

ASHLEE MARIE PEREZ

codebyashlee@gmail.com · [LinkedIn](#) · [Github](#) · [Portfolio](#)

EDUCATION

Florida International University Miami, Florida
Master's in Public Health: Biostatistics

Florida International University Miami, Florida
Bachelor of Arts: Pre-Veterinary Curriculum

Languages - R, RShiny, SAS/SPSS, STATA, SQL, Python

SELECTED PROJECTS

Unveiling the Impact: The COVID-19 Pandemic and its Effect on Hospital Patient Census Across Four Florida Counties

- Automated import of 386 US Centers of Disease Control and Prevention (CDC) Community Profile Reports to calculate PCR-RT Positivity Rate for COVID-19, Daily counts for COVID-19 Positive Hospital Admissions, and Daily Hospital Utilization.

Association of Alcohol Consumption and Hours Worked in the United States (2017-2018)

- Utilized regression analysis through RStudio to examine possible association between alcohol consumption and hours worked from NHANES data (2017-2018), controlling for relevant demographic factors.
- Identified statistically significant associations, effectively communicated findings through clear and concise report, as well as oral presentation, highlighting key insights and implications for policy and intervention strategies.

Head & Neck and Thoracic Cancer Risk Amongst National Pre-COVID-19 Pandemic Survey Participants

- Conducted an in-depth analysis to identify factors influencing cancer risk using multiple regression techniques prior to the COVID-19 pandemic with a focus on tobacco product consumption from NHANES 2017-2018.
- Built and optimized multiple regression models to predict cancer risk based on selected variables using SAS/SPSS. Assessed statistical significance and interpretation to improve future preventative and diagnostic strategies.

EXPERIENCE

Bayer May 2024 - Present
Process Insights & Analytics Intern Remote

- Design novel product solutions for to measure genome sequencing workflows and deployed interactive KPI dashboard through RShiny.
- Collaborate with cross functional teams to integrate metrics of interest to optimize workflows.

Florida Department of Health Jan 2024 - May 2024
Applied Epidemiology Intern Miami, Florida

- Cleaned, manipulated, and managed large epidemiological data sets using statistical tools (e.g., R, SAS/SPSS, Excel) and created interactive visualizations to communicate public health trends and findings.
- Independently developed and applied statistical models to interpret health data and support decision-making processes for resource allocation.**
- Hosted presentations on Fatal and Non-fatal Drownings, Risk factors, and Prevention strategies through a community outreach program - Foster Grandparents of Miami.**
- Developed and provided detailed presentation on statistical findings on poison exposure within Miami-Dade County, as well as actionable insights for public health initiatives.

Southeast Veterinary Neurology April 2023 - Jan 2024
Patient Care Coordinator Remote

- Independently initiated and currently leading the development of a comprehensive data collection and analysis software to measure and optimize team performance metrics.**
- Employ data visualization tools like Excel and R to present call metric trends and patterns, aiding in data interpretation.
- Optimize data collection processes, resulting in improved efficiency and a more streamlined approach to gathering essential call metric information.