriculture

* Methodology: Exploration, analysis and data processing
* Software used: SPSS

- Data integration and applications integration

* Software used: Talend Open Studio and MYSQL

- Conducted of a survey on hygiene and diseases during the Magal of Touba 2016 in Ndaamatou Touba hospital.

* Methodology: Exploratory data analysis
* Software used : CSPRO, SPSS

- Conducted of a satisfactory survey on the COUD services

* Methodology : Exploratory data analysis
* Software used: SPHINX, SPSS.

- Master thesis: Contribution to road accident risk modelling

* Description: We used artificial intelligence to predict the occurrence of a fatal accident on Senegalese road traffic.

References

- Professor Franck Kalala Mutombo, Academy director AIMS Senegal, franckm@aims-senegal.org
- Professor Ousmane SALL, Lecturer Thies University (Senegal), osall@univ-thies.sn

Km2 Joal road (IRD center), AIMS Senegal – – Senegal – BP: 1418 Mbour
Senegal
 +221 77 785 25 54   ⊠ *yoro.dia@aims-senegal.org*   *2/2*