**Andrew Rall**

2116 Allston Way, Apt. 516, Berkeley, CA 94704 **||**  (715) 223-7230 **||** andrewr0498@berkeley.edu

To view some of the projects I’ve worked on and read more about my skills and experiences visit my website at andrewr0498.github.io

Education

University of California-Berkeley

B.A. in Statistics with Applied Cluster in Computer Science, May 2020

Sports Analytics Group at Berkeley (SAGB) Projects Team Member

* Statistics Undergraduate Student Association (SUSA) Education Committee Member
* California Triathlon Team

Experience

**Cal football consulting project**

## *SAGB, Fall 2018 – present*

Working with team of students to create match-up specific 4th Down decision making model for the Cal Football Coaches

Built web scrapers to collect data from Football Outsiders

Wrote an algorithm to identify the n most similar offenses/defenses over the past k years given a certain opponent; addressed issue of not having enough consistent data for any single College Football team.

Created heatmaps of 4th Down Decisions and 4th Down conversion rates for all teams over the past 17 years

Tidyverse lecture

SUSA, Fall 2018

Confer with clients to discuss their options and goals so that rehabilitation programs and plans for accessing needed services can be developed.

Prepare and maintain records and case files, including documentation such as clients' personal and eligibility information, services provided, narratives of client contacts, and relevant correspondence.

**Lab Assistant**

## *Data 8 Course Staff, Summer 2018 – Fall 2018*

* Resolve customer complaints regarding sales and service.
* Oversee regional and local sales managers and their staffs.

**REsearch intern, Massachusetts General Hospital**

## *Division of Gastroenterology, Summer 2017*

* Resolve customer complaints regarding sales and service.
* Oversee regional and local sales managers and their staffs.

**research project and poster competition**

## *NDM-1 (New Delhi Metallo-beta-lactamase 1), Winter 2016 - Spring 2016*

* Resolve customer complaints regarding sales and service.
* Oversee regional and local sales managers and their staffs.

Skills

Languages: Python, R (R Studio), Java, SQL, and HTML/CSS

Bayesian Analysis, Hypothesis Testing, Linear Modeling, Machine Learning, Parameter Estimation, Reproducibility

Other: Git, R Shiny, IntelliJ IDEA, Jupyter, Latex, Regex