

Analyse the GSS Survey - Bed Partners

Your challenge:

analyse the GSS dataset and uncover one of the many stories hidden in this dataset.

Outline:

1. Download and import the dataset
2. Clean the dataset
3. Analyse the dataset
4. Write a brief (max 150 words) story and brief appendix
5. Save it as a pdf (remember picking a good name)

Step 1.1 Download the dataset

- You can [download the GSS Dataset here](#).

Step 1.2 Import the dataset in SPSS

- You should end up with something similar to the screenshot below

	gss_year	Respondentidnumber	Ageofrespondent	Respondentssex	Numberoffemalesexpartnerssince18	Numberofmalesexpartnerssince18
1	2016	1	47	Male	Not applicable	Not applicable
2	2016	2	61	Male	10	0
3	2016	3	72	Male	0	0
4	2016	4	43	Female	Not applicable	Not applicable
5	2016	5	55	Female	0	1

Step 2. Data cleaning

- A) Are there missing values? Explain which values you might count as 'missing'.
- B) For all variables, select the correct measurement level. For each variable, briefly explain why you selected that measurement level.
- C) Are there any (other) aspects of the data that might need cleaning? Please write a brief sentence on whether you think the dataset is ready for analysis like this or not.

Step 2.1 First exploration

- A) How many variables are in this dataset?
- B) How many respondents are in the dataset?
- C) How many of them are male and how many are female?
- D) On how many years does this dataset contain data?

Step 2.2 Getting a feel for your data

- A) Create a good graph of the age of the respondents. Where is most of the data concentrated? Are there outliers?
- B) Create good graphs of the number of sex partners males and females report to have had. Where is most of the data concentrated? Are there outliers?

NB: Don't get too hung up on the exact visualisations you pick here. Try a couple of different ones. The goal is: find out where most of the data is and if there are outliers.

Step 3 Analysing your data

The most important step in doing good analyses, is thinking of the right questions. When you what you want to research, the rest is just finding out how to do it in the specific software program you are using.

Before you go to the next page, take 1 minute and think: what would you want to know about this data? Which questions would you like to answered?

3. Analyse:

A:

A1. Which of these genders (male / female) had more bed partners on average?

A2. Interpret the results.

A3 What compelling yet descriptive headline can you come up with for this analysis?

A4 Discussion/limitations: are there things that we should be careful with while interpreting? What could be wrong with this analysis?

B:

B1: Are there outliers for the number of sex partners for the different genders? Briefly explain.

B2: Given, your answer on the first, is the mean a good measure in this case?

B3: Can you figure out how to 'change' the analysis from A using a different measure? (google is your friend)

B4: Does this change your interpretation from A? If so: write a new headline and brief text.

Step 4.1 Write a compelling story

Write a short story (max 150 words) about this dataset and your favorite story that can be found in it. (this means: you can pick either analysis A or B).

Step 4.2 Write a brief appendix

People might have questions about your analysis. Write a brief appendix that includes analysis A and B. It should list which steps you took while analysing your data, and include a brief (one paragraph) discussion/limitations section for each analysis.

Step 5. Save as pdf.

Save both the story and appendix in one file.

Format: <student number>_<firstname>-<lastName>_HW3_<storyHeadline>.pdf