

LATIS R Quarto Workshop

A DISSERTATION (OR THESIS)
SUBMITTED TO THE FACULTY OF THE GRADUATE SCHOOL
OF THE UNIVERSITY OF MINNESOTA
BY

Norah Jones

IN PARTIAL FULFILLMENT OF THE REQUIERMENTS
FOR THE DEGREE OF
MASTER OF (ARTS OR SCIENCE) DOCTOR OF
(PHILOSOPHY/EDUCATION)

Advisor(s) Names

Month Year
(of degree conferral, not necessarily the month you defend)

Acknowledgements

Thanks Mom and Dad! Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed sit amet dui eget mi varius dictum sit amet in justo. Aliquam euismod suscipit nunc placerat egestas. Vivamus dignissim, orci sit amet molestie scelerisque, lectus diam tempus mauris, ac venenatis leo orci sed nisl. Pellentesque vitae gravida mauris. Mauris elementum quam ut odio mattis, sed tincidunt justo vulputate. Quisque vulputate orci et neque tincidunt convallis. Quisque at erat ultricies, aliquam nisi vitae, molestie erat. Vestibulum consectetur sem id lacus pellentesque placerat. Integer in vestibulum leo. Fusce pretium dolor in laoreet elementum. Curabitur lobortis blandit varius. Vestibulum tincidunt urna sed nunc bibendum, et varius ligula iaculis. Mauris hendrerit condimentum neque, elementum tincidunt nisl bibendum at. Praesent porttitor mi vel enim faucibus hendrerit. Nulla tincidunt enim urna, ut pellentesque arcu aliquet eget. Praesent sapien nulla, interdum ut nulla sed, varius imperdiet elit.

Dedication

I dedicate this work to current and future graduate students learning how to do reproducible research. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed sit amet dui eget mi varius dictum sit amet in justo. Aliquam euismod suscipit nunc placerat egestas.

Abstract

This is the abstract, technically it's optional to include within the thesis PDF, but you must have one to submit online when you are ready to submit your final version. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed sit amet dui eget mi varius dictum sit amet in justo. Aliquam euismod suscipit nunc placerat egestas. Vivamus dignissim, orci sit amet molestie scelerisque, lectus diam tempus mauris, ac venenatis leo orci sed nisl. Pellentesque vitae gravida mauris. Mauris elementum quam ut odio mattis, sed tincidunt justo vulputate. Quisque vulputate orci et neque tincidunt convallis. Quisque at erat ultricies, aliquam nisi vitae, molestie erat. Vestibulum consectetur sem id lacus pellentesque placerat. Integer in vestibulum leo. Fusce pretium dolor in laoreet elementum. Curabitur lobortis blandit varius. Vestibulum tincidunt urna sed nunc bibendum, et varius ligula iaculis. Mauris hendrerit condimentum neque, elementum tincidunt nisl bibendum at. Praesent porttitor mi vel enim faucibus hendrerit. Nulla tincidunt enim urna, ut pellentesque arcu aliquet eget. Praesent sapien nulla, interdum ut nulla sed, varius imperdiet elit.

Table of contents

Acknowledgements	i
Dedication	ii
Abstract	iii
Preface	1
1 Introduction	2
2 Results	4
2.1 Results	4
2.2 Conclusions	7
3 Summary	9
4 Discussion	10
References	11

List of Figures

2.1	Distribution of extraversion scores by volunteer status and sex.	6
2.2	Distribution of neuroticism scores by volunteer status and sex.	6
2.3	Relationship between extraversion and neuroticism in the sample.	7

List of Tables

2.1	Volunteering Counts by Sex	4
2.2	Average personality scores by volunteering	5

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.

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.

Here is an example of a long quote:

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.

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.

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 ($\Delta M = -0.98$, 95% CI $[-1.39, -0.57]$, $t(1270.12) = -4.69$, $p < .001$). As shown in Table 2.2, volunteers were more extraverted on average than those who did not volunteer.

However, scores on neuroticism did not differ between groups ($\Delta M = -0.13$, 95% CI $[-0.64, 0.39]$, $t(1256.24) = -0.47$, $p = .636$).

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

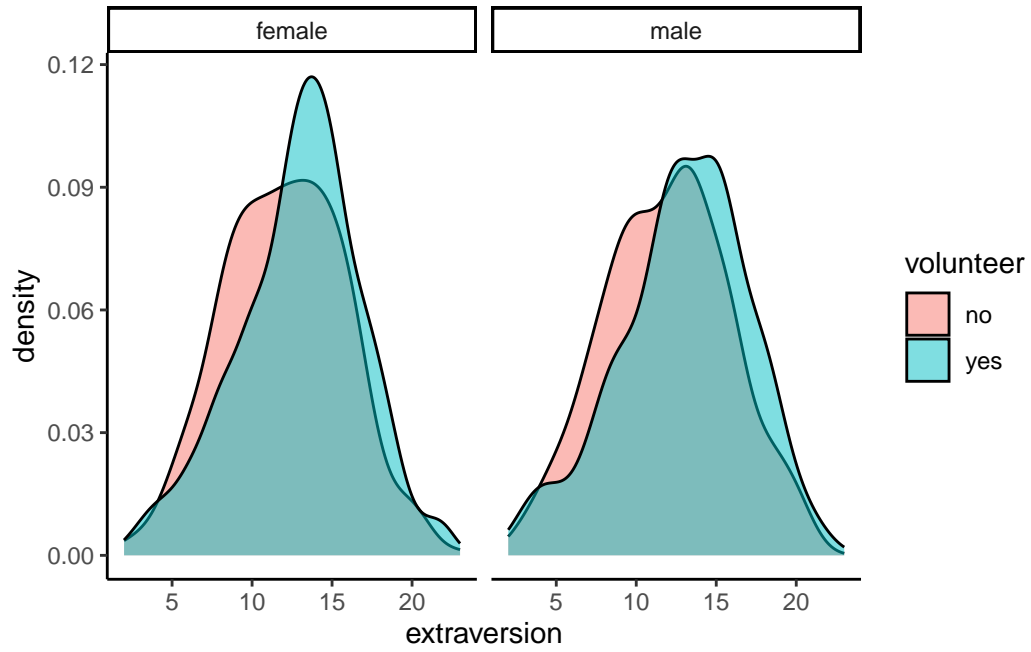
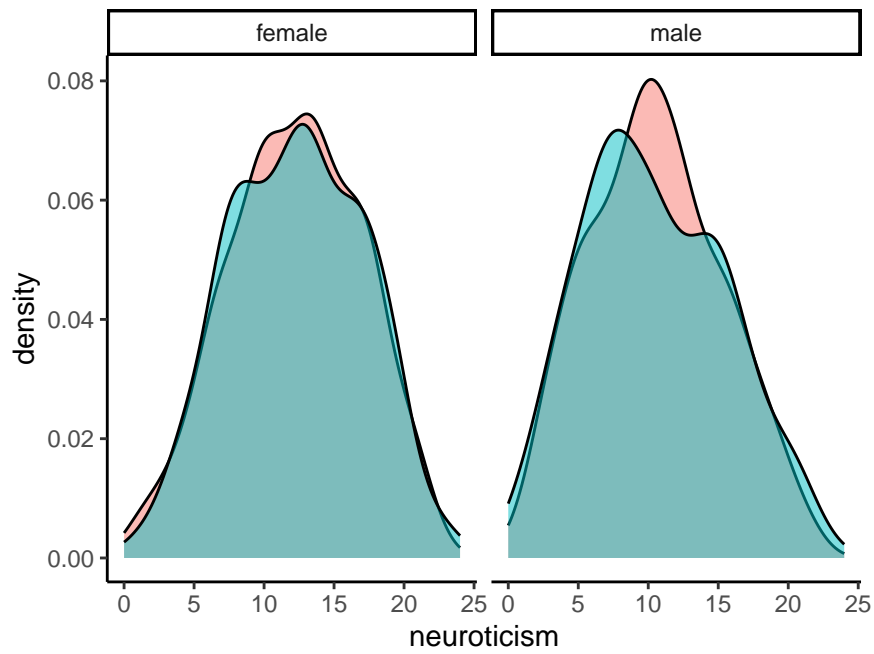


Figure 2.2: Distribution of neuroticism scores by volunteer status and sex.



2.1.3 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?

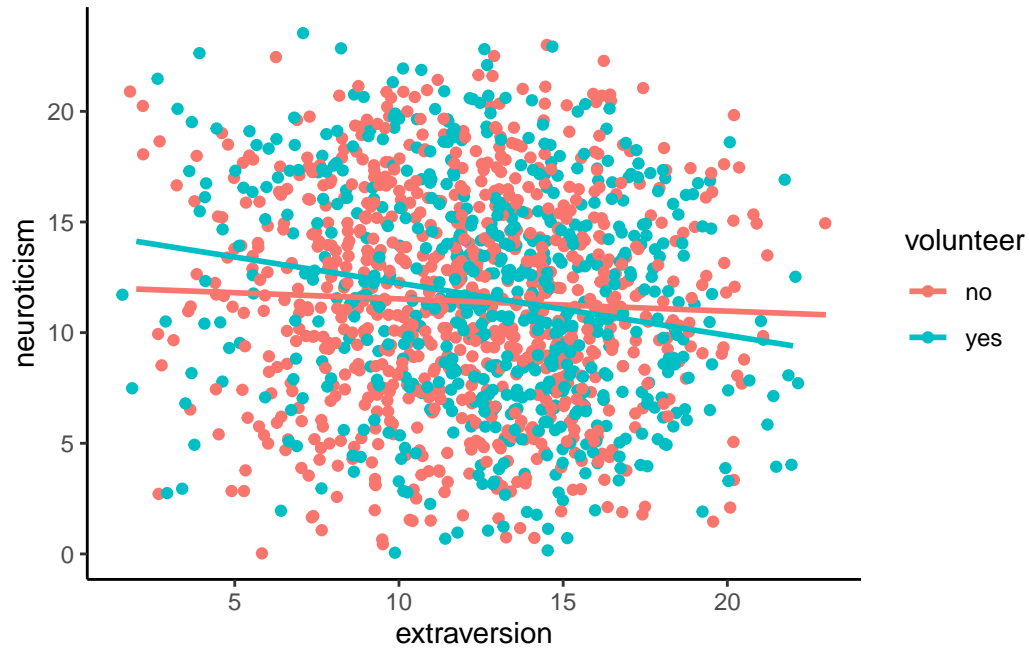


Figure 2.3: Relationship between extraversion and neuroticism in the sample.

Predictor	<i>b</i>	95% CI	<i>t</i>	df	<i>p</i>
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.

4 Discussion

If you want to do LaTeX in line, like this, $10M_{\odot}$ use \$.

We can also add equations,

$$f = ma \tag{4.1}$$

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>.