JESSICA CLAIRE

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SKILLS

- Hypothesis Testing (4 years)
- Linear/ Generalized Linear Regression (4 years)
- Bayesian (2 years)
- ANOVA/ ANCOVA (4 years)
- Survival Analysis (2 years)
- t-Test/Chi-squared Test (4 years)
- SQL (4 years)
- SAS (4 years)
- R (2 years)
- Python (1 year)
- MS Access (2 years) MS Office Word, Excel, PowerPoint (10+ years)

EDUCATION

University of Michigan
Ann Arbor • 05/2014

Master of Science: Biostatistics
- 3.7GPA
- Coursework in statistical inference, linear regression, logistic regression, ANOVA, survival analysis, Bayesian, large sample theory, categorical data analysis

Bowling Green State University
Bowling Green, OH • 05/2012

Master of Arts: Applied Mathematics
- 3.8GPA
- Coursework in advanced calculus, partial deferential equation, linear algebra, matrix, numerical analysis

PROFESSIONAL SUMMARY

Dedicated and motivated data analyst and SAS programmer. Perceptive and logical data analyst with the proven ability to communicate with education policy makers to identify and translate educational requirements and design models. Offer 3 years of experience lead teams of talented professionals to develop valuable process solutions to meet education objectives.

WORK HISTORY

Lutheran Immigration And Refugee Service - Education Research Analyst III
CA, State • 09/2014 - Current

- Extensive data manipulation using SAS, SQL, Excel and Access.
- Developed database objects, including tables, views and materialized views using SQL.
- Analyzed relationships of various indicators and draft research reports for education policy makers using statistical techniques such as linear regression analysis, logistic regression, ANOVA analysis, T-test, Kappa test, and other emergent methodologies in educational statistics.
- Summarized, interpreted and presented results from statistical analysis. Drafted research reports for a variety of audiences, including education policy makers and practitioners.
- Presented at meeting with policy makers and superintendent of LDOE.

Allina Health Systems - Programmer and Student Consultant
Fridley, MN • 08/2013 - 04/2014

- Designed analysis based on the requirements of investigator
- 2 years experience in developing programs to perform statistical analysis and descriptions of data with logic reasoning
- Summarized, interpreted and presented results from statistical analysis
- Served as consultant regarding analytical methodology and programming
- Projects : Analyze the Cohort Difference in different demographic group by comparing rate of Cognitive Decline; Comparing Ann Arbor AI Grading Scheme and Gluckberg Grading Scheme by simulation; Survival Analysis for HPV+ impact on Head and Neck Cancer; Detecting effect of Helmet Law Modification in Michigan by Logistic regression; Detecting Biomarkers Associated with Engraftment Syndrome

University Of Michigan - Teaching Assistant
City, STATE • 08/2013 - 2014

- Instructed small groups of students in statistical inference
- Graded test and homework
- Help professor prepare exam paper by LaTex

Bowling Green State University - Instructor
City, STATE • 07/2010 - 04/2012

- Gave lecture in Pre-Calculus and College Algebra for a class of 30 college student
- Graded homework and test