

Michael J. Ingram

Data Analyst

SOFTWARE SKILLS

R, C++, Python, MySQL, PostgreSQL, Excel, SAS, HTML, CSS, JavaScript, \LaTeX , command line/terminal

WORK EXPERIENCE

MARCH 2017 – DECEMBER 2017

Huntington Learning Center, CO & MO

Math and Statistics Tutor

Subject Tutoring for High School Math including Geometry, Algebra, Trigonometry, Calculus, AP Stats as well as ACT and SAT exam preparation

PROJECTS

People's Preferred News Source For Equine Disease

- Experience with statistical consulting on a research project from Veterinary Science department at CSU.
- Performed statistical analysis to answer the question which media outlet is the preferred information source when their horse becomes ill
- Used a number of statistical methods including Multinomial Logistic Regression, Logistics Regression with a Random Variable, and Chi-Square Tests.

HONORS AND AWARDS

JUNE 2017

ASA and CAUSE

Honorable Mention at the USCLAP (Intermediate) competition

Senior Statistics Research Project entitled *People's Preferred News Sources for Equine Disease Information* was awarded at the June 2017 USCLAP (Intermediate) competition. Competition sponsored by the American Statistics Association.

APRIL 2017

Colorado State University, Fort Collins, CO

College Honors in Research

Senior Statistics Research Project entitled *Peoples Preferred News Sources for Equine Disease Information* was awarded at the CURC showcase.

190 Washington Avenue
Apt 10
Golden, CO 80403
(636)484-0824
mji45887@gmail.com

EDUCATION

Bachelor of Science *Statistics*
Colorado State University

RELEVANT COURSEWORK

Statistical Consulting

- Statistical Consulting Project (See Projects)
- Multinomial Logistic Regression
- Logistics Regression with a Random Variable
- Chi-Square Test

Statistical Computing and Simulation

- Advanced Sampling
- Monte Carlo Methods
- R Markdown

Statistical Analysis

- Linear Regression Models
- Residual Analysis
- Non-linear Regression
- Variables Selection
- Single and Multi-factor ANOVA Models
- Randomized Block Design
- Latin Squares

Data Structures

- Linked Lists
- Stacks, Queues and Deque
- Binary Trees
- Binary Heap and Hash Tables
- Introductory Algorithm Analysis

Mathematical Statistics

- Random Variables and Distribution Functions
- Expectation and Transformations
- Estimation and Testing
- Confidence Intervals
- Sampling Distributions