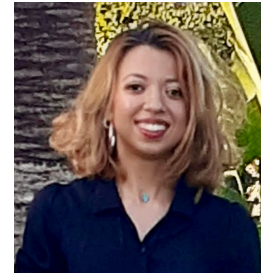# Houda BRIWA

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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)
- **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.