KONE HASSAN-AHMED SEKOU

DATA SCIENTIST/CHARGÉ D'ETUDE ECONOMIQUE ET STATISTIQUE/ DATA ANALYST

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- ✓ Gitbug: https://github.com/konehassan92

OBJECTIVE: To offer a collaboration on a permanent contract

Availability: ASAP

ABOUT ME

The real aim of my skills is, using mathematical and statistical processing software, to create, select, interpret and analyze data with the aim of structuring them for predictive, forecasting or explanatory purposes, so that they become real tools for public or private decision-making.

CAREER PATH

02-21 / 12-21 — Assistant data scientist/analyst/economist
TotalEnergies - Argedis (Rueil-Malmaison)

- ✓ Work organization according to the SCRUM agile methodology
- ✓ Data engineering:
  - Design and distribution of surveys for field and online requirements (Microsoft Forms)
  - Construction of databases from survey data for scientific data use - analytical data
  - Data quality control for operational management processes
- ✓ Data analysis: Analysis of qualifying attributes of service stations via factorial methods
- ✓ Data science: Econometric (mathematical and statistical) modelling of full-time equivalents and turnover
- ✓ Data Visualization: Construction and implementation of a service station performance monitoring application for "Intelligent Business"

03 - 18 / 08 – 18 — Assistant Trainee Statistician
Iconia Data Search, Abidjan (Côte d'Ivoire)

- ✓ Conducting univariate and bivariate descriptive statistics
- ✓ Preparation of needs expression workshops for the improvement of the quality of products proposed by Orange CI and Unilever CI
- ✓ Documentary research for the contextualization of studies

06 - 16 / 08 - 16 — Assistant trainee database management
NCA RE réassurance, Abidjan (Côte d'Ivoire)

- ✓ Cleaning of the claims and disputes database
- Classification by rules of claims and disputes in terms of processing time by regional markets

ACADEMIC BACKGROUND

2021 — Master 2 Economic and statistical researcher
University Lumière Lyon 2

BIG DATA, data mining, Econometrics, Data analysis, Innovation and health, Modelling for data visualization, Dynamics and forecasting, Geographic information system, Economic application research, Local public economics

2020 — Master 1 Economic Analysis and Policy
University Lumière Lyon 2

Categorical Variable Econometrics, Panel Data Econometrics, Time Series, Industrial Organization, Risk Economics, Game Theory, Contract Theory, Mathematics, Dynamic Macroeconomics, Experimental Economics, Spatial Economics, Study and Survey, Environmental Economics

2017 — Degree in economics - quantitative economics
University of Montpellier

Econometrics, Data analysis, Mathematics, Statistical inference, Descriptive statistics, Forecasting methods, Microeconomics, Macroeconomics, Financial analysis, Macro dynamics, Optimization in economic theory, Industrial organization, Business management

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PROFESSIONAL AND ACADEMIC PROJECTS

- ✓ BIG DATA analysis, company organization and work productivity with R, Python, SAS (Master 2 thesis)
  - Description and selection of quantitative and qualitative attributes determining the functioning of service stations
  - Integration of the automatic classification of service stations in an econometric model explaining hourly productivity in relation to daily turnover per activity
- ✓ Population analysis of departments in Auvergne-Rhône-Alpes with SAS (Master 2)
- ✓ Construction of a stock portfolio (TotalEnergie, NEO) and econometric forecast with VAR and ARIMA models with Python (Self-made)
- ✓ Analysis of offensive sports performance in league 1 'Uber Eat' on the 30th day of the championship (Self-made)

SKILLS

Skill File: https://github.com/konehassan92/CV-LM-COMP/blob/main/competences%20file.%20KONE%20HASSAN.pdf

IT

Data science/analysis/ Database management	Data visualization
Python	Tableau
R	Power BI
SAS	MicroStrategy
Microsoft Excel Advanced	QGIS
	Work organisation
SQL	Microsoft office enterprise: *Word, PowerPoint, Teams, Planner, Forms …* Google: *Colaboratory, Forms …*

Machine Learning

Time series	Classification
AR, MA, ARMA, VAR, VARMA	CAH, k-means, naïve Bayesian classifier, K-neighbours, decision tree, random forest

Econometric	Statistics
Linear, Multiple, ANOVA, ANCOVA, Probit, Logit, Individual effect, Regression tree, Dradient descent, Lasso, Difference-in-differences, Model with instrumental variables, Regression on discontinuity, random forest	Vector distribution, Point estimation, Confidence interval estimation, Parametric and non-parametric testing, Bootstrap, Discretization

	Factor analysis
	PCA, MCA, CA, FMA, DFA

Linguistics

French	English
Native language	Level B2 (professional)