

# Adell Newell

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**Bachelor of Data Science**  
**Minor: Statistics, Cluster: Mathematics**

Brigham Young University - Idaho  
Projected Graduation: July 2023

## EXPERIENCE

- Jan 2022 – present **Teaching Assistant in Statistics** BYU-Idaho
- Intermediate statistics professor needed an assistant to help answer students' coding and statistical questions, and grade analyses
  - Help students use R to clean and analyze data to solve statistical problems
  - Meet one-on-one with students to review difficult concepts and work through assignments together
  - Teach students how to present and communicate analysis results with visuals, LaTeX, and RMarkdown
  - Collaborated with another teaching assistant to create a guide for editing and adding notes to the provided RMarkdown notebook
- Sep 2022 – Dec 2022 **Project Manager Through the RBDC** BYU-I Online
- BYU-I Online needed a shiny app that would read in student quiz data, find common gathering times, and assign students to a group
  - Managed a team of 5 people to create a versatile app that takes user input, cleans quiz data, and finds ideal meeting times
  - Saved BYU-I Online about 150 man hours a year so far
- Apr 2022 – Jul 2022 **Data Science Lab Tutor** BYU-Idaho
- BYU-Idaho tutoring center required experienced tutors to help students in data science classes that use R, Python, and statistics
  - Focused on providing coding and statistical analysis assistance to students, specifically using Tidyverse in R, and Python Pandas and Altair
  - Guide students through code debugging so they develop skills needed to solve coursework on their own
- Apr 2022 – Jul 2022 **Data Science Consultant Through the RBDC** Kick-it Shoe Outlet
- The owners of Kick-it Shoe Outlet needed data cleaning and analysis on 4 years of business transactions
  - Used Stringr and Lubridate in R to extract shoe details and analyze sales trends
  - Provided analysis and visualizations of sales trends in a versatile report so Kick-It was able to make clear and educated business decisions based on their sales data

## TECHNICAL SKILLS

R (including Tidyverse packages) for data science, statistical analysis, and visualization (1.5 years)

Python for data science, including Pandas and Altair (1.5 years)

Some experience using Scikit-learn and TensorFlow to create machine learning models

Create, populate, and query databases with SQL (1 year), some experience with PL/SQL

Some experience with Power BI, Excel, and other Microsoft Office products