



Project 1 Group 5: Proposal



The Bachelor Contestant Demographics

Team Members: Mathew Bailey, Alexandra Flores, Will Hughes, Vanessa Martinez

Data: Our data is about the popular reality tv show *The Bachelor* and the different demographics of contestants on the show.

Inspiration: We chose this data set to gain more specific insight about different contestant demographics, how they have changed over time, and to see if we can successfully make predictions regarding a reality tv competition show.

There have been a few other public data analyses done on *The Bachelor* that focus on demographics of contestants including their age, job type, regions of where they are from, race, hair color, Instagram followers, and how long they were on a particular season of the show.

We will be using datasets from Kaggle and data.world that include data about contestant's name, age, occupation, hometown, which season they were in, and week they were eliminated.

Research Questions:

- A. What was the average elimination week per age range(bucket)?
- B. Has the age range and individual age of contestants changed over time?
- C. Do specific occupations lead to a contestant making it longer into the courtship?
- D. Do contestants from specific regions have a better chance of success?

Predictions with a regression: Our goal is to be able to successfully predict the likelihood of a contestant advancing further in the show, according to certain demographics.

Color Palette: Our color palate will consist of reds and pinks.

Roles & Responsibilities: Each team member will answer their given research question and contribute equally towards the final presentation and written analysis.

Will Hughes: Data Cleaning & Research Question A

Matthew Bailey: Research Question B

Alexandra Flores: Research Question C

Vanessa Martinez: Research Question D

<https://www.kaggle.com/datasets/brianbgonz/the-bachelorette-contestants>

<https://www.kaggle.com/datasets/rachelleperez/the-bachelor-vs-the-bachelorette?select=contestants.csv>

<https://data.world/amandanovak/bachelor-contestants-with-instagram-follower-count>

“Will you accept this rose?”

