Title: Live Laugh Love, Group L

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Abstract and Brief Description of the Proposed Visualizations / Analyses
This project aims to explore various aspects of romantic relationships through a combination of descriptive statistics and visualizations. We plan to use the General Social Survey (GSS) as we examine the correlations between perceived marriage likelihood and relationship quality, demographic factors, anger dynamics, and statewide distribution of romantic involvement and living situations. We also plan to use the Harvard dataset to delve deeper into the love styles and gift giving behavior facets of relationships.

Links to data sources / API etc.

https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/JHLH2L
https://gssdataexplorer.norc.org/variables/vfilter

Types of Visualizations:

Based on the Harvard data set, some initial ideas we have + types of visualizations are

- **Love Style and Gift Giving Behavior**
  - Segmented bar charts demonstrating the dependency between gift-giving and love styles
- **Composite Love Style Profiles**
  - Composite profiles for typical respondents aligned with different love styles
  - Radar charts or cluster maps to display these profiles
- **Sacrificial Gift-Giving Analysis**
  - Bar charts showing the % of respondents who have made sacrifices to give gifts, and additional visualizations displaying the types of gifts given as sacrifices
- **Love Style Affirmation Agreement Distribution**
  - For each love style affirmation, we can do stacked bar charts or radar charts that display the distribution of responses from strongly disagree to strongly agree, showing predominant love styles and their characteristics
- **Trend Analysis of Relationship Duration**

    - Line graphs showing how gift-giving frequency , reasons for gift-giving, or love style changes over the duration of relationships

Based on the GSS data set, some initial ideas we have + types of visualizations are

- **Marriage Likelihood and Relationship Quality**
    - Heatmap or stacked bar charts or scatter plot illustrating correlation between perceived marriage likelihood and relationship happiness
- **Demographic Comparisons**
    - Compare responses across different demographics (age, sex, race, education levels) for variables like marriage happiness and likelihood to get married to uncover trends in romantic involvement and marriage perceptions
- **Anger & Relationship Dynamics**
    - Analyze a variable like anger at partner in the context of relationship satisfaction, gender roles and cohabitation status through correlation heatmaps
- **Statewide Distribution of Romantic Involvement and Living SItuation**
    - Use maps to represent romantic status and cohabitation involvement by state, can be interactive!
    - Can talk about finding romance after moving away or where they're from

Challenges/Hurdles:

Capturing the essence of the questions with translating it from Portuguese to English could be a hurdle because we could reach conclusions about questions asked that may not accurately represent the sentiments behind the responses.

If we look at different waves of the GSS data, we need to be conscientious that questions are not asked every wave, which makes it impossible to look at trends of certain questions over time.