Sydney Lieske

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EDUCATION

Bachelor of Science: Data Science: Intelligent Mobility
Anticipated graduation: May 2023
Florida Polytechnic University

SKILLS

- R
- Stata
- Python
- SQL
- AWS

- Statistical Analysis
- Microsoft Excel
- Microsoft Project
- Problem-Solving

EXPERIENCE

Daycare Worker, 01/2017 – 02/2018
- Prepared healthy foods and beverages for children based on optimal dietary guidelines and individual restrictions
- Observed play activities to identify positive behaviors and areas in need of improvement, implementing behavior redirection when appropriate
- Maintained accurate and detailed record on enrollments, attendance, health and safety, emergency contact information and incident reports

PROJECTS

Time Series Analysis in Stata
- This project forecasts the March non-seasonally adjusted estimates of average weekly earnings and total employment for private employers for Orlando-Kissimmee-Sanford using data from the Federal Reserve Economic Data
- Provides summary statistics, time series line plots, correlation and partial correlation for total private employment and average weekly earnings
- Created model estimations and selections for total private employment and the average weekly earnings for all private employees using variable selections and rolling windows forecast

Exploratory Data Analysis in R
- Created an exploratory analysis of a US traffic accident dataset with 2.8 million records using R and RStudio
- Created multivariate data visualizations and summary statistics
- Split data into respective training and test sets to create accurate models
- Took insights to find preventative measures to reduce the number of accidents that occur in a year

Recipe App in AWS
- Collaborated as a group to develop a web app that is implemented using an AWS cloud web host and a database in a properly configured network environment
- Created a functional site that allowed users to post and favorite recipes
- Produced DynamoDB table to store user information such as emails and passwords