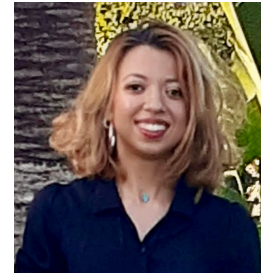# Houda BRIWA

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Dublin 4, Ireland
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EDUCATION

Technological University Dublin (TU Dublin)   Dublin, Ireland
PhD : "Model to predict Human Performance for collaborative intelligence applications"   2021–2025

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

TU Dublin   Dublin, Ireland
Early Stage Researcher   Sept 2021 - Aug 2024
Collaborating with other ESRs to develop a Collaborative Intelligence system under CISC MARIE CURIE
International Training Network

Deloitte   Casablanca, Morocco
Data Analyst   Jun 2021 - Sept 2021
maintaining and updating the Deloitte database in relation to the French teams and the entire Deloitte
network worldwide, Creating reporting / KPIs Dashboard for service needs (PowerBI Pro);

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, Morocco
Junior Data Consultant   Apr 2019 - Aug 2019
SQL quering, Data visualization (financial sector), SAS Viya Dashboards

Royal Air Maroc   Nouaceur, Morocco
Data Scientist (Trainee)   Feb 2018 - June 2018
Optimization of ULD management: predictive analysis of baggage (Time series: ARIMA)

Foodipex   Nouaceur, Morocco
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.

Scholarships and Awards

Marie Skłodowska-Curie Actions (MSCA) Scholarship	Europe Horizon
Competitive fully funded PhD scholarship within an Innovative Training Networks - CISC project	2021–2024
YGCA (Youth as a change Agent) Scholarship	EU-SEPIE
Fully funded scholarship to pursue a Master program in Spain	2019–2020