

IBRAHEEM EL ANSARI

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Skills

- **Languages:** 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

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.

Freelance, Minor jobs

Casablanca, Online

- Automated Excel sheets for Covid hospital Reports / for Cyber Security Penetration testing Reports.

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.