MARIANA CHAVES

Statistician and data scientist

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🌐 https://m-chaves.github.io/

ABOUT ME

I'm a **statistician and data scientist** with 7 years of working experience in data modeling, visualization, extraction, and transformation. Recently, I have been researching explainable and interpretable AI. In particular, prototype-based interpretable neural networks and local interpretable model-agnostic explanations (LIME). More broadly, I have been working with natural language processing and text classification models.

WORK EXPERIENCE

Research internship

I3S and Inria, France

📅 2022

Research on prototype-based interpretable neural networks approaches for text classification. This study lied on the framework of ANR TRACTIVE, a project that regroups researchers several disciplines for the understanding of gender representation in visual media. It involved implementing various NLP techniques and text classification models.

Research internship

Inria and Laboratoire J.A. Dieudonné of the Université Côte d'Azur, France

📅 2021

Research on model agnostic interpretability methods in the ambit of images. More specifically, improving resampling process for local interpretable model-agnostic explanations (LIME).

Junior data scientist

Walmart Supply Chain Analytics USA

📅 2018 - 2020

Directed and developed data analysis projects to provide agile solutions to business partners. Main projects included an anomaly detection system, statistical sampling design, and consumption layer design.

Data analyst

Walmart Supply Chain Analytics USA

📅 2017 - 2018

Worked in data extraction, transformation, and visualization. Main projects included statistical process control techniques and KPI development.

Data analyst

BAC Credomatic Regional Compliance Management, Costa Rica

📅 2016

Developed money laundering detection models for five Central American countries.

EDUCATION

MSc DATA SCIENCE AND ARTIFICIAL INTELLIGENCE

Université Côte d'Azur (UCA), France

📅 2020 - 2022

Honors Graduate (*Mention Très Bien*)

BACHELOR IN STATISTICS

University of Costa Rica (UCR), Costa Rica

📅 2013 - 2017

Honors Graduate

AWARDS

🏅 **Highest GPA among Statistics majors for three consecutive years: 2013, 2014, 2015.**
University of Costa Rica (UCR)

🏅 **Honorable Mention: Ninth highest score on Admission Exam 2012.**
University of Costa Rica (UCR)

🏅 **Honorable Mention: Highest score on Admission Exam 2012.**
Technological Institute of Costa Rica (TEC)

MAIN SKILLS

Python R LaTeX SQL

LANGUAGES

Spanish - C2 (Native)
English - C1
French - B2