Christopher Cole

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EDUCATION

Master of Science in Statistics
University of Arizona *Tucson, AZ* • December 2020
Relevant Coursework: Advanced Statistical Regression Analysis • Applied Multivariate Statistics in Education • Design of Experiments • Biostatistics for Research • Applied Time Series Analysis

Bachelor of Science in Informatics • Cognate: Business • Minors: Mathematics, Philosophy
Indiana University *Bloomington, IN* • May 2018
Relevant Coursework: Computing Tools for Scientific Research • Python for Data Analysis • Introduction to Health Informatics

TECHNICAL SKILLS

R • Python • SAS • MATLAB • SQL • GitHub • Excel • Access • HTML • PHP • CSS • MySQL • XML • SQL Server • Photoshop • JavaScript • JQuery

EXPERIENCE

Biomarker Programming Intern at Gilead Sciences, Inc., *Foster City, CA* June 2020 - August 2020

- Developed an R-Shiny app that displayed biomarker data in an interactive page and showcased it to 60+ people within the Biometrics department at the end of the summer
- Collaborated with a team and explored new technologies to increase biomarker programming efficiency and analysis reproducibility
- Implemented statistical features that the team can now showcase more easily for future health data through using modules

Master's Thesis at University of Arizona, *Tucson, AZ* August 2019 - May 2020

- Studied benchmark doses and assessing risk in multiple stimuli, which is rare and less common than one factor data in risk assessment
- Ran computer intensive Monte Carlo simulations in order to find coverage probabilities
- Presented these findings in a master's thesis which was successfully defended to three faculty members.

Data Science Intern at Cisco, *San Jose, CA* May 2019 - August 2019

- Performed sentiment analysis on text-based columns in case dataset in order to help identify customer satisfaction
- Used sentiment analysis findings to create word clouds and n-grams to pinpoint phrases that were common in escalated cases
- Created a model to help try to predict which cases would escalate given certain criteria and articulated the findings to my team in a conference

Data Analyst Intern at LexisNexis Risk Solutions, *Martinsville, IN* June 2017 - August 2017

- Produced queries in SQL Server to find police reports that met specific criteria analyzing hundreds of reports a week
- Quantified information from police reports by making charts and pivot tables using Excel
- Ensured that information entered was transferred accurately by parsing the XML files of police reports