

# SANGIT REGMI

Statistician

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## Summary

Arkansas State University Summer Research Intern proficient in experimental design and data analysis with SAS and R. Identified significant impacts on genome expression and improved student performance. Transitioned to Graduate Research Assistant, excelling in data management and analysis, enhancing sales revenue and forecasting models for inventory.

## Experience

Arkansas State University Jonesboro  
Summer Research Intern (Dyslexia Project) 06/2022 - 08/2022

- Applied design of experiments for student groups of 50, adhering to IRB protocols to enhance understanding of alphabets and numbers by the student group
- Employed SAS and R to meticulously analyze and counterbalance pilot test output data, extracting valuable insights
- Implemented project efficiency enhancements by introducing rigorous significance testing methodologies and deploying a diverse array of statistical tools and procedures in SAS

Arkansas State University Jonesboro  
Graduate Research Assistant 07/2021 - 08/2023

- Leveraged R programming (dplyr, tidyr, ggplot2, shiny) to analyze genome data within a pollutant research context, yielding valuable insights into gene expression patterns
- Conclusively identified phosphorus as having one of the most pronounced and statistically significant impacts on genome expression
- Assisted doctors from Arkansas State University in analyzing inpatient and outpatient data using SAS
- Conducted data cleaning and augmentation, removed outliers to eliminate bias, and utilized the refined data for experimental design
- Conducted interactive training sessions for over 70 students, equipping them with the skills necessary to pass SAS Base exams with a pass rate of 90%
- Collaborated with instructors to develop comprehensive study guides for a course of 50 students, resulting in a class average increase of 10% on the final exam compared to previous semesters
- Utilized R to analyze data from virtual tutoring sessions (Surveys, Grades, Session Attributes), identifying areas of improvement and implementing targeted strategies that resulted in a 15% increase in student performance

Sahooji Kathmandu  
Co-founder/ Manager/Analyst 01/2018 - 01/2020

- Implemented efficient data management strategies that ensured the accuracy and reliability of data used for decision-making processes, resulting in a 15% increase in overall data quality
- Conducted comprehensive data analysis using advanced Excel functions and pivot tables to identify key trends and patterns, resulting in a 15% increase in sales revenue
- Implemented data-driven forecasting model that accurately predicted customer demand, reducing inventory costs by 10% and improving order fulfillment by 20%

## Education

Arkansas State University  
Masters of science in Statistics 08/2021 - 08/2023

Trichandra Multiple Campus  
Bachelors of science in Data Analytics 01/2014 - 01/2018

## Skills and Tools

Advanced excel • Data Quality • Dplyr • EXCEL • ggplot2 • hypothesis testing • Latex • Pivot Tables • predictive modeling • R Programming • regression analysis • SAS • SQL • statistics • Tableau • Time Series Analysis • Adams • Hypothesis Testing

Certified SAS Base Programmer • Tableau Certified Desktop Specialist