Week 5 Workshop: Healthcare Data – Surveys

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Topics for today

For today's workshop I'd like you to practice wrangling survey datasets.

You're going to work with the exact same dataset[1] collected from three different survey tools… but always the same question:

Google Forms

Tidying multiple choice questions with R

This survey is being duplicated in Google Forms, Survey Monkey and Qualtrics. We are then writing a blogpost at rfortherestofus.com/blog about how to tidy multiple choice question datasets with R code.

Sign in to Google to save your progress. Learn more

Select all the things you've done in the past 24hours.

- [ ] Slept
- [ ] Eaten food
- [ ] Cooked food
- [ ] Gone to work
- [ ] Commuted for work
- [ ] Relaxed with a hobby (TELL US THE HOBBY BY TYPING IN THE OTHER FIELD)
- [ ] Other: _____

Survey Monkey

Tidying multiple choice questions with R

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* 1. Select all the things you've done in the past 24hours?

- [ ] - Slept
- [ ] - Eaten food
- [ ] - Cooked food
- [ ] - Gone to work
- [ ] - Commuted for work
- [ ] - Relaxed with a hobby (TELL US THE HOBBY BY TYPING IN THE OTHER FIELD)
- [ ] Other (WHAT'S YOUR HOBBY?) _____

Qualtrics

Tidying multiple choice questions with R

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Select all the things you've done in the past 24hours.

Slept

Eaten food

Cooked food

Gone to work

Commuted for work

Relaxed with a hobby (TELL US THE HOBBY BY TYPING IN THE OTHER FIELD)
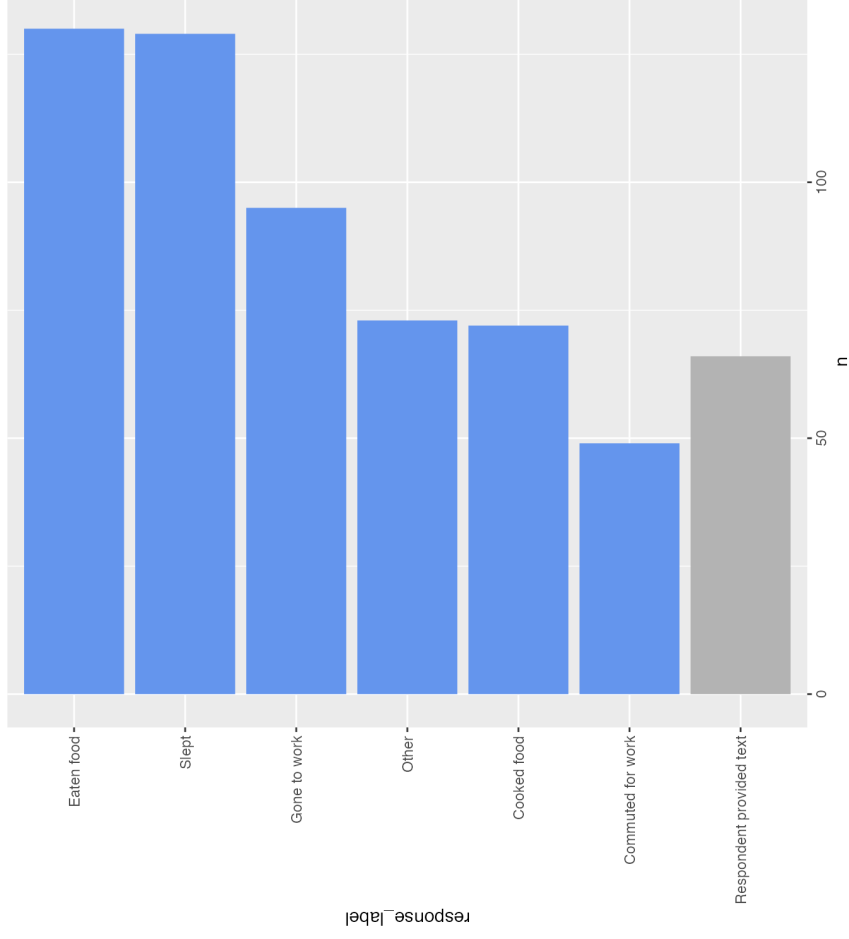
Other (WHAT'S YOUR HOBBY?)

Data downloads:

- Google Forms .xlsx file: https://github.com/rfortherestofus/rforus_tidying-survey-data/raw/main/data/google-forms-data.xlsx

- Survey Monkey .xlsx file: https://github.com/rfortherestofus/rforus_tidying-survey-data/raw/main/data/survey-monkey-data.xlsx

- Qualtrics .xlsx file: https://github.com/rfortherestofus/rforus_tidying-survey-data/raw/main/data/qualtrics-data.xlsx

Target visualisation

I'd like you to create a chart like this.

Note that it's the exact same chart for each dataset - so you might want to create a user-defined function for making it.

References

1. Hadley, C. How to tidy select all that apply questions with R. *R for the Rest of Us Blog* (2022).

Please note that this blogpost includes code for solving these workshop challenges. I'd **strongly** reccommend that you don't look at the post before trying to solve the problems yourself.