LATIS R Quarto Workshop

Norah Jones

2024-02-22

Table of contents

# Preface

This is a Quarto book.

To learn more about Quarto books visit <https://quarto.org/docs/books>.

# 1. Introduction

This is a book created from markdown and executable code.

See Knuth (1984) for additional discussion of literate programming.

# 2. Results

## 2.1 Results

In this section, we will present our analysis results using data from a study on volunteering (Cowles and Davis 1987). This data is available in the car data package (Fox, Weisberg, and Price 2022).

### 2.1.1 Descriptive statistics and plots

First, we will look at descriptive statistics and visualizations of the data.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 2.1: Volunteering Counts by Sex   | sex | volunteer | n | Percent | | --- | --- | --- | --- | | female | no | 431 | 55.26 | | female | yes | 349 | 44.74 | | male | no | 393 | 61.31 | | male | yes | 248 | 38.69 | |

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut varius id est vel lacinia. Etiam fermentum lorem tellus, et cursus orci pharetra vel. Duis non viverra quam. Sed dignissim sem a mi ultricies dignissim. Nulla mattis lorem sit amet enim convallis porta. Duis dui ligula, ornare ut ex non, aliquet mattis libero. Ut congue ipsum cursus est euismod rutrum. Curabitur porttitor nibh sit amet urna ornare lobortis. Nullam commodo, enim sit amet feugiat volutpat, tortor est viverra leo, et auctor leo lorem eu purus. Pellentesque tempor diam at justo sollicitudin condimentum. Etiam eget sagittis sem. Vivamus nec vulputate arcu, et iaculis urna. Nam lacus velit, posuere sit amet facilisis in, mattis eleifend tellus.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 2.2: Average personality scores by volunteering   | volunteer | Neuroticism\_Avg | Neuroticism\_SD | Extraversion\_Avg | Extraversion\_SD | | --- | --- | --- | --- | --- | | no | 11.42 | 4.82 | 11.96 | 3.83 | | yes | 11.54 | 5.00 | 12.94 | 3.91 | |

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut varius id est vel lacinia. Etiam fermentum lorem tellus, et cursus orci pharetra vel. Duis non viverra quam. Sed dignissim sem a mi ultricies dignissim. Nulla mattis lorem sit amet enim convallis porta. Duis dui ligula, ornare ut ex non, aliquet mattis libero. Ut congue ipsum cursus est euismod rutrum. Curabitur porttitor nibh sit amet urna ornare lobortis. Nullam commodo, enim sit amet feugiat volutpat, tortor est viverra leo, et auctor leo lorem eu purus. Pellentesque tempor diam at justo sollicitudin condimentum. Etiam eget sagittis sem. Vivamus nec vulputate arcu, et iaculis urna. Nam lacus velit, posuere sit amet facilisis in, mattis eleifend tellus.

|  |
| --- |
| Figure 2.1: Distribution of extraversion scores by volunteer status and sex. |

|  |
| --- |
| Figure 2.2: Distribution of neuroticism scores by volunteer status and sex. |

### 2.1.2 Do personality scores differ for those who do and do not volunteer?

Independent t-tests were used to determine whether personality scores differed by whether participants volunteered or not.

Extraversion differed between those who volunteered (, 95% CI , , ). As shown in [Table 2.2](#tbl-scoresbyvol), volunteers were more extraverted on average than those who did not volunteer.

However, scores on neuroticism did not differ between groups (, 95% CI , , ).

### 2.1.3 What is the relationship between extraversion and neuroticism in this sample?

Do these scores correlate in this sample in the same way for volunteers and non-volunteers?

|  |
| --- |
| Figure 2.3: Relationship between extraversion and neuroticism in the sample. |

| Predictor |  | 95% CI |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Intercept | 12.08 | [10.99, 13.17] | 21.75 | 1417 | < .001 |
| Extraversion | -0.06 | [-0.14, 0.03] | -1.25 | 1417 | .211 |
| Volunteeryes | 2.52 | [0.78, 4.25] | 2.84 | 1417 | .005 |
| Extraversion Volunteeryes | -0.18 | [-0.31, -0.05] | -2.68 | 1417 | .008 |

## 2.2 Conclusions

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut varius id est vel lacinia. Etiam fermentum lorem tellus, et cursus orci pharetra vel. Duis non viverra quam. Sed dignissim sem a mi ultricies dignissim. Nulla mattis lorem sit amet enim convallis porta. Duis dui ligula, ornare ut ex non, aliquet mattis libero. Ut congue ipsum cursus est euismod rutrum. Curabitur porttitor nibh sit amet urna ornare lobortis. Nullam commodo, enim sit amet feugiat volutpat, tortor est viverra leo, et auctor leo lorem eu purus. Pellentesque tempor diam at justo sollicitudin condimentum. Etiam eget sagittis sem. Vivamus nec vulputate arcu, et iaculis urna. Nam lacus velit, posuere sit amet facilisis in, mattis eleifend tellus.

Maecenas et eros dolor. Proin placerat dolor eu rutrum euismod. Sed eu pharetra eros. Suspendisse in erat a magna varius rutrum eu eget dolor. Sed efficitur, orci eu ultricies varius, libero dolor fermentum lectus, ac pulvinar magna urna eget leo. Praesent iaculis nisi magna, quis ultrices tellus pulvinar ac. Morbi vitae tortor efficitur, malesuada est nec, efficitur nunc. Nulla blandit elit mauris, ac suscipit erat dignissim quis. Nunc luctus quam et lorem ultricies, sit amet auctor mauris mattis. Maecenas varius nisl et eros eleifend, ac luctus odio tempus. Suspendisse vitae ligula vel ex maximus ultricies malesuada eget velit. Interdum et malesuada fames ac ante ipsum primis in faucibus. Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Cras sed elit at purus dictum faucibus. Suspendisse maximus euismod arcu sed auctor. Donec vitae ornare elit, volutpat ultricies erat. Praesent molestie vestibulum justo in semper. Maecenas dignissim egestas iaculis. Aenean tincidunt odio nisl, ac efficitur ante ultrices quis. Donec commodo varius enim, egestas accumsan metus.

# 3. Summary

In summary, this book has no content whatsoever.

# References

Cowles, Michael, and Caroline Davis. 1987. “The Subject Matter of Psychology: Volunteers.” *British Journal of Social Psychology* 26 (2): 97–102. <https://doi.org/10.1111/j.2044-8309.1987.tb00769.x>.

Fox, John, Sanford Weisberg, and Brad Price. 2022. “carData: Companion to Applied Regression Data Sets.” <https://CRAN.R-project.org/package=carData>.

Knuth, Donald E. 1984. “Literate Programming.” *Comput. J.* 27 (2): 97–111. <https://doi.org/10.1093/comjnl/27.2.97>.