

# MARIANA CHAVES

## Statistician and data scientist

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📍 Antibes, France

🇸🇨 Costa Rica 16/10/1995

## 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 Engineer

**Inria, France**

📅 2023 - Present

Research in natural language processing (NLP) focused on models and techniques that utilize argumentation and other text data derived features to identify propaganda in social media contexts.

### Research internship

**I3S and Inria, France**

📅 2022

Research on prototype-based interpretable neural networks, other text classification models and NLP techniques applied to the understanding of gender representation in visual media.

### 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. Main projects included an anomaly detection system, statistical sampling design, and consumption layer design.

### Data analyst

**Walmart Supply Chain Analytics USA**

📅 2017 - 2018

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

Portuguese - A2

