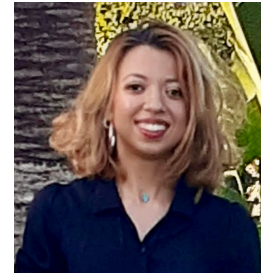# Houda BRIWA

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Linkedin: www.linkedin.com/in/briwahouda/

## EDUCATION

| | |
|---|---:|
| **Polytechnic university of madrid (UPM)** | Madrid, Spain |
| MSc in Data Science | 2019–2020 |
| **School of Information Science (ESI)** | Rabat, Morocco |
| MSc in knowledge and data engineering | 2015–2018 |
| **MPES Preparatory classes - Lycee Mohammed V** | Casablanca, Morocco |
| Two-year undergraduate intensive course in mathematics, physics and engineering science | 2013–2015 |

## EXPERIENCE

| | |
|---|---:|
| **Amazon** | Remote, Morocco based |
| FR Costumer Service Associate | oct 2020 - Jan 2021 |
| interacting directly with customers via phone, review policies, and provide effective solutions. | |
| **Novway** | Casablanca, Maroc |
| Junior Data Consultant | Apr 2019 - Aug 2019 |
| SQL quering, Data visualization (financial sector), SAS Viya Dashboards | |
| **Royal Air Maroc** | Nouaceur, Maroc |
| Data Scientist (Trainee) | Feb 2018 - June 2018 |
| Optimization of ULD management: predictive analysis of baggage (Time series: ARIMA) | |
| **Foodipex** | Nouaceur, Maroc |
| Data Analyst (Trainee) | Summer 2016 |
| McDonald's supply demand forecasting and stock optimization (Excel) | |

## PROJECTS, SEMINARS AND WORKSHOPS

**PROJETS**

- **Machine learning as helper component of emails (Second Master's thesis)**
  *Deep neural network-based models for classification tasks of natural language processing in Email system.*
  *(pre-trained BERT, ELMO, Python)*

**SEMINARS**

- **International Conference on Modern Intelligent Systems Concepts**, Rabat          December 2019
  *Results of My MFP:"Optimization of ULD management: predictive analysis of baggage Using Machine Learning"*
  *were presented during the seminar MISC 2018.*

**WORKSHOPS**

- **Leadership skills Workshop,** UPM                                    Oct 2019 - Feb 2020
  *LEADING DIVERSITY, MINDFULNESS CREATIVITY, CONFLICT MANAGEMENT, TEAM MANAGEMENT and NEGOTIATION.*

## TECHNICAL SKILLS

- **Data visualization:**  SAS viya, Shiny, seaborn and Plotly(python), Tableau
- **Programming language:**  Python, R
- **Computer vision:**  FFNN, Convolutional neural network, openCV
- **NLP:**  Tokenization,Regular expressions, word embeddings, BERT, ELMO models, transfer learning.
- **ML:**  K-nearest neighbors, SVM, feature subset selection, classification, spatial statistics
- **Statistics:**  PCA, Time series (ARIMA, Exponential smoothing, Hypothesis testing (Null test), ANOVA

## LANGUAGES

- **Arabic, French, English:**  Fluent
- **Spanish:**  Pre-intermediate A2

## PUBLICATIONS

1. Mounia Mikram, Maryem Rhanoui, Siham Yousfi, and **Houda Briwa**, "Unit Load Devices (ULD) Demand Forecasting in the Air Cargo for Optimal Cost Management", *Journal of Automation, Mobile Robotics and Intelligent Systems, March 2020*, vol. 14, no 3, p.71-80.