Neetu Regmi

Lincoln, NE
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Work Experience

Graduate Teaching Assistant
Department of Statistics - Lincoln, NE
August 2021 to Present

• Instructor of STAT 218: Introduction to Statistics I
Taught: One and Two Proportion Tests, One and Two Sample T-Test, Paired Designs, and Simple Linear Regression
• Instructor of STAT 318: Introduction to Statistics II
Taught: One and Two-way ANOVA, Multiple Regression, Logistic Regression, Introduction to R
• Instructor of STAT 380: Statistics and Application
Taught: Probability, Random Variables, Probability Distributions, Sampling Distributions, One and Two-Sample
Estimation and Confidence Intervals

Statistical Consulting, Animal Science
March 2023 to April 2023

• Provided Statistical Collaboration for a master's project evaluating calf growth and cow repr oduction when supplemented during the last trimester of gestation with methionine hydroxyl analog. Statistical Analyses provided were
Repeated Measures Design.

Department of Agriculture and Horticulture
Statistical Consulting
February 2023 to March 2023

• Provided Statistical Collaboration for a Ph.D. project concerned with comparison of herbicides for control of resistant
Palmer Amarnath in NON-GMO Corn. Statistical Analyses provided were Randomized Complete block design with 18 herbicides.

Statistical Consulting
Dental school UNMC
January 2023 to February 2023

• Provided visualization using ggplot in R to survey data regarding treatments and years of experience.

Statistical Consulting
Department of Biological System Engineering
September 2022 to December 2022

• Provided Statistical Consulting for class project concerned with finding optimal level of different factors for higher biomass production for field pea and chickpea for sustainable agricultural production. Power Analyses with Statistical

Analyses including Report were provided for Randomized complete block with Split-Split plot design.

U.S. Bank, Bank Teller - Olathe, KS
September 2019 to May 2020

• Cash handling: Responsible for handling and processing cash transactions such as deposits, withdrawals, and cashin g checks.
• Customer service: Answering client questions, resolving issues and helping customers with their banking needs.
• Sales: Promoting bank products and services to customers, such as credit cards, loans and other financial products.

Department of Mathematics, Mathematical Researcher

Hattiesburg, MS
March 2019 to August 2019

• Collaborated Paper "Network Horizon Dynamics I: Qualitative Aspects"
Discussed connectivity properties involving horizon sizes of nodes and shifts in the overall topology of the network.
PROJECTS

Education

Master of Science in Statistics

University of Nebraska Lincoln - Lincoln, NE
May 2023

Bachelor of Science in Mathematics

William Carey University - Hattiesburg, MS
May 2019

Skills

• Experimental Design: Hierarchical Designs, Repeated Measures, Linear Model Theory, Mixed Model Theory, Generalized
Linear Mixed Model, logistic, Poisson and Negative Binomial Regression, Zero Inflated and Hurdle Models
Multivariate Analysis: PCA, Factor Analysis, MANOVA, Canonical Correlation, Discriminant Analysis, Classification Trees,
Regression Trees, Random Forests, Bagging and Cluster Analysis
Statistical Collaboration: Statistical Consultation and Collaboration with other university departments
Computer: R, R markdown, SAS, SQL, LaTeX, Microsoft products (Excel, Word, PowerPoint, Outlook)
Additional Resources: Categorical Analysis, Applied Bayesian, Bioinformatics, Advanced Experimental Design, Non-
Parametric Statistics