

IBRAHEEM EL ANSARI

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Skills

- **Langues:** Arabic, French, English
- **Programming languages and Aptitudes:**
 - Python (eg. Pandas, NumPy, Altair, Statsmodels, Scikit-learn, Fastai, PyTorch, PyAudio, investpy, Streamlit, Django)
 - R (e.g Tidyverse, Dplyr, ggplot2, Shiny, R Markdown, FactoMineR, Factoextra, Tseries)
 - HTML, CSS, SQL, Tableau, MS Power BI, GAMS, MS Office Suite, SPSS, EViews, STATA, Git Bash, Heroku CLI
- **Technical Skills:**
 - Regression** (Linear, Logistic, Polynomial, Quantile, Ridge, Lasso), **Classification** (Decision Trees, Random Forests, Naive Bayes, SVM), **Clustering** (k-NN, k-means, Hierarchical), **Dimensionality reduction** (PCA, MCA), **Deep learning** (CNN, RNN), **Data science pipeline** (Cleansing, Wrangling, Visualization, Modeling, Interpretation), **Hypothesis testing**, **Time series** (SARIMA, VAR, ARDL), **Project management** (Gantt, PERT, Trello).

Training and Experience

LACTIC

June 2021 – August 2021

Full Stack Developer Intern

Casablanca, Morocco

- Utilized Python Django to build websites for a Start-up and for a higher education institute.
- Worked hand in hand with a Figma UX/UI team to deliver elegant websites.

Ministry of Agriculture, Department of strategy and statistics

August 2020 – February 2021

Statistics and Strategy Intern

Rabat, Morocco

- Compared 5 sampling frame designs and determined which one the Ministry will use for future Agricultural surveys.
- Designed the questionnaire and supervised a team of 3 to survey to more than 600 farmers.
- Analyzed the collected data on Python and communicated the results on a Streamlit interactive Dashboard.
- Received a written appreciation note from Streamlit for using their framework for the internship.

Education

Mohammed V University - Faculty of Legal, Economic and Social Sciences

September 2019 – August 2021

Master's degree in Economic Analysis and Modelling

Rabat, Morocco

- **Major GPA:** 4.0
- **Relevant coursework:** Data Analysis, R Programming, Linear Algebra, Linear Programming and Optimization, Mathematical Statistics, Econometrics.

Mohammed V University - Faculty of Legal, Economic and Social Sciences

September 2016 – August 2019

Bachelor's degree in Economics and Management

Rabat, Morocco

- **Major GPA:** 3.8
- **Relevant coursework:** Linear Algebra and Optimization, Statistics, Econometrics, Sampling and estimation, Microeconomics, Macroeconomics.

Projects

- **Agriculture sampling frames** | Python, Pandas, NumPy, Streamlit
 - * Determined the sampling technique that will serve as a method for the analysis of future surveys.
- **Individual Preference Clustering Project** | R, FactoMineR, factoextra, R Markdown
 - * Used Data gathered from classmates to create clusters based on common preferences with 85% inertia.
- **Moroccan Pastries Classifier** | Python, Fastai, PyTorch, Pillow, Streamlit
 - * Developed a Web App for tourists's use in order to classify 10 types of Moroccan pastries with 95% accuracy.
- **Moroccan Stock Market Dashboard** | Python, Statsmodels, investpy, Streamlit
 - * Built an ARIMA model that predicts the Moroccan All Shares index with 99% MAPE accuracy (Updated daily).

Articles

- **Learn R basics with Simple Linear Regression and Time series** | R, Tseries, ggplot2
 - * Detailed article to get started in R that covers all the basics from declaring vectors to writing loops and if-statements.

Awards

- **English Access Micro-scholarship Program** September 2012 - July 2014
 - * English language program by the US Mission in Morocco for top students living in rural communities.