BUANI DOKI ENGOUE

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CORE SKILLS

- Statistics
- Databases
- Machine Learning
- Deep Learning

EDUCATION

Lille Graduate School of Engineering, Computer Science and Statistics   2020-2024

- Courses: Introduction to Deep Learning, Data Analysis,Machine Learning, Data Engineering, Optimisation

University of Lille, Technical University Diploma in Business Intelligence   2018-2020

- Courses: Databases, Data Analysis, Data Mining, Inferential Statitics

PROFESSIONNAL EXPERIENCES

Research and Development Engineer, Efrei Research Lab   Aprill 2024-September 2024

- Conducted a comprehensive literature review to identify and compare state-of-the-art supervised, unsupervised, and self-supervised machine learning and deep learning algorithms for Speech Emotion Recognition (SER) systems.
- Data collection, cleaning, analysis from audio from diverse sources to train and evaluate the model
- Developed a speech emotion recognition model , improving prediction accuracy for anger, sadness, and happiness by 10-20%

Tools: Python,Pytorch,librosa, Matlab,Streamlit,github

Data Steward, Orange Cameroun   Aprill 2023-July 2023

- Defined a data governance policy for 74 tables (11 million records).
- Ensured data quality, integrity, and consistency for over 700 business users through an algorithm.
- Implemented a web application for MySQL database operations and created an API for database information flow.

Tools: Horton Data Platform, ReactJs , .NET, SQL, Kubernetes, Docker, Azure DevOps, Github

PROJECT

Statistical analysis of scooter user satisfaction , Polytech Lille   Octobre 2023-Decembre 2023

- Exploratory data analysis to uncover opportunities for improvement in the scooter offering based on the characteristics of scooter users.
- Use of hierarchical clustering to identify groups of users.
- Statistical modeling of the effect of engine displacement on customer type using Analysis of Variance (ANOVA).

Tools: R,github

HOBBIES

- Basket-ball: Junior Champion 2014 and 2017, Ecole de basket, Douala,Cameroun