B. Wyatt Clegg
Hyde Park, UT 84318 | wyattclegg@gmail.com| (435) 881-2300 (cell/text)

Education

Master of Science of Statistics, April 2018
Brigham Young University, Provo, UT
Advisor: Dr. C. Shane Reese
Partial Scholarship 2017-2018

Bachelor of Science of Statistics, April 2018
Biological Science Emphasis
Minor, Mathematics
Brigham Young University, Provo, UT

- Dean's List Winter 2015, Spring 2015
- Full Academic Scholarship 2011-2012, 2014-2017
- Overall GPA: 3.89
- Used R, SAS, SQL, and C for statistical analyses in class.
- Classes in Machine Learning, Regression, Multivariate Analysis, & Experiment Design.

Experience

Los Alamos National Laboratory*;* Los Alamos, NM
Graduate Research Intern*; 40 hrs/week;* Jul 2018 – Aug 2018; Jun 2017 – Aug 2017
-Created a Bayesian reliability algorithm for explosive trains, along with an interactive Rshiny Application.
-Object-oriented programming in R, created a RShiny application .

Brigham Young University College of Engineering; Provo, UT
Graduate Research Assistant*; 10 hrs/week;* Dec 2016-Apr 2018
-Hierarchical modeling for ranking Utah's roadways, comparing expected and actual crash severities.
-Edited and assisted in writing reports for Utah Department of Transportation.

Ultra Air Research; Grace, ID
Farm Laborer*; 60 hrs/week;* Apr 2016-Aug 2016
- Maintained farm equipment, solved critical problems to ensure continued productivity.

Brigham Young University College of Math and Physical Sciences; Provo, UT
Teaching Assistant*; 10 hrs/week;* Feb 2015-Apr 2015*,* Aug 2016-Dec 2016
-Wrote rubrics, dealt with student concerns.
-Graded and instructed in continuous probability and linear algebra.

Brigham Young University Math Education Department; Provo, UT
Translator*; 20 hrs/week*; Aug 2015-Oct 2015

References

Dr. David Collins, Los Alamos National Laboratory; Email: dcollins@lanl.gov
Dr. Matthew Heaton, Brigham Young University; Email: mheaton@stat.byu.edu

Internal Reports

B. Wyatt Clegg, “Predictive Crash Severity Distribution for Utah State Roadways Based on Facility Type”. Master's Project, submitted to Brigham Young University April 2018.

Marlee L. Seat, E.I.T., Grant G. Schultz, Ph.D., P.E., PTOE, **Wyatt Clegg**, Mitsuru Saito, Ph. D., P.E. “Using LiDAR Data to Analyze the Safety Impacts of Raised Medians”. Submitted to the Utah Department of Transportation, July 2017.

Grant G. Schultz, Ph.D., P.E., PTOE; Marlee L. Seat, EIT; Mitsuru Saito, Ph.D., P.E.; **Wyatt Clegg.** “Utilizing LiDAR Data to Analyze Access Management Criteria in Utah”. Submitted to Utah Department of Transportation, Summer 2017.

Presentations

“Reliability of High Explosive Trains”, Los Alamos National Laboratory Statistical Sciences Group, August 2018.

“Predictive Crash Severity Distribution for Utah State Roadways Based on Facility Type”, C. Shane Reese, Del T. Scott, Natalie Blades, BYU Masters Thesis Committee, March 2018.

“A Monte Carlo Simulation Program for Adversarial Models”, Los Alamos National Laboratory Statistical Sciences Group, August 2017.

“A Monte Carlo Simulation Program for Adversarial Models”, Clegg, B. W., Collins, D. H., and Huzurbazar, A., Los Alamos National Laboratory Student Symposium, Poster Presentation.

“Model Comparison for Roadway Median Analysis”, BYU Student Research Conference, January 2017.

Hobbies & Interests

- Snowskiing
- Snowboarding
- Motorcycling
- Hiking & Camping
- Travel