Sydney Lieske

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Education

Florida Polytechnic University   Lakeland, FL
Bachelor of Science
Major in Data Science; Concentration in Intelligent Mobility
Relevant Coursework: Data Science, Statistical Learning, Machine Learning, Time Series, Data Mining & Text Mining

Work Experience

Florida Polytechnic University
Student Affairs Generalist   May 2023 - Present
- Develop comprehensive documentation on best practices, providing guidelines for accurate data entry and analysis
- Review and analyze data visualization techniques and dashboards, generating accurate reports and valuable insights on career center activities.

Florida Polytechnic University
Data Intern - Career Services   Feb 2023 – May 2023
- Utilize Handshake to analyze data and create customized dashboards, providing insights into student and employer behavior
- Conduct data entry to maintain accurate records of employer calls and student engagement supporting data-driven strategies for improving student outcomes and employer partnerships
- Evaluate employers and jobs for students, providing recommendations for job postings and opportunities that align with their skills and interests

Projects

Exploratory Data Analysis In R & Python   Fall 2022
- Conducted exploratory data analysis of a US traffic accident dataset with 2.8 million records, using R and Python to clean, analyze, and visualize the data
- Produced multivariate data visualizations and summary statistics to identify patterns and trends in the data, including the factors that contribute to the frequency and severity of accidents
- Extracted meaningful insights, such as the most common times, locations, and weather, when they are most likely to occur

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

Skills

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