
OVERVIEW

- Motivated and data-driven with a passion for quality, reproducibility, and transparency. Experienced in research and healthcare policy. A team player with the ability to communicate with technical and non-technical audiences.
- *Software:* R, Python, SAS, SQL, Excel
- *Projects:* Dating and marriage survey sampling, wind data visualizations
- *Certification:* SAS Certified Specialist: Base Programming Using SAS 9.4

EDUCATION

Master of Science in Analytics Expected May 2021
Institute for Advanced Analytics, North Carolina State University, Raleigh, NC

Bachelor of Science in Statistics December 2019
Brigham Young University, Provo, UT

PRACTICUM: FIFTH THIRD BANK

- Clean and analyze over 250 GB of big data (1.7 billion rows) of deposit and payment transaction-level data
- Use natural language processing and data mining techniques to evaluate the impact of the COVID-19 pandemic on household cashflows and spending habits throughout the Midwestern and Southern United States
- Perform unsupervised learning methods (segmentation, clustering, and topic modeling) to deepen Fifth Third's understanding of consumer behavior
- Develop features to enhance the Bank's decision engine and future predictive modeling capabilities
- Identify actionable business insights and underserved consumer needs for Fifth Third's use in product development

PROFESSIONAL EXPERIENCE

Leavitt Partners Salt Lake City, Utah
Data Team August 2016—June 2020

- Completed projects ranging from data extraction, data scrubbing, and database management
- Updated information about 1,000+ clinics/hospitals in United States and Puerto Rico for Leavitt Partners database
- Built imputation models to spatially predict private insurance coverage in R

BYU Physics Provo, Utah
Research Assistant May 2019—January 2020

- Performed 600+ data visualizations on varying wind spectra to determine wind pollution using R
- Researched wind data collection in connection with a machine learning classifier
- Published in the *Journal of the Acoustical Society of America*

VOLUNTEER EXPERIENCE

The Church of Jesus Christ of Latter-day Saints Atlanta, Georgia
Volunteer Proselyting Missionary June 2014—June 2016

- Supervised 45 direct reports, full-time volunteers
- Organized multiple service projects with the American Red Cross and Boy Scouts of America
- Coordinated inter-faith community service with churches throughout the Atlanta metro area

INTERESTS

- Road trips to every state except Hawaii, Avid sports enthusiast and follower of the BYU Cougars and Utah Jazz, Musical aficionado (all genres)