STT 180 Project Rationale

Group 3 - Tim Brown, Hannah Striebel, Derien Weatherspoon

1. Motivating questions that you will try to address in the project.
   ○ Derien - Do people prefer to date inside or outside their own ethnicity? Are males or females more likely to want a second date?
   ○ Tim - Compare average ratings across genders, ages, and races (ex: do females tend to rate males higher than males rate females? In what categories?)
   ○ Hannah - Which features (attractiveness, sincerity, intelligence, etc) are most predictive of wanting a second date? Does this differ by gender? Age? Race?

2. What do you expect to learn?

   We expect to gain insight into how people view potential significant others, for example, which traits they consider most important. Another thing we can learn are what features play the biggest role in influencing the ratings of a date by male and female. We can learn if some factors tend to have more value than others according to different age or gender, such as finding out if twenty-year old men have different values than thirty-year old men.

3. What methods do you plan to use to achieve your goal?

   We will use ggplot to visualize the relationships between variables that we want to explore. We will also use the suite of dplyr functions to better understand the data such as summarize, filter, apply, etc. for use with statistical methods in order to find correlations.

4. Do you see any potential issues that could affect your ability to address the questions?

   From the description of the data, the only participants were college students. This could bias our findings and potentially render them inaccurate when applied to the general populace. This study also focusses solely on heterosexual speed dates and further narrows the group that the findings could shed light on.

5. What is your group's plan to facilitate working collaboratively on the project?

   We plan to divide the motivating questions and each work individually on answering them. We will work together to compare our individual results and combine our work into a cohesive final report and presentation.