Matthew Fritscher

Data Analytics Professional

Contact Information

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Technical Skills

Programming languages

- Python
- R
- SQL - (T-SQL & MySQL)

Data Visualization

- Tableau
- seaborn
- matplotlib
- ggplot

Machine Learning

- TensorFlow
- XGBoost
- scikit-learn

Other Tools

- pandas, numpy, scipy
- Excel Solver/Analysis Toolpak
- HTML5, CSS
- regex
- SAS, JMP
- STATA
- RapidMiner
- Web Scraping - scrapy

Languages

- Spanish - Professional Fluency ~C1
- Japanese - Beginner ~A2

EXPERIENCE

Project Manager

Louisiana State University - MS Analytics Consulting Project (First Guaranty Bank)

- Led a Tableau project for First Guaranty Bank, transforming raw deposit data into dynamic visualizations and expanding analyses with additional financial metrics.
- Organized a team of six Analytics Graduate students to analyze deposit data, design visualizations, document findings, and present insights to senior bank executives.
- Implemented Scrum and GitHub for version control, ensuring efficient project management and seamless collaboration.

Analytics Graduate Assistant

Louisiana State University - Center for Analytics & Research for Transportation Safety (CARTS)

- Collaborated with the analytics team to develop Python desktop applications for a Data Integration project, improving functionality and data accuracy by integrating data from various sources.
- Created a statewide Excel-based crash percentage calculator, simplifying data input and aligning the tool with DOTD standards for seamless integration with current data tracking processes.
- Refactored a Tableau application for HSIP to comply with MMUC5 convention, implementing dynamic calculations for an enhanced user experience and eliminating manual data updating.
- Streamlined web applications on the CARTS website by providing comprehensive documentation for Python scripts, enabling efficient troubleshooting and streamlined maintenance.

EDUCATION

Louisiana State University

M.S. Analytics - Information Systems & Decision Sciences

Louisiana State University

B.S. Economics - International Trade & Finance, Summa Cum Laude

Minor: Spanish

Universidad de Granada, Centro de Lenguas Modernas, Granada, Spain

Activities: LSU Tiger Marching Band (4 Years) - Trumpet