



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.
- 2016–2017 **Master II Mathematics specialising in Statistics and Business Intelligence**, *Alioune Diop University of Bambey*, Senegal, .
- 2015–2016 **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, Morocco.
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 Data Science and Analytics certification
- IBM Data Understanding and Preparation certification
- Certificate of Participation Summer School in Statistics and Data Science for Young African Researchers

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Senegal

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certificate of participation First international conference of baol mathematics

Languages

French: fluent

English: intermediate

Technical skills

- Data Scientist/Dataminer
- Coding(Python, R, SAS etc.)
- Research (ML/DL/BI.....)
- Epidemiological model, SIR model
- 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

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