



HOUSSEIN ABBOUCHI

DATA SCIENTIST

CONTACT

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Nersac, France
[Profile](#)
[Portfolio](#)

HARD SKILLS

Data Analysis: Pandas, Numpy
Data Visualization: Matplotlib, Seaborn, Plotly, Folium
Languages: Python, R, SQL, Fortran
Machine Learning: Scikit-Learn, Scipy
Deep Learning: Tensorflow, Keras
Web Framework: Flask
App Framework: Streamlit
Versioning: Git, GitHub
Cloud: AWS(EC2, S3, IAM)
Computer Vision: OpenCV
NLP: NLTK, SpaCy
Web Scraper: Beautiful Soup, Scrapy
Distributed Data Processing: PySpark
IDE: VS-Code, PyCharm, Jupyter

SOFT SKILLS

Adaptation & Autonomy
Curiosity & Multidisciplinary
Problem Solving & Analytical Skills

LANGUAGE

English - French - Arabic

ABOUT ME

I support companies to stay competitive in today's marketplace with working on their data: I make EDA with visualization for structured data, I develop prediction ML algorithms, I use NLP and CV for unstructured data, I deploy results with API & dashboards and I use PySpark for large-scale data processing.

WORK EXPERIENCE

Data Scientist | Jan 2022 - Nov 2022

***Cloud Model Deploying:** Images features extraction (VGG16) and pre-treatment for classification model, developing PySpark script for Big Data distributed processing and deploying on AWS (EC2, S3, IAM).

***Scoring Model Implementation:** pre-treatment customers bank data, creating bank score and classification model, developing a Flask App and deployed on Heroku cloud platform, developing a Streamlit App to present the customer loan approval and deployed on Streamlit cloud platform.

***Product Automatic Classification:** developing several NLP approaches (w2vec, bert, use) and CNN transfer learning (VGG16, ResNet50, InceptionV3), to improve the classification model feasibility.

***E-commerce Customers Clustering:** developing an Exploratory Data Analysis (EDA) and customer clustering (RFM)

***Forecasting Energy Consumption:** developing an EDA and energy consumption & CO2 emission regression model.

***Health Service Application Designing:** Developing an EDA and statistic uni-variate & multivariate analysis.

***Educative Data Analysis:** Developing an EDA for the educative data world bank

International Sales Engineer | Jul 2015 - Dec 2019

International sales engineer for surface treatment installation: managing all steps from the customer contact, technical solution design, commercial offer, contract negotiation, financial and payment arrangement, transport, assembly on site, and commissioning.

Stress Engineer | Oct 2010 - Jun 2015

for automotive, aeronautics and space structure: Finite Element Analysis for static, dynamic and non-linear problems using Nastran code. (MSC Patran, MSC Nastran, and MSC Marc)

EDUCATION

OpenClassRooms - Paris, France : 01/2022 - 10/2022

Master (RNCP level 7), Data Scientist

University of Poitiers - Poitiers, France : 10/2005 - 12/2008

Doctorat, Tribology