**Rossie H. Jimenez**

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**LinkedIn:** <https://www.linkedin.com/in/rossie-jimenez/> **| GitHub:** <https://github.com/RossieJimenez>

**GitHub Page:** <https://rossiejimenez.github.io/>

# Summary

Dedicated Data Analyst skilled in data wrangling, exploratory data analysis, and creating insightful visualizations. Proficient with tools like Tableau, Excel, R, Python, and SQL, and experienced in applying machine learning techniques for predictive analytics. Adept at querying and managing data from multiple sources and optimizing performance. Committed to continuous learning and staying current with emerging data science trends. Strong problem-solving abilities and a passion for delivering accurate, actionable insights while upholding data privacy and ethical standards.

**Skills**

**Programming Languages:** Python, R, HTML, CSS, SQL, VBA, JavaScript.

**Libraries/Technologies:** Pandas, NumPy, Matplotlib, Flask, SQLAlchemy, PostgreSQL, MongoDB, Jupyter Notebook, Bootstrap.

**Visualizations:** Tableau, D3.js, Leaflet.js.

**Machine Learning:** Keras, Scikit-learn, Supervised and Unsupervised Learning, Neural Networks, TensorFlow.

# Projects

**Predicting House Prices**

<https://github.com/RossieJimenez/House-Price-Prediction-Project>

* **Summary**: Developed a machine learning model using Random Forest Regressor to predict house prices.
* **Role**: Conducted data cleaning, performed exploratory data analysis (EDA), built the machine learning model, and developed the web application.
* **Tools**: Python, Pandas, NumPy, Matplotlib, Sci-kit Learn, HTML, CSS, Flask, JavaScript.

**Exploring Endangered Languages**

<https://github.com/RossieJimenez/Endangered-Languages-Project>

* **Summary**: Collaboratively developed an interactive map to visualize endangered languages, utilizing web development techniques to enhance data presentation and user engagement.
* **Role**: Developed the front-end web application, integrated interactive map features with pop-up details, and performed exploratory data analysis (EDA).
* **Tools**: Python, HTML, CSS, JavaScript, Leaflet.js, D3.js, Matplotlib.

# Professional Experience

**Laboratory Technician I – III**   
*University of Florida Department of Pharmacotherapy and Translational Research, Orlando, FL*

*August 2018 – Present*

* Collaborate with Principal Investigator Dr. Bulitta on various NIH-funded research projects to combat resistant bacteria.
* Managed and organized data using Excel and created plots and visualizations with Prism GraphPad, demonstrating proficiency in data presentation.
* Utilized critical thinking and analytical skills to support research teams, presenting findings and results.
* Implemented laboratory protocols and maintained accurate data records. Developed novel data sets and contributed to significant research publications.
* Presented research findings at prominent conferences such as ASM Microbe and ECCMID.
* Co-authored a significant publication in *Clinical Pharmacology & Therapeutics*.

# Education

**R Programming (Course)**  
*University of Florida, Gainesville FL  
May 2024 – August 2024*

* Acquired foundational skills in installing R, managing data sets, and performing basic data preparation and exploration.
* Gained experience in using R for descriptive statistics, graphics, and normality tests.
* Learned to conduct elementary statistical analyses, including mean comparisons, ANOVA, correlations, regressions, and proportion comparisons.

**Data Analytics and Visualization Bootcamp (Certificate)**  
*University of Central Florida, Orlando FL  
December 2023 – June 2024*

* Developed proficiency in Python programming, including the use of libraries like NumPy, Pandas, and Matplotlib. As well as intermediate Excel functions, VBA scripting, and fundamental statistics.
* Gained experience with SQL and NoSQL databases, including PostgreSQL and MongoDB.
* Built front-end web and back-end visualizations using Flask, HTML, CSS, Bootstrap, and JavaScript charting libraries.
* Created dashboards and business intelligence solutions with Tableau.
* Explored advanced topics like machine learning.

**R for Life Science (Course)**  
*University of Florida, Gainesville FL  
May 2023 – August 2023*

* Learned RStudio navigation, R project creation, and the use of key R packages for Life Sciences.
* Developed skills in customized data visualizations, basic statistical analysis, and Exploratory Data Analysis.

**Interdisciplinary Studies (BA)**  
*University of Central Florida, Orlando FL  
August 2019 - August 2021*

* Interdisciplinary curriculum with a concentration in Health Science and a minor in Cognitive Science.

Developed a broad understanding of complex issues through an integrated approach to health science and cognitive science.