

Project Contribution

- Development of question / hypothesis:

I developed 10 questions for our group to answer in relation to UK divorce and marriage from 1991 to 2015 based on the dataset's attributes. Specifically, I was responsible for developing the following questions for the project:

1. Which 5 years had the highest and lowest median age for males getting married between 1991 and 2015?
2. Which 5 years had the highest and lowest median age for females getting married between 1991 and 2015?
3. From 1991 to 2015, how many years was the median age for men getting married greater than the median age for women getting married?
4. How did the median age for males and females getting married change from 1991 to 2015?
5. From 1991 to 2015, how many years was the number of men marrying per 1,000 unmarried men greater than the number of women marrying per 1,000 unmarried women?
6. How did the number of men and marrying per 1,000 unmarried men and number of women marrying per 1,000 unmarried women change from 1991 to 2015?
7. From 1991 to 2015, how many years was the number of men marrying for the first time per 1,000 people greater than number of women marrying for the first time per 1,000 people?
8. How did the number of men marrying for the first time per 1,000 people and number of women marrying for the first time per 1,000 people change from 1991 to 2015?
9. From 1991 to 2015, how many years was the number of men remarrying per 1,000 people greater than the number of women remarrying per 1,000 people?
10. How did the number of men remarrying per 1,000 people and number of women remarrying per 1,000 people change from 1991 to 2015?
11. From 1991 to 2015, how many years was the number of men marrying for the first time per 1,000 people greater than the number of men remarrying per 1,000 people?
12. From 1991 to 2015, how many years was the number of women marrying for the first time per 1,000 people greater than the number of women remarrying per 1,000 people?

I also helped my group members develop some of their questions that they answered for the project.

- Data research: search for relevant data to contribute to question:

I worked alongside my group members to find/determine the dataset for our project, which ended up containing a lot of information/data in relation to UK divorce and marriage.

- Literature review:

None/no contribution

- Analysis strategy;

I contributed to how we should visualize our findings, which was by using line graphs and bar plots. I also led the way when it came to determining the attributes of the dataset each group member would analyze for interesting findings.

- Analysis code;

I helped group members write code for generating bar graphs and line plots. I was also the one who cleaned up/processed the dataset so it could be analyzed by removing the rows/years with null values and changing the data types of columns with improper data types to proper ones. I wrote all the code associated with getting the answers to my questions and visualizing my answers/findings.

- Code review;

I reviewed all of our code for the project (before its final copy was submitted) to ensure the code was readable, understandable, and organized. Before final submission, I also made sure there was no irrelevant or distracting code, that our code loaded all data, and that our code generated all results and figures properly.

- Work planning and organization;

I was the member of our group who led the way when it came to determining the attributes of the dataset each group member would analyze for interesting findings. I periodically sent messages through Canvas to try to schedule times for our group to meet to present individual findings and work on combining our findings into our final notebook.

- Improving teamwork and collaboration;

I always tried to help other group members when they had questions/problems.

- Testing code and procedures;

I tested all our code in our final notebook before submitting it to ensure there were no code errors and that our code was generating tables/tables as intended.

- Writing report.

I was the person who came up with the layout and structure of the notebook for our project. I was the person ultimately responsible for combining each group member's notebook together into one final notebook with the required sections. I contributed to every section of our report/notebook in some way, whether it was writing a section fully or partially.