

SOC722 Exercise Week 2-1

Zhe Chen

2026-01-18

```
Warning: package 'purrr' was built under R version 4.5.2
```

```
Warning: package 'modelsummary' was built under R version 4.5.2
```

1st Header

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2nd Header

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3rd Header

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Text formatting

I want to be a part of the people that make meaning, not the thing that is made.

- Barbie, The Movie

italic **bold** ~~strikeout~~ code

superscript² subscript₂

underline SMALL CAPS

Lists

- Bulleted list item 1
 - Item 2
 - Item 2a
 - Item 2b
1. Numbered list item 1
 2. Item 2. The numbers are incremented automatically in the output.
 3. Another numbered list item

Images and Figures

Quarto allows for [easy cross-references](#) of images and plots. Figure 1 shows an image, whereas Figure 2 shows a plot created using ggplot2.

To find more about the dataset used to create Figure 2 type the following line of code into the console:

```
?ToothGrowth
```



Figure 1: A photo of Duke Chapel. Copyright: Zhe Chen

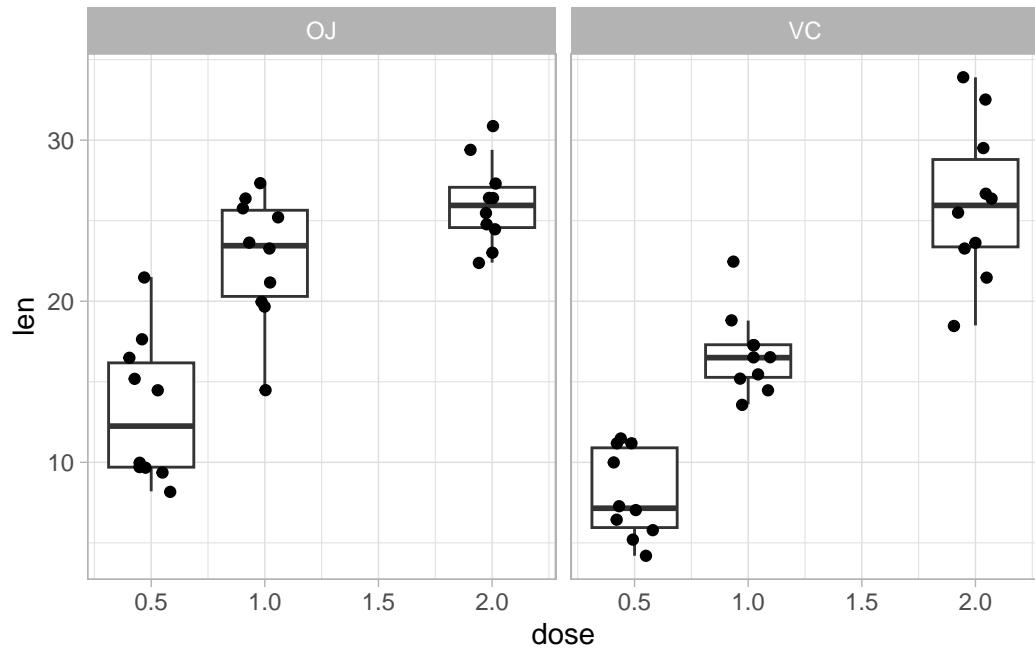


Figure 2: This plot shows the effect of vitamin C on tooth growth in Guinea Pigs. The response is the length of odontoblasts (cells responsible for tooth growth) in 60 guinea pigs. Each animal received one of three dose levels of vitamin C (0.5, 1, and 2 mg/day) by one of two delivery methods, orange juice or ascorbic acid (a form of vitamin C and coded as VC).

Equations

It's also easy to cross-reference equations. For example, Equation 1 depicts the *probability density function of normal distribution*.

$$f(x) = \frac{1}{\sigma\sqrt{2\pi}} \exp\left(-\frac{(x-\mu)^2}{2\sigma^2}\right) \quad (1)$$

Tables

We can also cross-reference [tables](#) easily, as shown in Table 1 and Table 2.

Table 1: This table was created using Markdown.

Col1	Col2
a	b
c	d

Table 2 shows some very simple regression models.

	Model 1	Model 2	Model 3	Model 4
(Intercept)	17.147*** (1.125)	14.594*** (0.926)	23.334*** (2.233)	24.832*** (2.890)
am	7.245*** (1.764)	6.067*** (1.275)	5.299*** (1.038)	4.419** (1.493)
vs		6.929*** (1.262)	2.659+ (1.442)	2.052 (1.627)
hp			-0.045*** (0.011)	-0.038* (0.014)
disp				-0.008 (0.010)
Num.Obs.	32	32	32	32
R2	0.360	0.686	0.806	0.810

+ p <0.1, * p <0.05, ** p <0.01, *** p <0.001

Table 2: This table was created using the `modelsummary` package

Ask Steve what he thinks about those asterisks!

Citations

Finally, Quarto has great Zotero integration.

Hi! My name is Zhe. One of my favorite academic books is Bourdieu (1980). Correll et al. (2026) is the last thing I read. The next thing I plan on reading is Rawlings et al.'s *Network Analysis: Integrating Social Network Theory, Method, and Application with R* (2023) book.

References

- Bourdieu, Pierre. 1980. *The Logic of Practice*. Stanford, CA: Stanford University Press.
- Correll, Joshua, Abigail M. Folberg, Charles M. Judd, Gary H. McClelland, and Carey S. Ryan. 2026. *Data analysis: a model comparison approach to regression, ANOVA, and beyond*. Fourth edition. New York London: Routledge, Taylor & Francis Group.
- Rawlings, Craig M., Jeffrey A. Smith, James Moody, and Daniel A. McFarland. 2023. *Network analysis: integrating social network theory, method, and application with R*. Structural analysis in the social sciences. Cambridge: Cambridge University Press.