



## Abdourahmane Ndiaye

Data science student

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### GENERAL COMPETENCES

Investement and listening

Organization

Teamwork

Object oriented programming

Database management

Data cleaning

Data analysis

### TECHNICAL COMPETENCES

#### Operating system :

Linux, Windows

#### Databases / Server :

Access, PostgreSQL, DBEaver

#### Programming languages :

Python , R , SQL, SAS

Git, Pascal

#### Libraries & Frameworks :

Scikit Learn, Pandas, Dash

numPy, nltk, dplyr, Rshiny

#### Softwares & Tools :

Vscode, Spyder, R Studio

Pack Office, Power bi

#### Languages :

English (fluent), Français(fluent)

### INTERESTS

- Reading ▪ Writing
- Psychology and cognitive science
- Sociology ▪ Drawing

## EXPERIENCE

### Rshiny applications developer

Cabinet Legal Quantum, Lyon

06/2023 - 08/2023

- Rshiny applications debugging, code reorganisation and adding new fonctionnalités.
- Management of the databases linked with the applications.
- Checking and changing accesses for the security of the company's datas.

**Languages & tools :** R, Rshiny, Rstudio, SQL, phpMyAdmin, git

### Natural language processing

laboratoire ERIC, Université Lumière Lyon 2

05/2022 - 07/2022

- Study and test different methods of topic modelling (NMF, NCPD, ONCPD) over tweet corpuses to detect trending topics.
- Formation on usage of git and python for data science.

**Languages & tools :** Python, git, Github Desktop, Vscode, Anaconda, Jupiter,

## FORMATION

### Master's degree SISE (Statistics and computer science for data science)

ICOM, Université Lumière Lyon II

09/2023 - 09/2024

**Class content :** Deep learning - Machine learning with python - statistical programming with R - Biostatistic - Data visualisation, BI and Cloud - NoSQL databases - Big Data mining - Big Data Technologies - Web mining and social media analysis - Natural langage processing - Variance analysis and experimental design

### First year of master's degree - Computer science

ICOM, Université Lumière Lyon II

09/2022 - 09/2023

**Class content :** Artificial neural networks - Clustering (kmeans, cah, kohonen cards, tandem-clustering, processing pipeline) - Business intelligence system (Modelisation, MOLAP and ROLAP) - Machine learning (test and model comparison with R) - Agile and SCRUM methodology for IT project management - Python - Databases SQL - SAS

### Bachelor's degree - MIAHS (Mathematics and computer science applied to humanities and social sciences)

ICOM, Université Lumière Lyon II

09/2019 - 09/2022

**Class content :** Python - R - Inferential statistics - Law class - php - Linear models - VBA - Statistical survey - Access databases - Data analysis - Probabilities - Pascal programming - Excel - Research methodology - Linear algebra - Cognitive science

## PROJECTS

### Analysis of car accidents data in France on the year 2021 via SAS :

- Data cleaning - descriptive statistics - inferential analysis - mapping of the car accidents.
- [https://github.com/Abdouragit/Projet\\_SAS\\_M1](https://github.com/Abdouragit/Projet_SAS_M1)

### Datamart creation from a clinics datas :

- Data cleaning - Datamart creation - Power BI Dashboard - Presentation pitch of the project's results.
- [https://github.com/Abdouragit/Projet\\_BI\\_medicodent](https://github.com/Abdouragit/Projet_BI_medicodent)