Data Science Bootcamp Project 1 Group 10

1. **Group Members**
   a. Chandler Foster
   b. Ugur Cetin
   c. Kriti Khatri
   d. Aayushi Patel
   e. Willian Ruiz
2. **What is your data set, why did you choose it**
   a. Our data set is called "Student-Health-Data" (https://www.kaggle.com/datasets/ziya07/student-health-data). We chose this data set because health is relevant to all of us and because we are, at least for now, students.
3. **Inspiration**
   a. This data was particularly interesting to us because it highlights the effects of stress on health. In addition to physical risk factors, this data set accounted for self-reported mood and stress indicators to determine overall health risk.
4. **Possible Research Questions**
   a. Does increased stress lead to higher health risk?
   b. How does age and/or gender contribute to increased health risk.
   c. Does the amount of time a student spend studying affect students' stress and/or their health risk?
   d. What effect does sleep quality have on physical activity and/or health risk?
5. **Possible Visualizations**
   a. We will use a heatmap to compare the multitude of different variables to one another.
   b. A line chart could visualize the change in health risk as age increases. This could be further broken down for male and female students.
   c. We can use a scatter plot to compare hours of study to reported stress levels. We can also use a scatter plot comparing physical activity with sleep quality.
6. **Color Theme**
   a. For our color palette, we want to work with shades of blue and green to represent low health risks, and shades of red to represent high health risks. We chose these colors since blue and green are considered calming colors that represent good health outcomes, while reds and oranges generally represent warning signs in a health setting.
7. **Roles & Responsibilities**
   a. Introduction and explanation of dataset – Ugur
   b. Question A – Chandler
   c. Question B – Willian
   d. Question C – Ayushi
   e. Question D – Kriti
   f. Visualizations – Ugur
   g. Slide Deck - Chandler
   h. Conclusion - Willian