Imen Bouzidi

Portfolio: Imen
Github: BouzidiImen

Email: Bouzidi.imen@outlook.com
Mobile: +216-54-476-352
LinkedIn: Imen Bouzidi

EDUCATION

Higher Institute of Statistics and Information Analysis — Ariana, Tunisia
National Engineer Diploma in Statistics and Data Analysis — *September 2017 - July 2020*
Courses: *Mathematics, Statistics, Economics, Computer Science, Machine Learning*

Preparatory School for Engineering Studies — Tunis, Tunisia
Intensive preparation program for entry exam to engineering schools — *September 2014 - June 2017*
Major: *Mathematics - Physics*

Lycée Pilote Kasserine — Kasserine, Tunisia
Tunisian Scientific baccalaureate - Mathematics: Grade 16.42/20 — *September 2010 - June 2014*
High School for top ranked Tunisian students. Acceptance through a highly selective national exam.

EXPERIENCE

Creativ-Ceutical An international Market Access and HEOR Consultancy group — Tunis, Tunisia
Juinor Data Analyst: Health Economics and Outcomes Research department — *September 2020 - Present*

Datametrix — Tunis, Tunisia
Depression detection on social networks using Deep Learning: Graduation Project — *February 2020 - June 2020*

- **Data collection**: Crawled two types of labeled data related to users (Images and Texts) from three websites: Unsplash, Pexels and Twitter.
- **Data Preparation** : Pre-processed both visual and textual data and created a pipeline to easily load data.
- **Training models**: Trained multiple models:
  - RNN (Recurrent Neural Networks) based models for text classification to analyse and classify depressed users.
  - CNN (Convolutional Neural Networks) based models for image classification of depressed and not depressed users.
- **Saved Models**: Saved best models having the best performance for further predictions.

Pastor Institute — Tunis, Tunisia
Extracting external clinical signs of Leishmaniasis: Internship (Full-time) — *June 2019 - August 2019*

- **Exploratory Analysis**: Reviewed a data set of leishmania-infected dogs.
- **Cluster Analysis**: Clustered infected dogs based on their external clinical signs using Clustering techniques and Cluster Validation.
- **Article**: Concluded the study by writing the research paper.

Higher Institute of Statistics and Information Analysis — Ariana, Tunisia
R package for Sensory Analysis: Year-End Project — *January 2019 - May 2019*

- **Modeling**: Utilized unsupervised clustering functions, principle component analysis and cluster validation to understand consumer's behavior.
- **Functions**: Created multiple R-functions to easily manipulate data sets
- **Interface**: Designed and developed an adapted and user-friendly R shiny interface.

National Institute of Public Health — Tunis, Tunisia
Tunisia Health Examination Survey Program: Internship (Full-time) — *June 2018 - August 2018*

- **Pre-process Data**: Manipulated very large data sets, extracted information and tabulated the results.
- **Modeling**: Carried out descriptive statistics and multivariate analysis (linear regression & logistic binary regression).
- **Results**: Studied the epidemiological characteristics of diabetes in Tunisia: Population at risk, Prevalence & risk factors.

SKILLS SUMMARY

- **Programming Languages**: Python, R, SAS, SQL, SPSS, PHP, HTML
- **Libraries**: Scikit, NLTK, Keras, TensorFlow, OpenCV, NumPy, Pandas
- **Platforms**: Linux, Windows, GCP (Google Cloud Platform)
- **Soft Skills**: Stress Management
- **Languages**: English (Advanced) – French (Advanced) – Arabic (Native)

VOLUNTEER EXPERIENCE

Secretary General at Statisticians without frontiers. — Tunis, Tunisia
Organized events, conducted workshops and delivered workshops.