

ANDREW BELZ

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<https://andrew-belz.github.io/Data-Science-Portfolio/>

Passionate aspiring data scientist always looking for new challenges. Technically adept, with both mathematical and programming skills in **statistics, Python, R, and SQL**.

EDUCATION

B.S. IN DATA SCIENCE – 4.0 GPA

Brigham Young University- Idaho

EXPECTED JULY 2027

Relevant Coursework: Data Science Programming (**Python, SQLite**), Intermediate Statistics (**R, statistics**), Introduction to Databases (**MySQL Workbench**)

PROJECT EXPERIENCE

SOCIOECONOMIC INEQUALITY STATISTICAL ANALYSIS

Analysis using R: Uncovered trends in poverty and race in relation to crime rates using official US Census data. Showcased abilities in **hypothesis testing, linear regression, ANOVA, model validation, API data extraction, exploratory data analysis, and data visualization (ggplot)**.

STOCK PRICE TRACKING APPLICATION

Python Application: implemented automated **ETL** process to retrieve and display data from **Yahoo Finance API** via **yfinance** module. Pipeline transforms resulting data with **Pandas**, and loads the data frame into a **Plotly Dash** app graphically and tabularly. Showcased abilities with **Python, Dash, Plotly, Pandas, yfinance, HTML, and CSS**.

WORK EXPERIENCE

SOLAR TECHNICIAN

Mitchell Security, Inc. | Bakersfield, CA

AUGUST 2022 - AUGUST 2023

- Installed residential solar energy systems in a team of 6
- Implemented and utilized monitoring software for energy systems to diagnose and troubleshoot performance
- Communicated technical information to clients daily
- Adhered to stringent build protocol and regulations to promote strict quality control

EXAM PROCTOR

BYU-Idaho | Rexburg, ID

MAY 2024 - PRESENT

- Administer and manage tests of dozens of students daily
- Adhere to standard operating procedures to protect testing integrity and accurate file management
- Interact with database front end interface to manage student and test information

SKILLS

Python: Pandas, NumPy, Scikit-learn, Plotly Express | R: ggplot, mosaic, tidyverse, R-markdown | SQL: SQLite, MySQL, ERDs | Hypothesis testing | Statistical modeling | Data visualization | Data wrangling | Effective communication | Team collaboration | Problem-solving | Quality control