1 Discussion

The Chatbots were beneficial.

Learners have lots of other choices such as YouTube, but there is a certain need for personalised information gathering, this can save time and prevent learning incorrect information.

This was one reason why they were rated positive as they are able to streamline data finding for learners in a format that is understandable and easy to them.

```
library(knitr)
library(tidyverse)

## Warning: package 'tidyverse' was built under R version 4.2.2

## Warning: package 'ggplot2' was built under R version 4.2.2

## Warning: package 'dplyr' was built under R version 4.2.2

head(data) %>%
    kable(booktabs = TRUE)
```

2

Training Event Results

2.1 CEPEH Training Event C1

The CEPEH training event C1 held at the premises of University of Nottingham aiming to prepare participants for the practical elements of co-creation and implementation of chatbots as an educational resource. It combined both theoretical and hands-on training. 15 participants were from RISE, AUTH, UoN.

Project managers of partners signposted the person involved, and relevant announcements were made though social media channels to the wider public. External to the project speakers were from University of Leeds, and Computer Science Department of University of Nottingham. It included academics, medical doctors, and researchers with focus both on clinical research and digital innovations in healthcare education and IT specialist/learning technologists 11.18 years of experiences (SD=7.2). A balance between male and female participants achieved.

3

Overall Training Events Evaluation

Participants were asked to highlight what they liked for each day and how each day can be improved. Findings are described below per day of the training event

Day 1

The participants comment that they liked the design method for educational resources presented using a co-creation approach, they liked the interactions with other groups, and they liked the overview of existing chatbot resources of the partners. On the areas that can be improved, more media material were requested.

Day 2 Participants enjoyed the presentation from the invited speaker from another faculty of the University of Nottingham, the CEPEH recources presented and the storyboarding process. Participants highlighted that the participation of more clinicians in the event would be an added value in regards with the storyboarding process.

Day3 Participants liked the hands-on activities of the day also enjoyed the creativity of the groups on the online chatbot development tool. As an area of improvement, participants wanted more time on hands on sections.

3.1 CEPEH Training Event 2

Pre-Training Event survey May 9th-13th 2022 Thessaloniki, Greece

Twenty-six participants attended the Training Event, along with approximately 10 staff members. There were 21 undergraduate students and 5 postgraduate students, who completed the survey for a total of 26 responses. There were 86% of participants who stated they had not been to a similar event like the training event CEPEH facilitated. There were 90% of students who found the event schedule very organised, and 70% agreed most of the planned sessions were relevant to that interest with the remaining 30% not having enough experience to understand the context to determine if they are interested in the training event. There were 95% of students agreeing or strongly agreeing the training event location is great, the remaining person did not leave additional comments.

Table 1 suggested attendees had minimal intention to share their own ideas due to lack of previous experience of attending such events, or due to lack of knowledge on the area. However, most were interested in listening to other groups and hearing contextual cases in healthcare.

There were 77% of participants stated they were novices in experience with chatbots in healthcare and were attending to learn more. The remaining 23% (7 students) stated they were competent and had limited experience with chatbots in healthcare.

One day had several events regarding cybersecurity in healthcare. When asked before these events, 83% stated they were neutral or disagreed that they felt confident about their cybersecurity knowledge in healthcare. In addition, 80% stated they when neutral or disagreed that they felt they had strong cybersecurity safety in healthcare. Table 2 shows the main pre and post results suggesting a positive experience for more than 75% of attendees on all measures.

There were 90% (23) of students who heard about the event through a lecturer or a professor, the CEPEH newsletter (2), and 1 person was informed through the anatomy tutoring system at Karolinska Institute. Additionally, 60% suggested the training event to somebody else before the course started.

There were six individuals who stated neutral or disagree when asked if having issues on registration or finding the information for the event. This may have been

due to being dependent on emails to receive the information, instead of a dedicated website where the information is available anytime.

As this was face-to-face, participants were asked about sufficient Covid-19 precautions in place at the facility, 94% agreed with sufficient precautions, two individuals stated no but did not give further information in the additional input box provided. In summary, most participants were undergraduate students with novice experience, happy with the training event location, felt the sessions were relevant to them, and most shared the event with their colleagues. The values of co-creation, chatbots in healthcare, and taking patient history were bestowed to students in an engaging and well-received manner. Notably, the highest ratings were for staff friendliness which is key to engagement and consistent interaction throughout the intense and long 5-day duration. The sessions were recorded there for the online recordings may be viewed with higher numbers over the subsequent weeks.

The usual way to include citations in an R Markdown document is to put references in a plain text file with the extension .bib, in BibTex format.¹ Then reference the path to this file in index.Rmd's YAML header with bibliography: example.bib.

Most reference managers can create a .bib file with you references automatically. However, the **by far** best reference manager to use with *R Markdown* is Zotero with the Better BibTex plug-in, because the citr plugin for RStudio (see below) can read references directly from your Zotero library!

Here is an example of an entry in a .bib file:

¹The bibliography can be in other formats as well, including EndNote (.enl) and RIS (.ris), see rmarkdown.rstudio.com/authoring_bibliographies_and_citations.

```
doi = {10.1016/j.tics.2014.01.006},
}
```

In this entry highlighted section, 'Shea2014' is the **citation identifier**. To default way to cite an entry in your text is with this syntax: [@citation-identifier].

So I might cite some things [@Shea2014; @Lottridge2012; @Mill1965].

3.1.1 Appearance of citations and references section (pandoc)

By default, oxforddown lets Pandoc handle how citations are inserted in your text and the references section. You can change the appearance of citations and references by specifying a CSL (Citation Style Language) file in the csl metadata field of index.Rmd. By default, oxforddown by the Americal Psychological Association (7th Edition), which is an author-year format.

With this style, a number of variations on the citation syntax are useful to know:

- Put author names outside the parenthesis
 - This: @Shea2014 says blah.
 - Becomes: @Shea2014 says blah.
- Include only the citation-year (in parenthesis)
 - This: Shea et al. says blah [-@Shea2014]
 - Becomes: Shea et al. says blah [-@Shea2014]
- Add text and page or chapter references to the citation
 - This: [see @Shea2014, pp. 33-35; also @Wu2016, ch. 1]
 - Becomes: Blah blah [see @Shea2014, pp. 33-35; also @Wu2016, ch. 1].

If you want a numerical citation style instead, try csl: bibliography/transactions-on-comput or just have a browse through the Zotero Style Repository and look for one you like.

For convenience, you can set the line spacing and the space between the bibliographic entries in the reference section directly from the YAML header in index.Rmd.

If you prefer to use biblatex or natbib to handle references, see this chapter.

3.1.2 Insert references easily with RStudio's Visual Editor

For an easy way to insert citations, use RStudio's Visual Editor. Make sure you have the latest version of RStudio – the visual editor was originally really buggy, especially in relation to references, but as per v2022.02.0, it's great!

3.2 Cross-referencing

We can make cross-references to **sections** within our document, as well as to **figures** (images and plots) and **tables**.

The general cross-referencing syntax is \@ref(label)

3.2.1 Section references

Headers are automatically assigned a reference label, which is the text in lower caps separated by dashes. For example, # My header is automatically given the label my-header. So # My header can be referenced with \@ref(my-section)

Remember what we wrote in section ???

We can also use **hyperlink syntax** and add # before the label, though this is only guaranteed to work properly in HTML output:

- So if we write Remember what we wrote up in [the previous section] (#citations)?
- It becomes Remember what we wrote up in the previous section?

Creating custom labels

It is a very good idea to create **custom labels** for our sections. This is because the automatically assigned labels will change when we change the titles of the sections - to avoid this, we can create the labels ourselves and leave them untouched if we change the section titles.

We create custom labels by adding {#label} after a header, e.g. # My section {#my-label}. See our chapter title for an example. That was section 2.

3.2.2 Figure (image and plot) references

- To refer to figures (i.e. images and plots) use the syntax \@ref(fig:label)
- GOTCHA: Figures and tables must have captions if you wish to cross-reference them.

We refer to this image with \@ref(fig:captain). So Figure ?? is this image.

And in Figure ?? we saw a cars plot.

3.2.3 Table references

• To refer to tables use the syntax \@ref(tab:label)

Those results can be interpreted that the learning objectives of the training event

Reach, Impact, and Qualatative analysis

Dealing with tables in LaTeX can be painful.

This section explains the main tricks you need to make the pain go away.

(Note: if you are looking at the eBook version, you will not see much difference in

Making your table pretty

When you use `kable` to create tables, you will almost certainly want to set the op This makes your table look a million times better:

Compare this to the default style, which looks terrible:

	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
Mazda RX4	21.0	6	160	110	3.90	2.620	16.46	0	1	4	4
Mazda RX4 Wag	21.0	6	160	110	3.90	2.875	17.02	0	1	4	4
Datsun 710	22.8	4	108	93	3.85	2.320	18.61	1	1	4	1
Hornet 4 Drive	21.4	6	258	110	3.08	3.215	19.44	1	0	3	1
Hornet Sportabout	18.7	8	360	175	3.15	3.440	17.02	0	0	3	2
Valiant	18.1	6	225	105	2.76	3.460	20.22	1	0	3	1

```r
head(mtcars) %>%

#### kable()

|                   | mpg  | cyl | disp | hp  | drat | wt    | qsec  | vs | am | gear | carb |
|-------------------|------|-----|------|-----|------|-------|-------|----|----|------|------|
| Mazda RX4         | 21.0 | 6   | 160  | 110 | 3.90 | 2.620 | 16.46 | 0  | 1  | 4    | 4    |
| Mazda RX4 Wag     | 21.0 | 6   | 160  | 110 | 3.90 | 2.875 | 17.02 | 0  | 1  | 4    | 4    |
| Datsun 710        | 22.8 | 4   | 108  | 93  | 3.85 | 2.320 | 18.61 | 1  | 1  | 4    | 1    |
| Hornet 4 Drive    | 21.4 | 6   | 258  | 110 | 3.08 | 3.215 | 19.44 | 1  | 0  | 3    | 1    |
| Hornet Sportabout | 18.7 | 8   | 360  | 175 | 3.15 | 3.440 | 17.02 | 0  | 0  | 3    | 2    |
| Valiant           | 18.1 | 6   | 225  | 105 | 2.76 | 3.460 | 20.22 | 1  | 0  | 3    | 1    |

#### 3.2.4 If your table is too wide

You might find that your table expands into the margins of the page, like the tables above. Fix this with the kable\_styling function from the kableExtra package:

```
library(kableExtra)

Warning: package 'kableExtra' was built under R version 4.2.2

Warning in !is.null(rmarkdown::metadata$output) && rmarkdown::metadata$output

%in% : 'length(x) = 3 > 1' in coercion to 'logical(1)'

head(mtcars) %>%
 kable(booktabs = TRUE) %>%
```

This scales down the table to fit the page width.

kable\_styling(latex\_options = "scale\_down")

#### 3.2.5 If your table is too long

If your table is too long to fit on a single page, set longtable = TRUE in the kable function to split the table across multiple pages.

```
a_long_table <- rbind(mtcars, mtcars)

a_long_table %>%
 select(1:8) %>%
 kable(booktabs = TRUE, longtable = TRUE)
```

|                     | mpg  | cyl | $\operatorname{disp}$ | hp  | $\operatorname{drat}$ | wt    | qsec  | vs |
|---------------------|------|-----|-----------------------|-----|-----------------------|-------|-------|----|
| Mazda RX4           | 21.0 | 6   | 160.0                 | 110 | 3.90                  | 2.620 | 16.46 | 0  |
| Mazda RX4 Wag       | 21.0 | 6   | 160.0                 | 110 | 3.90                  | 2.875 | 17.02 | 0  |
| Datsun 710          | 22.8 | 4   | 108.0                 | 93  | 3.85                  | 2.320 | 18.61 | 1  |
| Hornet 4 Drive      | 21.4 | 6   | 258.0                 | 110 | 3.08                  | 3.215 | 19.44 | 1  |
| Hornet Sportabout   | 18.7 | 8   | 360.0                 | 175 | 3.15                  | 3.440 | 17.02 | 0  |
| Valiant             | 18.1 | 6   | 225.0                 | 105 | 2.76                  | 3.460 | 20.22 | 1  |
| Duster 360          | 14.3 | 8   | 360.0                 | 245 | 3.21                  | 3.570 | 15.84 | 0  |
| Merc 240D           | 24.4 | 4   | 146.7                 | 62  | 3.69                  | 3.190 | 20.00 | 1  |
| Merc 230            | 22.8 | 4   | 140.8                 | 95  | 3.92                  | 3.150 | 22.90 | 1  |
| Merc 280            | 19.2 | 6   | 167.6                 | 123 | 3.92                  | 3.440 | 18.30 | 1  |
| Merc 280C           | 17.8 | 6   | 167.6                 | 123 | 3.92                  | 3.440 | 18.90 | 1  |
| Merc 450SE          | 16.4 | 8   | 275.8                 | 180 | 3.07                  | 4.070 | 17.40 | 0  |
| Merc 450SL          | 17.3 | 8   | 275.8                 | 180 | 3.07                  | 3.730 | 17.60 | 0  |
| Merc 450SLC         | 15.2 | 8   | 275.8                 | 180 | 3.07                  | 3.780 | 18.00 | 0  |
| Cadillac Fleetwood  | 10.4 | 8   | 472.0                 | 205 | 2.93                  | 5.250 | 17.98 | 0  |
| Lincoln Continental | 10.4 | 8   | 460.0                 | 215 | 3.00                  | 5.424 | 17.82 | 0  |
| Chrysler Imperial   | 14.7 | 8   | 440.0                 | 230 | 3.23                  | 5.345 | 17.42 | 0  |
| Fiat 128            | 32.4 | 4   | 78.7                  | 66  | 4.08                  | 2.200 | 19.47 | 1  |
| Honda Civic         | 30.4 | 4   | 75.7                  | 52  | 4.93                  | 1.615 | 18.52 | 1  |
| Toyota Corolla      | 33.9 | 4   | 71.1                  | 65  | 4.22                  | 1.835 | 19.90 | 1  |
| Toyota Corona       | 21.5 | 4   | 120.1                 | 97  | 3.70                  | 2.465 | 20.01 | 1  |
| Dodge Challenger    | 15.5 | 8   | 318.0                 | 150 | 2.76                  | 3.520 | 16.87 | 0  |
| AMC Javelin         | 15.2 | 8   | 304.0                 | 150 | 3.15                  | 3.435 | 17.30 | 0  |
| Camaro Z28          | 13.3 | 8   | 350.0                 | 245 | 3.73                  | 3.840 | 15.41 | 0  |
| Pontiac Firebird    | 19.2 | 8   | 400.0                 | 175 | 3.08                  | 3.845 | 17.05 | 0  |
| Fiat X1-9           | 27.3 | 4   | 79.0                  | 66  | 4.08                  | 1.935 | 18.90 | 1  |
| Porsche 914-2       | 26.0 | 4   | 120.3                 | 91  | 4.43                  | 2.140 | 16.70 | 0  |
| Lotus Europa        | 30.4 | 4   | 95.1                  | 113 | 3.77                  | 1.513 | 16.90 | 1  |
| Ford Pantera L      | 15.8 | 8   | 351.0                 | 264 | 4.22                  | 3.170 | 14.50 | 0  |
| Ferrari Dino        | 19.7 | 6   | 145.0                 | 175 | 3.62                  | 2.770 | 15.50 | 0  |
|                     |      |     |                       |     |                       |       |       |    |

| Maserati Bora        | 15.0 | 8 | 301.0 | 335 | 3.54 | 3.570 | 14.60 | 0 |
|----------------------|------|---|-------|-----|------|-------|-------|---|
| Volvo 142E           | 21.4 | 4 | 121.0 | 109 | 4.11 | 2.780 | 18.60 | 1 |
| Mazda RX41           | 21.0 | 6 | 160.0 | 110 | 3.90 | 2.620 | 16.46 | 0 |
| Mazda RX4 Wag1       | 21.0 | 6 | 160.0 | 110 | 3.90 | 2.875 | 17.02 | 0 |
| Datsun 7101          | 22.8 | 4 | 108.0 | 93  | 3.85 | 2.320 | 18.61 | 1 |
| Hornet 4 Drive1      | 21.4 | 6 | 258.0 | 110 | 3.08 | 3.215 | 19.44 | 1 |
| Hornet Sportabout1   | 18.7 | 8 | 360.0 | 175 | 3.15 | 3.440 | 17.02 | 0 |
| Valiant1             | 18.1 | 6 | 225.0 | 105 | 2.76 | 3.460 | 20.22 | 1 |
| Duster 3601          | 14.3 | 8 | 360.0 | 245 | 3.21 | 3.570 | 15.84 | 0 |
| Merc 240D1           | 24.4 | 4 | 146.7 | 62  | 3.69 | 3.190 | 20.00 | 1 |
| Merc 2301            | 22.8 | 4 | 140.8 | 95  | 3.92 | 3.150 | 22.90 | 1 |
| Merc 2801            | 19.2 | 6 | 167.6 | 123 | 3.92 | 3.440 | 18.30 | 1 |
| Merc 280C1           | 17.8 | 6 | 167.6 | 123 | 3.92 | 3.440 | 18.90 | 1 |
| Merc 450SE1          | 16.4 | 8 | 275.8 | 180 | 3.07 | 4.070 | 17.40 | 0 |
| Merc 450SL1          | 17.3 | 8 | 275.8 | 180 | 3.07 | 3.730 | 17.60 | 0 |
| Merc~450 SLC1        | 15.2 | 8 | 275.8 | 180 | 3.07 | 3.780 | 18.00 | 0 |
| Cadillac Fleetwood1  | 10.4 | 8 | 472.0 | 205 | 2.93 | 5.250 | 17.98 | 0 |
| Lincoln Continental1 | 10.4 | 8 | 460.0 | 215 | 3.00 | 5.424 | 17.82 | 0 |
| Chrysler Imperial1   | 14.7 | 8 | 440.0 | 230 | 3.23 | 5.345 | 17.42 | 0 |
| Fiat 1281            | 32.4 | 4 | 78.7  | 66  | 4.08 | 2.200 | 19.47 | 1 |
| Honda Civic1         | 30.4 | 4 | 75.7  | 52  | 4.93 | 1.615 | 18.52 | 1 |
| Toyota Corolla1      | 33.9 | 4 | 71.1  | 65  | 4.22 | 1.835 | 19.90 | 1 |
| Toyota Corona1       | 21.5 | 4 | 120.1 | 97  | 3.70 | 2.465 | 20.01 | 1 |
| Dodge Challenger1    | 15.5 | 8 | 318.0 | 150 | 2.76 | 3.520 | 16.87 | 0 |
| AMC Javelin1         | 15.2 | 8 | 304.0 | 150 | 3.15 | 3.435 | 17.30 | 0 |
| Camaro Z281          | 13.3 | 8 | 350.0 | 245 | 3.73 | 3.840 | 15.41 | 0 |
| Pontiac Firebird1    | 19.2 | 8 | 400.0 | 175 | 3.08 | 3.845 | 17.05 | 0 |
| Fiat X1-91           | 27.3 | 4 | 79.0  | 66  | 4.08 | 1.935 | 18.90 | 1 |
| Porsche 914-21       | 26.0 | 4 | 120.3 | 91  | 4.43 | 2.140 | 16.70 | 0 |
| Lotus Europa1        | 30.4 | 4 | 95.1  | 113 | 3.77 | 1.513 | 16.90 | 1 |
| Ford Pantera L1      | 15.8 | 8 | 351.0 | 264 | 4.22 | 3.170 | 14.50 | 0 |
| Ferrari Dino1        | 19.7 | 6 | 145.0 | 175 | 3.62 | 2.770 | 15.50 | 0 |
| Maserati Bora1       | 15.0 | 8 | 301.0 | 335 | 3.54 | 3.570 | 14.60 | 0 |
| Volvo 142E1          | 21.4 | 4 | 121.0 | 109 | 4.11 | 2.780 | 18.60 | 1 |

When you do this, you'll probably want to make the header repeat on new pages. Do this with the kable\_styling function from kableExtra:

```
a_long_table %>%
 kable(booktabs = TRUE, longtable = TRUE) %>%
 kable_styling(latex_options = "repeat_header")
```

|                     | mpg  | cyl | disp  | hp  | drat | wt    | qsec  | vs | am | gear           | carb           |
|---------------------|------|-----|-------|-----|------|-------|-------|----|----|----------------|----------------|
| Mazda RX4           | 21.0 | 6   | 160.0 | 110 | 3.90 | 2.620 | 16.46 | 0  | 1  | 4              | 4              |
| Mazda RX4 Wag       | 21.0 | 6   | 160.0 | 110 | 3.90 | 2.875 | 17.02 | 0  | 1  | $\overline{4}$ | $\overline{4}$ |
| Datsun 710          | 22.8 | 4   | 108.0 | 93  | 3.85 | 2.320 | 18.61 | 1  | 1  | 4              | 1              |
| Hornet 4 Drive      | 21.4 | 6   | 258.0 | 110 | 3.08 | 3.215 | 19.44 | 1  | 0  | 3              | 1              |
| Hornet Sportabout   | 18.7 | 8   | 360.0 | 175 | 3.15 | 3.440 | 17.02 | 0  | 0  | 3              | 2              |
| Valiant             | 18.1 | 6   | 225.0 | 105 | 2.76 | 3.460 | 20.22 | 1  | 0  | 3              | 1              |
| Duster 360          | 14.3 | 8   | 360.0 | 245 | 3.21 | 3.570 | 15.84 | 0  | 0  | 3              | 4              |
| Merc 240D           | 24.4 | 4   | 146.7 | 62  | 3.69 | 3.190 | 20.00 | 1  | 0  | 4              | 2              |
| Merc 230            | 22.8 | 4   | 140.8 | 95  | 3.92 | 3.150 | 22.90 | 1  | 0  | 4              | 2              |
| Merc 280            | 19.2 | 6   | 167.6 | 123 | 3.92 | 3.440 | 18.30 | 1  | 0  | 4              | 4              |
| Merc 280C           | 17.8 | 6   | 167.6 | 123 | 3.92 | 3.440 | 18.90 | 1  | 0  | 4              | 4              |
| Merc 450SE          | 16.4 | 8   | 275.8 | 180 | 3.07 | 4.070 | 17.40 | 0  | 0  | 3              | 3              |
| Merc 450SL          | 17.3 | 8   | 275.8 | 180 | 3.07 | 3.730 | 17.60 | 0  | 0  | 3              | 3              |
| Merc 450SLC         | 15.2 | 8   | 275.8 | 180 | 3.07 | 3.780 | 18.00 | 0  | 0  | 3              | 3              |
| Cadillac Fleetwood  | 10.4 | 8   | 472.0 | 205 | 2.93 | 5.250 | 17.98 | 0  | 0  | 3              | 4              |
| Lincoln Continental | 10.4 | 8   | 460.0 | 215 | 3.00 | 5.424 | 17.82 | 0  | 0  | 3              | 4              |
| Chrysler Imperial   | 14.7 | 8   | 440.0 | 230 | 3.23 | 5.345 | 17.42 | 0  | 0  | 3              | 4              |
| Fiat 128            | 32.4 | 4   | 78.7  | 66  | 4.08 | 2.200 | 19.47 | 1  | 1  | 4              | 1              |
| Honda Civic         | 30.4 | 4   | 75.7  | 52  | 4.93 | 1.615 | 18.52 | 1  | 1  | 4              | 2              |
| Toyota Corolla      | 33.9 | 4   | 71.1  | 65  | 4.22 | 1.835 | 19.90 | 1  | 1  | 4              | 1              |
| Toyota Corona       | 21.5 | 4   | 120.1 | 97  | 3.70 | 2.465 | 20.01 | 1  | 0  | 3              | 1              |
| Dodge Challenger    | 15.5 | 8   | 318.0 | 150 | 2.76 | 3.520 | 16.87 | 0  | 0  | 3              | 2              |
| AMC Javelin         | 15.2 | 8   | 304.0 | 150 | 3.15 | 3.435 | 17.30 | 0  | 0  | 3              | 2              |
| Camaro Z28          | 13.3 | 8   | 350.0 | 245 | 3.73 | 3.840 | 15.41 | 0  | 0  | 3              | 4              |
| Pontiac Firebird    | 19.2 | 8   | 400.0 | 175 | 3.08 | 3.845 | 17.05 | 0  | 0  | 3              | 2              |
| Fiat X1-9           | 27.3 | 4   | 79.0  | 66  | 4.08 | 1.935 | 18.90 | 1  | 1  | 4              | 1              |
| Porsche 914-2       | 26.0 | 4   | 120.3 | 91  | 4.43 | 2.140 | 16.70 | 0  | 1  | 5              | 2              |
| Lotus Europa        | 30.4 | 4   | 95.1  | 113 | 3.77 | 1.513 | 16.90 | 1  | 1  | 5              | 2              |
| Ford Pantera L      | 15.8 | 8   | 351.0 | 264 | 4.22 | 3.170 | 14.50 | 0  | 1  | 5              | 4              |
| Ferrari Dino        | 19.7 | 6   | 145.0 | 175 | 3.62 | 2.770 | 15.50 | 0  | 1  | 5              | 6              |
| Maserati Bora       | 15.0 | 8   | 301.0 | 335 | 3.54 | 3.570 | 14.60 | 0  | 1  | 5              | 8              |
| Volvo 142E          | 21.4 | 4   | 121.0 | 109 | 4.11 | 2.780 | 18.60 | 1  | 1  | 4              | 2              |
| Mazda RX41          | 21.0 | 6   | 160.0 | 110 | 3.90 | 2.620 | 16.46 | 0  | 1  | 4              | 4              |
| Mazda RX4 Wag1      | 21.0 | 6   | 160.0 | 110 | 3.90 | 2.875 | 17.02 | 0  | 1  | 4              | 4              |
| Datsun 7101         | 22.8 | 4   | 108.0 | 93  | 3.85 | 2.320 | 18.61 | 1  | 1  | 4              | 1              |
| Hornet 4 Drive1     | 21.4 | 6   | 258.0 | 110 | 3.08 | 3.215 | 19.44 | 1  | 0  | 3              | 1              |
| Hornet Sportabout1  | 18.7 | 8   | 360.0 | 175 | 3.15 | 3.440 | 17.02 | 0  | 0  | 3              | 2              |
| Valiant1            | 18.1 | 6   | 225.0 | 105 | 2.76 | 3.460 | 20.22 | 1  | 0  | 3              | 1              |
| Duster 3601         | 14.3 | 8   | 360.0 | 245 | 3.21 | 3.570 | 15.84 | 0  | 0  | 3              | 4              |
| Merc 240D1          | 24.4 | 4   | 146.7 | 62  | 3.69 | 3.190 | 20.00 | 1  | 0  | 4              | 2              |

(continued)

| (continuca)          | _    |     |       |     | _    |       |       |    |    |      | _    |
|----------------------|------|-----|-------|-----|------|-------|-------|----|----|------|------|
|                      | mpg  | cyl | disp  | hp  | drat | wt    | qsec  | vs | am | gear | carb |
| Merc 2301            | 22.8 | 4   | 140.8 | 95  | 3.92 | 3.150 | 22.90 | 1  | 0  | 4    | 2    |
| Merc 2801            | 19.2 | 6   | 167.6 | 123 | 3.92 | 3.440 | 18.30 | 1  | 0  | 4    | 4    |
| Merc 280C1           | 17.8 | 6   | 167.6 | 123 | 3.92 | 3.440 | 18.90 | 1  | 0  | 4    | 4    |
| Merc 450SE1          | 16.4 | 8   | 275.8 | 180 | 3.07 | 4.070 | 17.40 | 0  | 0  | 3    | 3    |
| Merc 450SL1          | 17.3 | 8   | 275.8 | 180 | 3.07 | 3.730 | 17.60 | 0  | 0  | 3    | 3    |
| Merc 450SLC1         | 15.2 | 8   | 275.8 | 180 | 3.07 | 3.780 | 18.00 | 0  | 0  | 3    | 3    |
| Cadillac Fleetwood1  | 10.4 | 8   | 472.0 | 205 | 2.93 | 5.250 | 17.98 | 0  | 0  | 3    | 4    |
| Lincoln Continental1 | 10.4 | 8   | 460.0 | 215 | 3.00 | 5.424 | 17.82 | 0  | 0  | 3    | 4    |
| Chrysler Imperial1   | 14.7 | 8   | 440.0 | 230 | 3.23 | 5.345 | 17.42 | 0  | 0  | 3    | 4    |
| Fiat 1281            | 32.4 | 4   | 78.7  | 66  | 4.08 | 2.200 | 19.47 | 1  | 1  | 4    | 1    |
| Honda Civic1         | 30.4 | 4   | 75.7  | 52  | 4.93 | 1.615 | 18.52 | 1  | 1  | 4    | 2    |
| Toyota Corolla1      | 33.9 | 4   | 71.1  | 65  | 4.22 | 1.835 | 19.90 | 1  | 1  | 4    | 1    |
| Toyota Corona1       | 21.5 | 4   | 120.1 | 97  | 3.70 | 2.465 | 20.01 | 1  | 0  | 3    | 1    |
| Dodge Challenger1    | 15.5 | 8   | 318.0 | 150 | 2.76 | 3.520 | 16.87 | 0  | 0  | 3    | 2    |
| AMC Javelin1         | 15.2 | 8   | 304.0 | 150 | 3.15 | 3.435 | 17.30 | 0  | 0  | 3    | 2    |
| Camaro Z281          | 13.3 | 8   | 350.0 | 245 | 3.73 | 3.840 | 15.41 | 0  | 0  | 3    | 4    |
| Pontiac Firebird1    | 19.2 | 8   | 400.0 | 175 | 3.08 | 3.845 | 17.05 | 0  | 0  | 3    | 2    |
| Fiat X1-91           | 27.3 | 4   | 79.0  | 66  | 4.08 | 1.935 | 18.90 | 1  | 1  | 4    | 1    |
| Porsche 914-21       | 26.0 | 4   | 120.3 | 91  | 4.43 | 2.140 | 16.70 | 0  | 1  | 5    | 2    |
| Lotus Europa1        | 30.4 | 4   | 95.1  | 113 | 3.77 | 1.513 | 16.90 | 1  | 1  | 5    | 2    |
| Ford Pantera L1      | 15.8 | 8   | 351.0 | 264 | 4.22 | 3.170 | 14.50 | 0  | 1  | 5    | 4    |
| Ferrari Dino1        | 19.7 | 6   | 145.0 | 175 | 3.62 | 2.770 | 15.50 | 0  | 1  | 5    | 6    |
| Maserati Bora1       | 15.0 | 8   | 301.0 | 335 | 3.54 | 3.570 | 14.60 | 0  | 1  | 5    | 8    |
| Volvo 142E1          | 21.4 | 4   | 121.0 | 109 | 4.11 | 2.780 | 18.60 | 1  | 1  | 4    | 2    |
|                      |      |     |       |     |      |       |       |    |    |      |      |

Unfortunately, we cannot use the scale\_down option with a longtable. So if a longtable is too wide, you can either manually adjust the font size, or show the table in landscape layout. To adjust the font size, use kableExtra's font\_size option:

```
a_long_table %>%
 kable(booktabs = TRUE, longtable = TRUE) %>%
 kable_styling(font_size = 9, latex_options = "repeat_header")
```

|                   | mpg  | cyl | disp  | hp  | drat | wt    | qsec  | vs | am | gear | carb |
|-------------------|------|-----|-------|-----|------|-------|-------|----|----|------|------|
| Mazda RX4         | 21.0 | 6   | 160.0 | 110 | 3.90 | 2.620 | 16.46 | 0  | 1  | 4    | 4    |
| Mazda RX4 Wag     | 21.0 | 6   | 160.0 | 110 | 3.90 | 2.875 | 17.02 | 0  | 1  | 4    | 4    |
| Datsun 710        | 22.8 | 4   | 108.0 | 93  | 3.85 | 2.320 | 18.61 | 1  | 1  | 4    | 1    |
| Hornet 4 Drive    | 21.4 | 6   | 258.0 | 110 | 3.08 | 3.215 | 19.44 | 1  | 0  | 3    | 1    |
| Hornet Sportabout | 18.7 | 8   | 360.0 | 175 | 3.15 | 3.440 | 17.02 | 0  | 0  | 3    | 2    |

(continued)

| (continued)          | mpg  | cyl | disp  | hp  | drat | wt    | qsec  | vs | am | gear | carb |
|----------------------|------|-----|-------|-----|------|-------|-------|----|----|------|------|
| Valiant              | 18.1 | 6   | 225.0 | 105 | 2.76 | 3.460 | 20.22 | 1  | 0  | 3    | 1    |
| Duster 360           | 14.3 | 8   | 360.0 | 245 | 3.21 | 3.570 | 15.84 | 0  | 0  | 3    | 4    |
| Merc 240D            | 24.4 | 4   | 146.7 | 62  | 3.69 | 3.190 | 20.00 | 1  | 0  | 4    | 2    |
| Merc 230             | 22.8 | 4   | 140.8 | 95  | 3.92 | 3.150 | 22.90 | 1  | 0  | 4    | 2    |
| Merc 280             | 19.2 | 6   | 167.6 | 123 | 3.92 | 3.440 | 18.30 | 1  | 0  | 4    | 4    |
| Merc 280C            | 17.8 | 6   | 167.6 | 123 | 3.92 | 3.440 | 18.90 | 1  | 0  | 4    | 4    |
| Merc 450SE           | 16.4 | 8   | 275.8 | 180 | 3.07 | 4.070 | 17.40 | 0  | 0  | 3    | 3    |
| Merc 450SL           | 17.3 | 8   | 275.8 | 180 | 3.07 | 3.730 | 17.60 | 0  | 0  | 3    | 3    |
| Merc 450SLC          | 15.2 | 8   | 275.8 | 180 | 3.07 | 3.780 | 18.00 | 0  | 0  | 3    | 3    |
| Cadillac Fleetwood   | 10.4 | 8   | 472.0 | 205 | 2.93 | 5.250 | 17.98 | 0  | 0  | 3    | 4    |
| Lincoln Continental  | 10.4 | 8   | 460.0 | 215 | 3.00 | 5.424 | 17.82 | 0  | 0  | 3    | 4    |
| Chrysler Imperial    | 14.7 | 8   | 440.0 | 230 | 3.23 | 5.345 | 17.42 | 0  | 0  | 3    | 4    |
| Fiat 128             | 32.4 | 4   | 78.7  | 66  | 4.08 | 2.200 | 19.47 | 1  | 1  | 4    | 1    |
| Honda Civic          | 30.4 | 4   | 75.7  | 52  | 4.93 | 1.615 | 18.52 | 1  | 1  | 4    | 2    |
| Toyota Corolla       | 33.9 | 4   | 71.1  | 65  | 4.22 | 1.835 | 19.90 | 1  | 1  | 4    | 1    |
| Toyota Corona        | 21.5 | 4   | 120.1 | 97  | 3.70 | 2.465 | 20.01 | 1  | 0  | 3    | 1    |
| Dodge Challenger     | 15.5 | 8   | 318.0 | 150 | 2.76 | 3.520 | 16.87 | 0  | 0  | 3    | 2    |
| AMC Javelin          | 15.2 | 8   | 304.0 | 150 | 3.15 | 3.435 | 17.30 | 0  | 0  | 3    | 2    |
| Camaro Z28           | 13.3 | 8   | 350.0 | 245 | 3.73 | 3.840 | 15.41 | 0  | 0  | 3    | 4    |
| Pontiac Firebird     | 19.2 | 8   | 400.0 | 175 | 3.08 | 3.845 | 17.05 | 0  | 0  | 3    | 2    |
| Fiat X1-9            | 27.3 | 4   | 79.0  | 66  | 4.08 | 1.935 | 18.90 | 1  | 1  | 4    | 1    |
| Porsche 914-2        | 26.0 | 4   | 120.3 | 91  | 4.43 | 2.140 | 16.70 | 0  | 1  | 5    | 2    |
| Lotus Europa         | 30.4 | 4   | 95.1  | 113 | 3.77 | 1.513 | 16.90 | 1  | 1  | 5    | 2    |
| Ford Pantera L       | 15.8 | 8   | 351.0 | 264 | 4.22 | 3.170 | 14.50 | 0  | 1  | 5    | 4    |
| Ferrari Dino         | 19.7 | 6   | 145.0 | 175 | 3.62 | 2.770 | 15.50 | 0  | 1  | 5    | 6    |
| Maserati Bora        | 15.0 | 8   | 301.0 | 335 | 3.54 | 3.570 | 14.60 | 0  | 1  | 5    | 8    |
| Volvo 142E           | 21.4 | 4   | 121.0 | 109 | 4.11 | 2.780 | 18.60 | 1  | 1  | 4    | 2    |
| Mazda RX41           | 21.0 | 6   | 160.0 | 110 | 3.90 | 2.620 | 16.46 | 0  | 1  | 4    | 4    |
| Mazda RX4 Wag1       | 21.0 | 6   | 160.0 | 110 | 3.90 | 2.875 | 17.02 | 0  | 1  | 4    | 4    |
| Datsun 7101          | 22.8 | 4   | 108.0 | 93  | 3.85 | 2.320 | 18.61 | 1  | 1  | 4    | 1    |
| Hornet 4 Drive1      | 21.4 | 6   | 258.0 | 110 | 3.08 | 3.215 | 19.44 | 1  | 0  | 3    | 1    |
| Hornet Sportabout1   | 18.7 | 8   | 360.0 | 175 | 3.15 | 3.440 | 17.02 | 0  | 0  | 3    | 2    |
| Valiant1             | 18.1 | 6   | 225.0 | 105 | 2.76 | 3.460 | 20.22 | 1  | 0  | 3    | 1    |
| Duster 3601          | 14.3 | 8   | 360.0 | 245 | 3.21 | 3.570 | 15.84 | 0  | 0  | 3    | 4    |
| Merc 240D1           | 24.4 | 4   | 146.7 | 62  | 3.69 | 3.190 | 20.00 | 1  | 0  | 4    | 2    |
| Merc 2301            | 22.8 | 4   | 140.8 | 95  | 3.92 | 3.150 | 22.90 | 1  | 0  | 4    | 2    |
| Merc 2801            | 19.2 | 6   | 167.6 | 123 | 3.92 | 3.440 | 18.30 | 1  | 0  | 4    | 4    |
| Merc 280C1           | 17.8 | 6   | 167.6 | 123 | 3.92 | 3.440 | 18.90 | 1  | 0  | 4    | 4    |
| Merc 450SE1          | 16.4 | 8   | 275.8 | 180 | 3.07 | 4.070 | 17.40 | 0  | 0  | 3    | 3    |
| Merc 450SL1          | 17.3 | 8   | 275.8 | 180 | 3.07 | 3.730 | 17.60 | 0  | 0  | 3    | 3    |
| Merc~450 SLC1        | 15.2 | 8   | 275.8 | 180 | 3.07 | 3.780 | 18.00 | 0  | 0  | 3    | 3    |
| Cadillac Fleetwood1  | 10.4 | 8   | 472.0 | 205 | 2.93 | 5.250 | 17.98 | 0  | 0  | 3    | 4    |
| Lincoln Continental1 | 10.4 | 8   | 460.0 | 215 | 3.00 | 5.424 | 17.82 | 0  | 0  | 3    | 4    |
| Chrysler Imperial1   | 14.7 | 8   | 440.0 | 230 | 3.23 | 5.345 | 17.42 | 0  | 0  | 3    | 4    |
| Fiat 1281            | 32.4 | 4   | 78.7  | 66  | 4.08 | 2.200 | 19.47 | 1  | 1  | 4    | 1    |
| Honda Civic1         | 30.4 | 4   | 75.7  | 52  | 4.93 | 1.615 | 18.52 | 1  | 1  | 4    | 2    |
| Toyota Corolla1      | 33.9 | 4   | 71.1  | 65  | 4.22 | 1.835 | 19.90 | 1  | 1  | 4    | 1    |
| Toyota Corona1       | 21.5 | 4   | 120.1 | 97  | 3.70 | 2.465 | 20.01 | 1  | 0  | 3    | 1    |
| Dodge Challenger1    | 15.5 | 8   | 318.0 | 150 | 2.76 | 3.520 | 16.87 | 0  | 0  | 3    | 2    |
| AMC Javelin1         | 15.2 | 8   | 304.0 | 150 | 3.15 | 3.435 | 17.30 | 0  | 0  | 3    | 2    |
| Camaro Z281          | 13.3 | 8   | 350.0 | 245 | 3.73 | 3.840 | 15.41 | 0  | 0  | 3    | 4    |
|                      |      |     |       |     |      |       |       |    |    |      |      |

#### (continued)

|                   | mpg  | cyl | $\operatorname{disp}$ | hp  | $\operatorname{drat}$ | wt    | qsec  | vs | am | gear | carb |
|-------------------|------|-----|-----------------------|-----|-----------------------|-------|-------|----|----|------|------|
| Pontiac Firebird1 | 19.2 | 8   | 400.0                 | 175 | 3.08                  | 3.845 | 17.05 | 0  | 0  | 3    | 2    |
| Fiat X1-91        | 27.3 | 4   | 79.0                  | 66  | 4.08                  | 1.935 | 18.90 | 1  | 1  | 4    | 1    |
| Porsche 914-21    | 26.0 | 4   | 120.3                 | 91  | 4.43                  | 2.140 | 16.70 | 0  | 1  | 5    | 2    |
| Lotus Europa1     | 30.4 | 4   | 95.1                  | 113 | 3.77                  | 1.513 | 16.90 | 1  | 1  | 5    | 2    |
| Ford Pantera L1   | 15.8 | 8   | 351.0                 | 264 | 4.22                  | 3.170 | 14.50 | 0  | 1  | 5    | 4    |
| Ferrari Dino1     | 19.7 | 6   | 145.0                 | 175 | 3.62                  | 2.770 | 15.50 | 0  | 1  | 5    | 6    |
| Maserati Bora1    | 15.0 | 8   | 301.0                 | 335 | 3.54                  | 3.570 | 14.60 | 0  | 1  | 5    | 8    |
| Volvo 142E1       | 21.4 | 4   | 121.0                 | 109 | 4.11                  | 2.780 | 18.60 | 1  | 1  | 4    | 2    |

To put the table in landscape mode, use kableExtra's landscape function:

```
a_long_table %>%
 kable(booktabs = TRUE, longtable = TRUE) %>%
 kable_styling(latex_options = "repeat_header") %>%
 landscape()
```

|                     | mpg  | cyl | $\operatorname{disp}$ | hp  | $\operatorname{drat}$ | wt    | qsec  | VS | am | gear | carb |
|---------------------|------|-----|-----------------------|-----|-----------------------|-------|-------|----|----|------|------|
| Mazda RX4           | 21.0 | 6   | 160.0                 | 110 | 3.90                  | 2.620 | 16.46 | 0  | 1  | 4    | 4    |
| Mazda RX4 Wag       | 21.0 | 6   | 160.0                 | 110 | 3.90                  | 2.875 | 17.02 | 0  | 1  | 4    | 4    |
| Datsun 710          | 22.8 | 4   | 108.0                 | 93  | 3.85                  | 2.320 | 18.61 | 1  | 1  | 4    | 1    |
| Hornet 4 Drive      | 21.4 | 6   | 258.0                 | 110 | 3.08                  | 3.215 | 19.44 | 1  | 0  | 3    | 1    |
| Hornet Sportabout   | 18.7 | 8   | 360.0                 | 175 | 3.15                  | 3.440 | 17.02 | 0  | 0  | 3    | 2    |
| Valiant             | 18.1 | 6   | 225.0                 | 105 | 2.76                  | 3.460 | 20.22 | 1  | 0  | 3    | 1    |
| Duster 360          | 14.3 | 8   | 360.0                 | 245 | 3.21                  | 3.570 | 15.84 | 0  | 0  | 3    | 4    |
| Merc 240D           | 24.4 | 4   | 146.7                 | 62  | 3.69                  | 3.190 | 20.00 | 1  | 0  | 4    | 2    |
| Merc 230            | 22.8 | 4   | 140.8                 | 95  | 3.92                  | 3.150 | 22.90 | 1  | 0  | 4    | 2    |
| Merc 280            | 19.2 | 6   | 167.6                 | 123 | 3.92                  | 3.440 | 18.30 | 1  | 0  | 4    | 4    |
| Merc 280C           | 17.8 | 6   | 167.6                 | 123 | 3.92                  | 3.440 | 18.90 | 1  | 0  | 4    | 4    |
| Merc 450SE          | 16.4 | 8   | 275.8                 | 180 | 3.07                  | 4.070 | 17.40 | 0  | 0  | 3    | 3    |
| Merc 450SL          | 17.3 | 8   | 275.8                 | 180 | 3.07                  | 3.730 | 17.60 | 0  | 0  | 3    | 3    |
| Merc 450SLC         | 15.2 | 8   | 275.8                 | 180 | 3.07                  | 3.780 | 18.00 | 0  | 0  | 3    | 3    |
| Cadillac Fleetwood  | 10.4 | 8   | 472.0                 | 205 | 2.93                  | 5.250 | 17.98 | 0  | 0  | 3    | 4    |
| Lincoln Continental | 10.4 | 8   | 460.0                 | 215 | 3.00                  | 5.424 | 17.82 | 0  | 0  | 3    | 4    |
| Chrysler Imperial   | 14.7 | 8   | 440.0                 | 230 | 3.23                  | 5.345 | 17.42 | 0  | 0  | 3    | 4    |
| Fiat 128            | 32.4 | 4   | 78.7                  | 66  | 4.08                  | 2.200 | 19.47 | 1  | 1  | 4    | 1    |
| Honda Civic         | 30.4 | 4   | 75.7                  | 52  | 4.93                  | 1.615 | 18.52 | 1  | 1  | 4    | 2    |
| Toyota Corolla      | 33.9 | 4   | 71.1                  | 65  | 4.22                  | 1.835 | 19.90 | 1  | 1  | 4    | 1    |
| Toyota Corona       | 21.5 | 4   | 120.1                 | 97  | 3.70                  | 2.465 | 20.01 | 1  | 0  | 3    | 1    |
| Dodge Challenger    | 15.5 | 8   | 318.0                 | 150 | 2.76                  | 3.520 | 16.87 | 0  | 0  | 3    | 2    |
| AMC Javelin         | 15.2 | 8   | 304.0                 | 150 | 3.15                  | 3.435 | 17.30 | 0  | 0  | 3    | 2    |
| Camaro Z28          | 13.3 | 8   | 350.0                 | 245 | 3.73                  | 3.840 | 15.41 | 0  | 0  | 3    | 4    |
| Pontiac Firebird    | 19.2 | 8   | 400.0                 | 175 | 3.08                  | 3.845 | 17.05 | 0  | 0  | 3    | 2    |

| (00,000,000)         |      |     |                       |     |                       |       |       |    |    |      |      |
|----------------------|------|-----|-----------------------|-----|-----------------------|-------|-------|----|----|------|------|
|                      | mpg  | cyl | $\operatorname{disp}$ | hp  | $\operatorname{drat}$ | wt    | qsec  | vs | am | gear | carb |
| Fiat X1-9            | 27.3 | 4   | 79.0                  | 66  | 4.08                  | 1.935 | 18.90 | 1  | 1  | 4    | 1    |
| Porsche 914-2        | 26.0 | 4   | 120.3                 | 91  | 4.43                  | 2.140 | 16.70 | 0  | 1  | 5    | 2    |
| Lotus Europa         | 30.4 | 4   | 95.1                  | 113 | 3.77                  | 1.513 | 16.90 | 1  | 1  | 5    | 2    |
| Ford Pantera L       | 15.8 | 8   | 351.0                 | 264 | 4.22                  | 3.170 | 14.50 | 0  | 1  | 5    | 4    |
| Ferrari Dino         | 19.7 | 6   | 145.0                 | 175 | 3.62                  | 2.770 | 15.50 | 0  | 1  | 5    | 6    |
| Maserati Bora        | 15.0 | 8   | 301.0                 | 335 | 3.54                  | 3.570 | 14.60 | 0  | 1  | 5    | 8    |
| Volvo 142E           | 21.4 | 4   | 121.0                 | 109 | 4.11                  | 2.780 | 18.60 | 1  | 1  | 4    | 2    |
| Mazda RX41           | 21.0 | 6   | 160.0                 | 110 | 3.90                  | 2.620 | 16.46 | 0  | 1  | 4    | 4    |
| Mazda RX4 Wag1       | 21.0 | 6   | 160.0                 | 110 | 3.90                  | 2.875 | 17.02 | 0  | 1  | 4    | 4    |
| Datsun 7101          | 22.8 | 4   | 108.0                 | 93  | 3.85                  | 2.320 | 18.61 | 1  | 1  | 4    | 1    |
| Hornet 4 Drive1      | 21.4 | 6   | 258.0                 | 110 | 3.08                  | 3.215 | 19.44 | 1  | 0  | 3    | 1    |
| Hornet Sportabout1   | 18.7 | 8   | 360.0                 | 175 | 3.15                  | 3.440 | 17.02 | 0  | 0  | 3    | 2    |
| Valiant1             | 18.1 | 6   | 225.0                 | 105 | 2.76                  | 3.460 | 20.22 | 1  | 0  | 3    | 1    |
| Duster 3601          | 14.3 | 8   | 360.0                 | 245 | 3.21                  | 3.570 | 15.84 | 0  | 0  | 3    | 4    |
| Merc 240D1           | 24.4 | 4   | 146.7                 | 62  | 3.69                  | 3.190 | 20.00 | 1  | 0  | 4    | 2    |
| Merc 2301            | 22.8 | 4   | 140.8                 | 95  | 3.92                  | 3.150 | 22.90 | 1  | 0  | 4    | 2    |
| Merc 2801            | 19.2 | 6   | 167.6                 | 123 | 3.92                  | 3.440 | 18.30 | 1  | 0  | 4    | 4    |
| Merc 280C1           | 17.8 | 6   | 167.6                 | 123 | 3.92                  | 3.440 | 18.90 | 1  | 0  | 4    | 4    |
| Merc 450SE1          | 16.4 | 8   | 275.8                 | 180 | 3.07                  | 4.070 | 17.40 | 0  | 0  | 3    | 3    |
| Merc 450SL1          | 17.3 | 8   | 275.8                 | 180 | 3.07                  | 3.730 | 17.60 | 0  | 0  | 3    | 3    |
| Merc 450SLC1         | 15.2 | 8   | 275.8                 | 180 | 3.07                  | 3.780 | 18.00 | 0  | 0  | 3    | 3    |
| Cadillac Fleetwood1  | 10.4 | 8   | 472.0                 | 205 | 2.93                  | 5.250 | 17.98 | 0  | 0  | 3    | 4    |
| Lincoln Continental1 | 10.4 | 8   | 460.0                 | 215 | 3.00                  | 5.424 | 17.82 | 0  | 0  | 3    | 4    |
| Chrysler Imperial1   | 14.7 | 8   | 440.0                 | 230 | 3.23                  | 5.345 | 17.42 | 0  | 0  | 3    | 4    |

#### (continued)

| (                 |      |     |                       |     |                       |       |       |    |    |      |      |
|-------------------|------|-----|-----------------------|-----|-----------------------|-------|-------|----|----|------|------|
|                   | mpg  | cyl | $\operatorname{disp}$ | hp  | $\operatorname{drat}$ | wt    | qsec  | vs | am | gear | carb |
| Fiat 1281         | 32.4 | 4   | 78.7                  | 66  | 4.08                  | 2.200 | 19.47 | 1  | 1  | 4    | 1    |
| Honda Civic1      | 30.4 | 4   | 75.7                  | 52  | 4.93                  | 1.615 | 18.52 | 1  | 1  | 4    | 2    |
| Toyota Corolla1   | 33.9 | 4   | 71.1                  | 65  | 4.22                  | 1.835 | 19.90 | 1  | 1  | 4    | 1    |
| Toyota Corona1    | 21.5 | 4   | 120.1                 | 97  | 3.70                  | 2.465 | 20.01 | 1  | 0  | 3    | 1    |
| Dodge Challenger1 | 15.5 | 8   | 318.0                 | 150 | 2.76                  | 3.520 | 16.87 | 0  | 0  | 3    | 2    |
| AMC Javelin1      | 15.2 | 8   | 304.0                 | 150 | 3.15                  | 3.435 | 17.30 | 0  | 0  | 3    | 2    |
| Camaro Z281       | 13.3 | 8   | 350.0                 | 245 | 3.73                  | 3.840 | 15.41 | 0  | 0  | 3    | 4    |
| Pontiac Firebird1 | 19.2 | 8   | 400.0                 | 175 | 3.08                  | 3.845 | 17.05 | 0  | 0  | 3    | 2    |
| Fiat X1-91        | 27.3 | 4   | 79.0                  | 66  | 4.08                  | 1.935 | 18.90 | 1  | 1  | 4    | 1    |
| Porsche 914-21    | 26.0 | 4   | 120.3                 | 91  | 4.43                  | 2.140 | 16.70 | 0  | 1  | 5    | 2    |
| Lotus Europa1     | 30.4 | 4   | 95.1                  | 113 | 3.77                  | 1.513 | 16.90 | 1  | 1  | 5    | 2    |
| Ford Pantera L1   | 15.8 | 8   | 351.0                 | 264 | 4.22                  | 3.170 | 14.50 | 0  | 1  | 5    | 4    |
| Ferrari Dino1     | 19.7 | 6   | 145.0                 | 175 | 3.62                  | 2.770 | 15.50 | 0  | 1  | 5    | 6    |
| Maserati Bora1    | 15.0 | 8   | 301.0                 | 335 | 3.54                  | 3.570 | 14.60 | 0  | 1  | 5    | 8    |
| Volvo 142E1       | 21.4 | 4   | 121.0                 | 109 | 4.11                  | 2.780 | 18.60 | 1  | 1  | 4    | 2    |
|                   |      |     |                       |     |                       |       |       |    |    |      |      |

#### 3.2.6 Max power: manually adjust the raw LaTeX output

For total flexibility, you can adjust the raw LaTeX output from kable/kableExtra that generates the table. Let us consider how we would do this for the example of adjusting the font size if our table is too wide: Latex has a bunch of standard commands that set an approximate font size, as shown below in Figure 3.1.

| \tiny         | Lorem ipsum |
|---------------|-------------|
| \scriptsize   | Lorem ipsum |
| \footnotesize | Lorem ipsum |
| \small        | Lorem ipsum |

Figure 3.1: Font sizes in LaTeX

You could use these to manually adjust the font size in your longtable in two steps:

- 1. Wrap the longtable environment in, e.g., a scriptsize environment, by doing a string replacement in the output from kable/kableExtra
- 2. Add the attributes that make R Markdown understand that the table is a table (it seems R drops these when we do the string replacement)

our\_adjusted\_table %>%
 structure(format = "latex", class = "knitr\_kable")

|                                                        | mpg            | cyl           | disp             | hp                | $\operatorname{drat}$ | wt                    | qsec             | vs            | am     | gear   | carb   |
|--------------------------------------------------------|----------------|---------------|------------------|-------------------|-----------------------|-----------------------|------------------|---------------|--------|--------|--------|
| Mazda RX4                                              | 21.0           | 6             | 160.0            | 110               | 3.90                  | 2.620                 | 16.46            | 0             | 1      | 4      | 4      |
| Mazda RX4 Wag                                          | 21.0           | 6             | 160.0            | 110               | 3.90                  | 2.875                 | 17.02            | 0             | 1      | 4      | 4      |
| Datsun 710                                             | 22.8           | 4             | 108.0            | 93                | 3.85                  | 2.320                 | 18.61            | 1             | 1      | 4      | 1      |
| Hornet 4 Drive                                         | 21.4           | 6             | 258.0            | 110               | 3.08                  | 3.215                 | 19.44            | 1             | 0      | 3      | 1      |
| Hornet Sportabout                                      | 18.7           | 8             | 360.0            | 175               | 3.15                  | 3.440                 | 17.02            | 0             | 0      | 3      | 2      |
| Valiant                                                | 18.1           | 6             | 225.0            | 105               | 2.76                  | 3.460                 | 20.22            | 1             | 0      | 3      | 1      |
| Duster 360                                             | 14.3           | 8             | 360.0            | 245               | 3.21                  | 3.570                 | 15.84            | 0             | 0      | 3      | 4      |
| Merc 240D                                              | 24.4           | 4             | 146.7            | 62                | 3.69                  | 3.190                 | 20.00            | 1             | 0      | 4      | 2      |
| Merc 230                                               | 22.8           | 4             | 140.8            | 95                | 3.92                  | 3.150                 | 22.90            | 1             | 0      | 4      | 2      |
| Merc 280                                               | 19.2           | 6             | 167.6            | 123               | 3.92                  | 3.440                 | 18.30            | 1             | 0      | 4      | 4      |
| Merc 280C                                              | 17.8           | 6             | 167.6            | 123               | 3.92                  | 3.440                 | 18.90            | 1             | 0      | 4      | 4      |
| Merc 450SE                                             | 16.4           | 8             | 275.8            | 180               | 3.07                  | 4.070                 | 17.40            | 0             | 0      | 3      | 3      |
| Merc 450SL                                             | 17.3           | 8             | 275.8            | 180               | 3.07                  | 3.730                 | 17.60            | 0             | 0      | 3      | 3      |
| Merc 450SLC                                            | 15.2           | 8             | 275.8            | 180               | 3.07                  | 3.780                 | 18.00            | 0             | 0      | 3      | 3      |
| Cadillac Fleetwood                                     | 10.4           | 8             | 472.0            | 205               | 2.93                  | 5.250                 | 17.98            | 0             | 0      | 3      | 4      |
| Lincoln Continental                                    | 10.4           | 8             | 460.0            | 215               | 3.00                  | 5.424                 | 17.82            | 0             | 0      | 3      | 4      |
| Chrysler Imperial                                      | 14.7           | 8             | 440.0            | 230               | 3.23                  | 5.345                 | 17.42            | 0             | 0      | 3      | 4      |
| Fiat 128                                               | 32.4           | 4             | 78.7             | 66                | 4.08                  | 2.200                 | 19.47            | 1             | 1      | 4      | 1      |
| Honda Civic                                            | 30.4           | 4             | 75.7             | 52                | 4.93                  | 1.615                 | 18.52            | 1             | 1      | 4      | 2      |
| Toyota Corolla                                         | 33.9           | 4             | 71.1             | 65                | 4.22                  | 1.835                 | 19.90            | 1             | 1      | 4      | 1      |
| Γoyota Corona                                          | 21.5           | 4             | 120.1            | 97                | 3.70                  | 2.465                 | 20.01            | 1             | 0      | 3      | 1      |
| Dodge Challenger                                       | 15.5           | 8             | 318.0            | 150               | 2.76                  | 3.520                 | 16.87            | 0             | 0      | 3      | 2      |
| AMC Javelin                                            | 15.2           | 8             | 304.0            | 150               | $\frac{2.76}{3.15}$   | 3.435                 | 17.30            | 0             | 0      | 3      | 2      |
| Camaro Z28                                             | 13.2 $13.3$    | 8             | 350.0            | 245               | 3.73                  | 3.840                 | 17.30 $15.41$    | 0             | 0      | 3      | 4      |
| Pontiac Firebird                                       | 19.2           | 8             | 400.0            | 175               | 3.08                  | 3.845                 | 17.05            | 0             | 0      | 3      | 2      |
| Fiat X1-9                                              | 27.3           | 4             | 79.0             | 66                | 4.08                  | 1.935                 | 18.90            | 1             | 1      | 4      | 1      |
| Porsche 914-2                                          | 26.0           | 4             | 120.3            | 91                | 4.43                  | 2.140                 | 16.70            | 0             | 1      | 5      | 2      |
| Lotus Europa                                           | 30.4           | 4             | 95.1             | 113               | $\frac{4.43}{3.77}$   | 1.513                 | 16.70            | 1             | 1      | 5      | 2      |
| Ford Pantera L                                         | 15.8           | 8             | 351.0            | $\frac{113}{264}$ | $\frac{3.77}{4.22}$   | 3.170                 |                  | 0             | 1      | 5<br>5 | 4      |
| Ferrari Dino                                           | 19.7           | 6             | 145.0            | $\frac{204}{175}$ | $\frac{4.22}{3.62}$   | $\frac{3.170}{2.770}$ | 14.50 $15.50$    | 0             | 1      | 5<br>5 | 6      |
|                                                        |                |               |                  |                   |                       |                       |                  | 0             | 1      | -      | 8      |
| Maserati Bora                                          | 15.0           | 8             | 301.0            | 335               | 3.54                  | 3.570                 | 14.60            | 0             | 1      | 5<br>4 | 2      |
| Volvo 142E                                             | 21.4           | 4             | 121.0            | 109               | 4.11                  | 2.780                 | 18.60            | 1             | 1      |        |        |
| Mazda RX41                                             | 21.0           | 6             | 160.0            | 110               | 3.90                  | 2.620                 | 16.46            | 0             | 1      | 4      | 4      |
| Mazda RX4 Wag1<br>Datsun 7101                          | $21.0 \\ 22.8$ | $\frac{6}{4}$ | $160.0 \\ 108.0$ | $\frac{110}{93}$  | $\frac{3.90}{3.85}$   | 2.875 $2.320$         | $17.02 \\ 18.61$ | 0 $1$         | 1<br>1 | 4      | 4      |
|                                                        |                |               |                  |                   |                       |                       |                  |               |        |        |        |
| Hornet 4 Drive1<br>Hornet Sportabout1                  | $21.4 \\ 18.7$ | 6<br>8        | $258.0 \\ 360.0$ | $\frac{110}{175}$ | $3.08 \\ 3.15$        | $3.215 \\ 3.440$      | $19.44 \\ 17.02$ | $\frac{1}{0}$ | 0<br>0 | 3<br>3 | 1 2    |
| Valiant1                                               | 18.1           | 6             | 225.0            | 105               | $\frac{3.15}{2.76}$   | 3.440                 | 20.22            | 1             | 0      | 3      | 1      |
| Duster 3601                                            | 14.3           | 8             | 360.0            | 245               | 3.21                  | 3.570                 | 15.84            | 0             | 0      | 3      | 4      |
| Merc 240D1                                             | 24.4           | 4             | 146.7            | 62                | 3.69                  | 3.190                 | 20.00            | 1             | 0      | 4      | 2      |
|                                                        |                |               |                  |                   |                       |                       |                  | -             | _      | 4      |        |
| Merc 2301                                              | 22.8           | 4             | 140.8            | 95                | 3.92                  | 3.150                 | 22.90            | 1             | 0      | 4      | 2      |
| Merc 2801                                              | 19.2           | 6             | 167.6            | 123               | 3.92                  | 3.440                 | 18.30            | 1             | 0      | 4      | 4      |
| Merc 280C1                                             | 17.8           | 6             | 167.6            | 123               | 3.92                  | 3.440                 | 18.90            | 1             | 0      | 4      | 4      |
| Merc 450SE1                                            | 16.4           | 8             | 275.8            | 180               | 3.07                  | 4.070                 | 17.40            | 0             | 0      | 3      | 3      |
| Merc 450SL1                                            | 17.3           | 8             | 275.8            | 180               | 3.07                  | 3.730                 | 17.60            | 0             | 0      | 3      | 3      |
| Merc 450SLC1                                           | 15.2           | 8             | 275.8            | 180               | 3.07                  | 3.780                 | 18.00            | 0             | 0      | 3      | 3      |
| Cadillac Fleetwood1                                    | 10.4           | 8             | 472.0            | 205               | 2.93                  | 5.250                 | 17.98            | 0             | 0      | 3      | 4      |
| Lincoln Continental1                                   | 10.4           | 8             | 460.0            | 215               | 3.00                  | 5.424                 | 17.82            | 0             | 0      | 3      | 4      |
| Chrysler Imperial1                                     | 14.7           | 8             | 440.0            | 230               | 3.23                  | 5.345                 | 17.42            | 0             | 0      | 3      | 4      |
| Fiat 1281                                              | 32.4           | 4             | 78.7             | 66                | 4.08                  | 2.200                 | 19.47            | 1             | 1      | 4      | 1      |
| Honda Civic1                                           | 30.4           | 4             | 75.7             | 52                | 4.93                  | 1.615                 | 18.52            | 1             | 1      | 4      | 2      |
|                                                        | 33.9           | 4             | 71.1             | 65                | 4.22                  | 1.835                 | 19.90            | 1             | 1      | 4      | ]      |
| royota Coronar                                         |                |               |                  |                   |                       |                       |                  |               |        |        |        |
| v                                                      |                | 4             | 120.1            | 97                | 3.70                  | 2.465                 | 20.01            | 1             | 0      | 3      | 1      |
| Toyota Corolla1<br>Toyota Corona1<br>Dodge Challenger1 | $21.5 \\ 15.5$ | 4<br>8        | $120.1 \\ 318.0$ | 97<br>150         | $3.70 \\ 2.76$        | $2.465 \\ 3.520$      | $20.01 \\ 16.87$ | $\frac{1}{0}$ | 0<br>0 | 3<br>3 | 1<br>2 |

| /     |       | 7   |
|-------|-------|-----|
| l cor | ntimi | uea |

| mpg  | cyl                                                          | $_{ m disp}$                                                                 | hp                                                                                                                         | $\operatorname{drat}$                                                                                                                                    | wt                                                                                                                                                                                                                                                                                                                                                    | qsec                                                                                                                                                                                                                                                                                                                                                                                                                                  | vs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | am                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | gear                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | carb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------|--------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                                                              |                                                                              |                                                                                                                            |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 13.3 | 8                                                            | 350.0                                                                        | 245                                                                                                                        | 3.73                                                                                                                                                     | 3.840                                                                                                                                                                                                                                                                                                                                                 | 15.41                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 19.2 | 8                                                            | 400.0                                                                        | 175                                                                                                                        | 3.08                                                                                                                                                     | 3.845                                                                                                                                                                                                                                                                                                                                                 | 17.05                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 27.3 | 4                                                            | 79.0                                                                         | 66                                                                                                                         | 4.08                                                                                                                                                     | 1.935                                                                                                                                                                                                                                                                                                                                                 | 18.90                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 26.0 | 4                                                            | 120.3                                                                        | 91                                                                                                                         | 4.43                                                                                                                                                     | 2.140                                                                                                                                                                                                                                                                                                                                                 | 16.70                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 30.4 | 4                                                            | 95.1                                                                         | 113                                                                                                                        | 3.77                                                                                                                                                     | 1.513                                                                                                                                                                                                                                                                                                                                                 | 16.90                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 15.8 | 8                                                            | 351.0                                                                        | 264                                                                                                                        | 4.22                                                                                                                                                     | 3.170                                                                                                                                                                                                                                                                                                                                                 | 14.50                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 19.7 | 6                                                            | 145.0                                                                        | 175                                                                                                                        | 3.62                                                                                                                                                     | 2.770                                                                                                                                                                                                                                                                                                                                                 | 15.50                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 15.0 | 8                                                            | 301.0                                                                        | 335                                                                                                                        | 3.54                                                                                                                                                     | 3.570                                                                                                                                                                                                                                                                                                                                                 | 14.60                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 21.4 | 4                                                            | 121.0                                                                        | 109                                                                                                                        | 4.11                                                                                                                                                     | 2.780                                                                                                                                                                                                                                                                                                                                                 | 18.60                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|      | 13.3<br>19.2<br>27.3<br>26.0<br>30.4<br>15.8<br>19.7<br>15.0 | 13.3 8<br>19.2 8<br>27.3 4<br>26.0 4<br>30.4 4<br>15.8 8<br>19.7 6<br>15.0 8 | 13.3 8 350.0<br>19.2 8 400.0<br>27.3 4 79.0<br>26.0 4 120.3<br>30.4 4 95.1<br>15.8 8 351.0<br>19.7 6 145.0<br>15.0 8 301.0 | 13.3 8 350.0 245<br>19.2 8 400.0 175<br>27.3 4 79.0 66<br>26.0 4 120.3 91<br>30.4 4 95.1 113<br>15.8 8 351.0 264<br>19.7 6 145.0 175<br>15.0 8 301.0 335 | 13.3     8     350.0     245     3.73       19.2     8     400.0     175     3.08       27.3     4     79.0     66     4.08       26.0     4     120.3     91     4.43       30.4     4     95.1     113     3.77       15.8     8     351.0     264     4.22       19.7     6     145.0     175     3.62       15.0     8     301.0     335     3.54 | 13.3     8     350.0     245     3.73     3.840       19.2     8     400.0     175     3.08     3.845       27.3     4     79.0     66     4.08     1.935       26.0     4     120.3     91     4.43     2.140       30.4     4     95.1     113     3.77     1.513       15.8     8     351.0     264     4.22     3.170       19.7     6     145.0     175     3.62     2.770       15.0     8     301.0     335     3.54     3.570 | 13.3     8     350.0     245     3.73     3.840     15.41       19.2     8     400.0     175     3.08     3.845     17.05       27.3     4     79.0     66     4.08     1.935     18.90       26.0     4     120.3     91     4.43     2.140     16.70       30.4     4     95.1     113     3.77     1.513     16.90       15.8     8     351.0     264     4.22     3.170     14.50       19.7     6     145.0     175     3.62     2.770     15.50       15.0     8     301.0     335     3.54     3.570     14.60 | 13.3     8     350.0     245     3.73     3.840     15.41     0       19.2     8     400.0     175     3.08     3.845     17.05     0       27.3     4     79.0     66     4.08     1.935     18.90     1       26.0     4     120.3     91     4.43     2.140     16.70     0       30.4     4     95.1     113     3.77     1.513     16.90     1       15.8     8     351.0     264     4.22     3.170     14.50     0       19.7     6     145.0     175     3.62     2.770     15.50     0       15.0     8     301.0     335     3.54     3.570     14.60     0 | 13.3     8     350.0     245     3.73     3.840     15.41     0     0       19.2     8     400.0     175     3.08     3.845     17.05     0     0       27.3     4     79.0     66     4.08     1.935     18.90     1     1       26.0     4     120.3     91     4.43     2.140     16.70     0     1       30.4     4     95.1     113     3.77     1.513     16.90     1     1       15.8     8     351.0     264     4.22     3.170     14.50     0     1       19.7     6     145.0     175     3.62     2.770     15.50     0     1       15.0     8     301.0     335     3.54     3.570     14.60     0     1 | 13.3     8     350.0     245     3.73     3.840     15.41     0     0     3       19.2     8     400.0     175     3.08     3.845     17.05     0     0     3       27.3     4     79.0     66     4.08     1.935     18.90     1     1     4       26.0     4     120.3     91     4.43     2.140     16.70     0     1     5       30.4     4     95.1     113     3.77     1.513     16.90     1     1     5       15.8     8     351.0     264     4.22     3.170     14.50     0     1     5       19.7     6     145.0     175     3.62     2.770     15.50     0     1     5       15.0     8     301.0     335     3.54     3.570     14.60     0     1     5 |