

# JACQUES DIAMBRA ODI

DATA SCIENTIST 📍 STONECREST, GA, UNITED STATES 📞 6784090623

## ◦ DETAILS ◦

Stonecrest, Ga, United States  
6784090623  
[jodiambra@gmail.com](mailto:jodiambra@gmail.com)

## ◦ LINKS ◦

[Github](#)  
[Portfolio](#)  
[LinkedIn](#)

## ◦ SKILLS ◦

Python  
SQL  
Machine Learning  
Exploratory Data Analysis  
Tableau  
Scikit-Learn  
Pandas  
Statistics  
Plotly  
Streamlit  
Imputation  
Time Series  
Deep Learning  
Deploying ML models  
Computer Vision  
KERAS/ Tensorflow  
Logistic Regression  
Linear Regression  
KNN  
Random Forest  
Support Vector  
CatBoost  
XGBoost  
Light GBM

## 👤 PROFILE

### Data Scientist

As a seasoned scientist, I have spent over 8 years working in a variety of research and development fields, always striving to gain a deeper understanding of the world around us. During this time, I have honed my skills in critical thinking, problem-solving, and data analysis, all of which have proven to be invaluable in my transition to the data science field. My passion for using data to uncover insights and drive decision-making led me to pursue a career in data science, where I can combine my scientific knowledge with advanced analytics techniques. With a strong foundation in statistics, programming, and machine learning, I can create models and algorithms that turn raw data into meaningful insights. I am eager to continue building my skills and applying them to real-world challenges.

## ★ PROJECTS

### Spotify EDA and Web Application

December 2022 | [Project](#)

- Collaborated with software engineers to build a website for our project
- Led a team of 4 to conduct exploratory data analysis and statistical analysis on Spotify playlists, with interactive data visualizations
- Discovered popularity trends was correlated with music events and pop culture: music awards, fashion shows, movies, super bowl, festivals
- Demonstrated presentation skills with YouTube livestream

### Megaline Plus

November 2022 | [Web Notebook](#)

- Used hypothesis testing to determine that the Ultimate plan brings in more revenue than the Surf plan
- Data suggested a marketing push towards the Surf plan would yield a higher cash on cash return
- Illustrated data usage to be the largest contributor to revenue
- Created a classification model to predict upgrade options for legacy plan holders, with 80% accuracy on an imbalanced dataset

### Ice Retail

November 2022 | [Web Notebook](#)

- EDA on video game retail store sales
- Created interactive visualizations, identified patterns that lead to successful sales and other data driven insights
- Formulated business strategy for advertising campaign to maximize profit in regional markets

### Sure Tomorrow Insurance

December 2022 | [Web Notebook](#)

- Applied machine learning and model tuning to identify similar customers
- Predicted whether a customer was likely to receive an insurance benefit
- Predicted the number of insurance benefits a customer was likely to receive
- Protected clients' personal data with obfuscation, without affecting model performance

## **Zyfra Gold Mining**

November 2022 | [Web Notebook](#)

- Conducted EDA on gold refining process and removed outliers in data
- Illustrated the change in metal concentration through the purification process
- Tested models to predict gold recovery, ultimately choosing a decision tree



## **EMPLOYMENT HISTORY**

### **QC Analyst | Arxada**

December 2019

- Analyzed chemical, raw materials, in-process materials, or release test samples in support of compliance with company standards
- Interpreted and evaluated the analyses in terms of accuracy and precision compared against established specifications; recommended, and implemented corrective action where necessary
- Successfully took on the challenge of analyzing a 120% increase in lab samples
- Reduced the analysis time for HPLCazole method by 130%
- Team lead of 3 chemists

### **Research Associate | RCUOG**

September 2016 — April 2019

- Teamed with 2 researchers in successfully identifying pro-inflammatory molecules involved in Areca nut carcinogenesis, using HPLC fractions (doi: [10.1038/s41598-017-18996-2](https://doi.org/10.1038/s41598-017-18996-2))
- Contributed to leading-edge Areca nut carcinogenicity data; compiled, analyzed, and interpreted results leading to 1 publication, and Areca nut intervention studies with Guam Cancer Research Center
- Presented data to community at conferences and developed further studies and experimental designs to address similar research concerns

### **Research Lab Assistant | PITT Dept. Biological Sciences**

September 2011 — April 2013

- Enhanced quantitative and qualitative analyses, such as sampling, testing, and measuring using specialized equipment, shaving 10% off analysis times
- Conducted DNA miniprep (purification) experiments with drosophila DNA with minimal supervision, followed experimental protocols



## **COURSES**

### **Data Science Bootcamp, Practicum US**

2022 — 2023



## **EDUCATION**

### **M.S. Biology, University of Guam**

August 2016 — April 2019

NIH/U54 Scholar

### **B.S. Biology, University of Pittsburgh, Pittsburgh**

August 2010 — April 2015