Jacob M. Merrell

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EDUCATION

Brigham Young University, Provo, UT
Bachelor of Science, Actuarial Science
- Cumulative GPA 3.91
- Certificates: SAS Programming, and Advanced Statistics
- Examples of projects can be found on my website: jmmerrell.github.io

EMPLOYMENT HISTORY

Statistical Research Analyst *Brigham Young University*
Provo, UT
September 2017 – November 2018
- Involved in denumeration project which uses linear models to de-identify health data
- Used probabilistic linkage methods, and random forests to match two data tables
- Created quadratic discriminant analysis model to identify malignancy of cancerous tumors

Actuarial Analyst *Milliman*
Salt Lake City, UT
December 2015 - August 2017
- Helped price individual and small group rates for multiple carriers, as well as generate their rate tables
- Aided in formulating accrual recommendations for an employer by calculating the changes in large claim experience
- Developed a process to streamline the creation of pro forma scenarios which showed high and low estimates for the gain/loss

Actuarial Intern *SelectHealth*
Murray, UT
May 2015 - August 2015
- Analyzed claim distributions and ran simulations to price a reinsurance product
- Created automated monthly reports in Excel; this included writing code to query Oracle SQL using VBA

Statistical Research Assistant *Brigham Young University*
Provo, UT
January 2015 - August 2015
- Led a group of 28 student research assistants for Brigham Young University's statistical program
- Involved in a project to determine mortality rates of U.S. immigrants and pioneers who journeyed westward

Statistics/Property Valuation Intern *Church of Jesus Christ of Latter-day Saints*
Salt Lake City, UT
May 2014 - Dec 2014
- Created VBA tools to dynamically optimize decision making for the land acquisition and sizing of Church temples worldwide; helped save $72 million for organization
- Analyzed economic indicators and created a multiple regression model to predict land values

CERTIFICATIONS AND SKILLS

- Skills: Discriminant Analysis (LDA and QDA), Random Forest, Imputation, Time Series, Regression
- More detail about data analysis projects can be found on my website: jmmerrell.github.io
- Programming Languages: R, SQL, Python, VBA, SAS, Spark, Tableau
- Actuarial Exams: Financial Mathematics (FM), Probability (P), and Models for Financial Economics (MFE)
- Public speaking; addressed an audience comprised of members of the Federal Reserve Bank, and 500 other students
- Fluent in Spanish (speaking, writing, and reading)