Sydney Lieske

Lakeland, FL | 863.414.7797 | SydLie.19@gmail.com | linkedin.com/in/sydney-lieske/ | github.com/slie9

EDUCATION

FLORIDA POLYTECHNIC UNIVERSITY   Lakeland, FL
Bachelor of Science   Expected May 2023
Major in Data Science; Concentration in Intelligent Mobility
Relevant Coursework: Data Analysis, Statistical Learning, Machine Learning, Data Analytics in Smart Cities

WORK EXPERIENCE

FAMILY TREE LEARNING CENTER
Daycare Worker   Jan 2017 – Feb 2018
- Prepared healthy foods and beverages for children based on optimal dietary guidelines and individual restrictions
- Maintained accurate and detailed records on enrollments, attendance, health and safety, emergency contact information, and incident reports

PROJECTS

EXPLORATORY DATA ANALYSIS IN R & PYTHON   Fall 2022
- Conducted exploratory data analysis of a US traffic accident dataset with 2.8 million records, producing multivariate data visualizations and summary statistics to extract valuable insights
- Created effective data models by splitting the traffic accident dataset into respective training and test sets, resulting in highly accurate predictive models
- Extracted meaningful insights to identify potential preventative measures to reduce the frequency and severity of accidents that occur each year

TIME SERIES ANALYSIS IN STATA   Spring 2022
- Utilized statistical forecasting techniques to accurately predict non-seasonally adjusted estimates of average weekly earnings and total employment for private employers in the Orlando-Kissimmee-Sanford area
- Conducted in-depth statistical analysis, utilizing summary statistics, time series line plots, and correlation and partial correlation analyses to uncover key trends and relationships
- Developed predictive models and leveraged techniques such as variable selection and rolling window forecast to achieve accuracy and precision

RECIPE APPLICATION IN AWS   Spring 2021
- Collaborated as a group to build a web application that was deployed on AWS cloud web hosting and utilized a properly configured network environment
- Developed a fully functional website enabling users to post and save their favorite recipes
- Designed and implemented DynamoDB tables for efficient storage of user data, including email addresses and names

SKILLS

- Programming Languages: R, Python, SQL, Stata
- Technical Skills: AWS, Tableau, Microsoft Excel, Microsoft Project
- Soft Skills: Problem-Solving, Communication, Teamwork