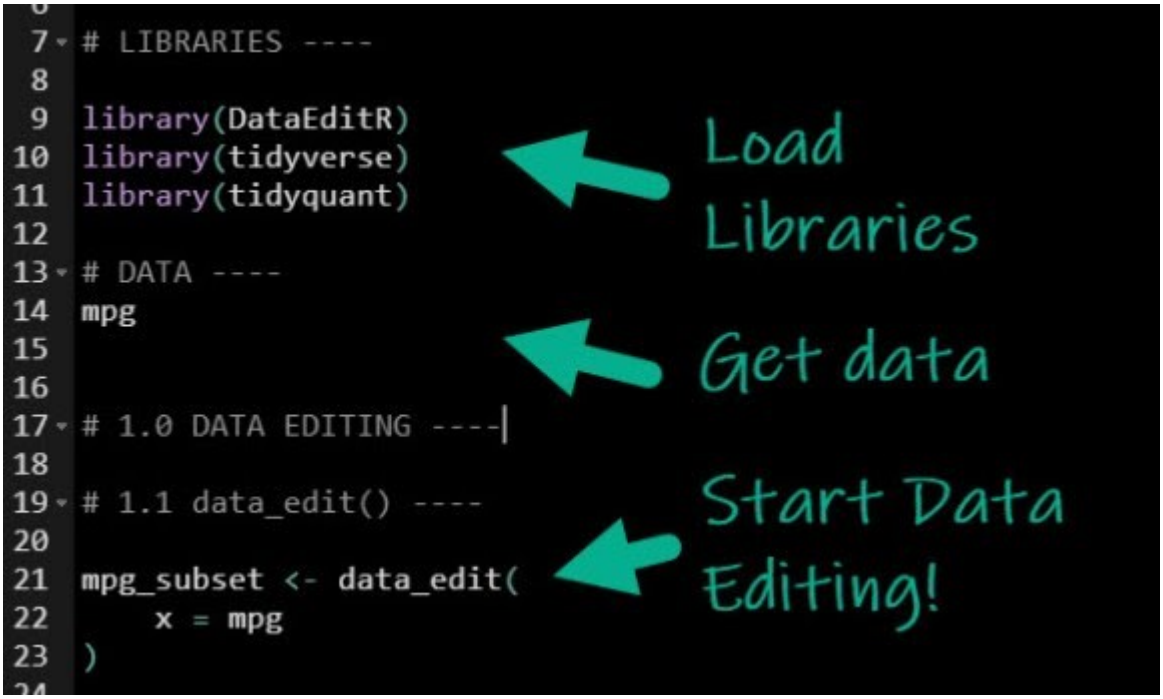
How DataEditR works

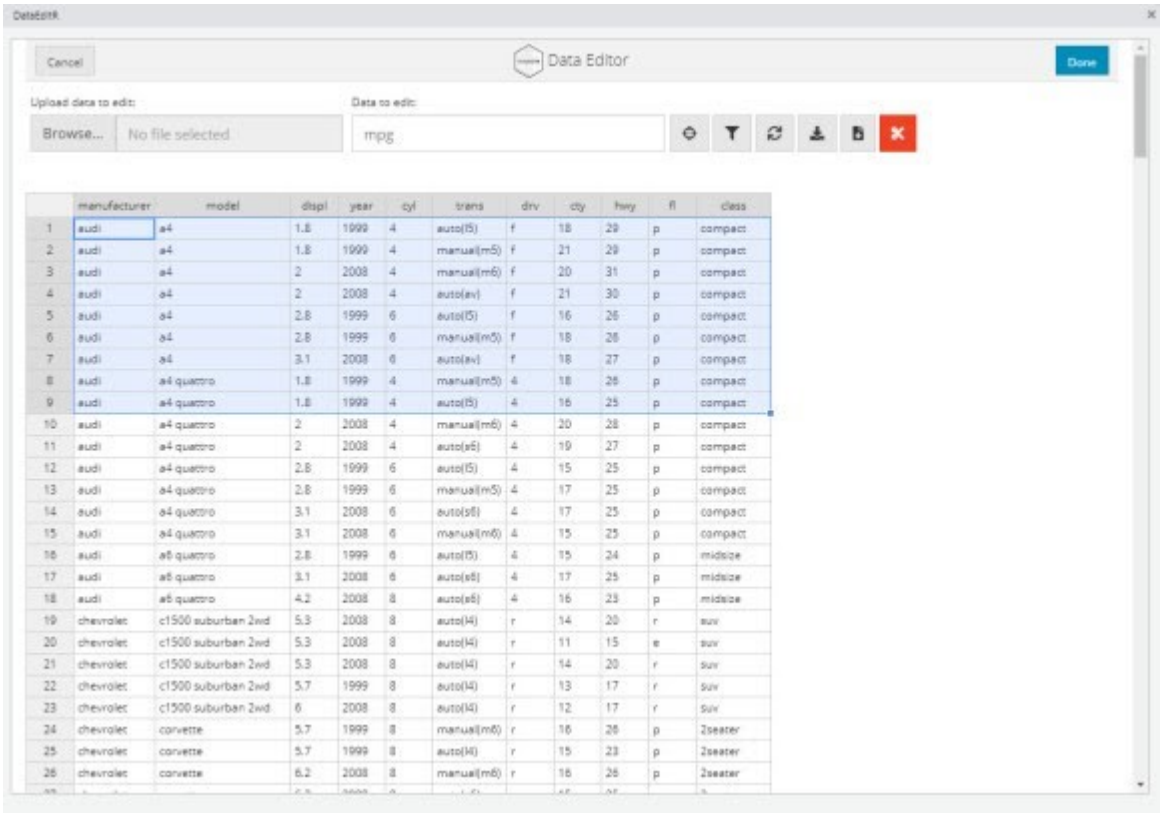
It's super-simple. Just run this code to:

1. **Load Libraries:** Load `DataEditR` , `tidyverse` and `tidyquant`.
2. **Import Data:** We're using the `mpg` dataset that comes with `ggplot2`.
3. **Start Data Editing:** Use the `data_edit()` function.



Get the code.

This launches the **Data Editor.**

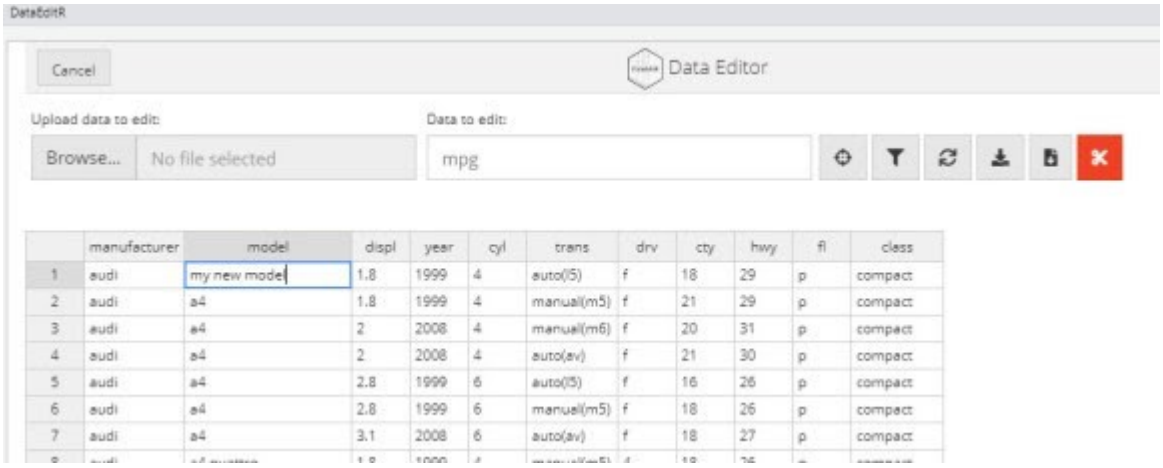


	manufacturer	model	displ	year	cyl	trans	drv	cty	hwy	fl	class
1	audi	a4	1.8	1999	4	auto(l5)	f	18	29	p	compact
2	audi	a4	1.8	1999	4	manual(m5)	f	21	29	p	compact
3	audi	a4	2	2008	4	manual(m6)	f	20	31	p	compact
4	audi	a4	2	2008	4	auto(av)	f	21	30	p	compact
5	audi	a4	2.8	1999	6	auto(l5)	f	16	26	p	compact
6	audi	a4	2.8	1999	6	manual(m5)	f	18	26	p	compact
7	audi	a4	3.1	2008	6	auto(av)	f	18	27	p	compact
8	audi	a4 quattro	1.8	1999	4	manual(m5)	4	18	26	p	compact
9	audi	a4 quattro	1.8	1999	4	auto(l5)	4	16	25	p	compact
10	audi	a4 quattro	2	2008	4	manual(m6)	4	20	28	p	compact
11	audi	a4 quattro	2	2008	4	auto(s6)	4	19	27	p	compact
12	audi	a4 quattro	2.8	1999	6	auto(l5)	4	15	25	p	compact
13	audi	a4 quattro	2.8	1999	6	manual(m5)	4	17	25	p	compact
14	audi	a4 quattro	3.1	2008	6	auto(s6)	4	17	25	p	compact
15	audi	a4 quattro	3.1	2008	6	manual(m6)	4	15	25	p	compact
16	audi	a6 quattro	2.8	1999	6	auto(l5)	4	15	24	p	midsize
17	audi	a6 quattro	3.1	2008	6	auto(s6)	4	17	25	p	midsize
18	audi	a6 quattro	4.2	2008	8	auto(s6)	4	16	23	p	midsize
19	chevrolet	c1500 suburban 2wd	5.3	2008	8	auto(l4)	r	14	20	r	suv
20	chevrolet	c1500 suburban 2wd	5.3	2008	8	auto(l4)	r	11	15	e	suv
21	chevrolet	c1500 suburban 2wd	5.3	2008	8	auto(l4)	r	14	20	r	suv
22	chevrolet	c1500 suburban 2wd	5.7	1999	8	auto(l4)	r	13	17	r	suv
23	chevrolet	c1500 suburban 2wd	6	2008	8	auto(l4)	r	12	17	r	suv
24	chevrolet	corvette	5.7	1999	8	manual(m6)	r	16	26	p	2seater
25	chevrolet	corvette	5.7	1999	8	auto(l4)	r	15	23	p	2seater
26	chevrolet	corvette	6.2	2008	8	manual(m6)	r	16	26	p	2seater

The Data Editor

Try Editing Cells

Click on a cell and make any edits.

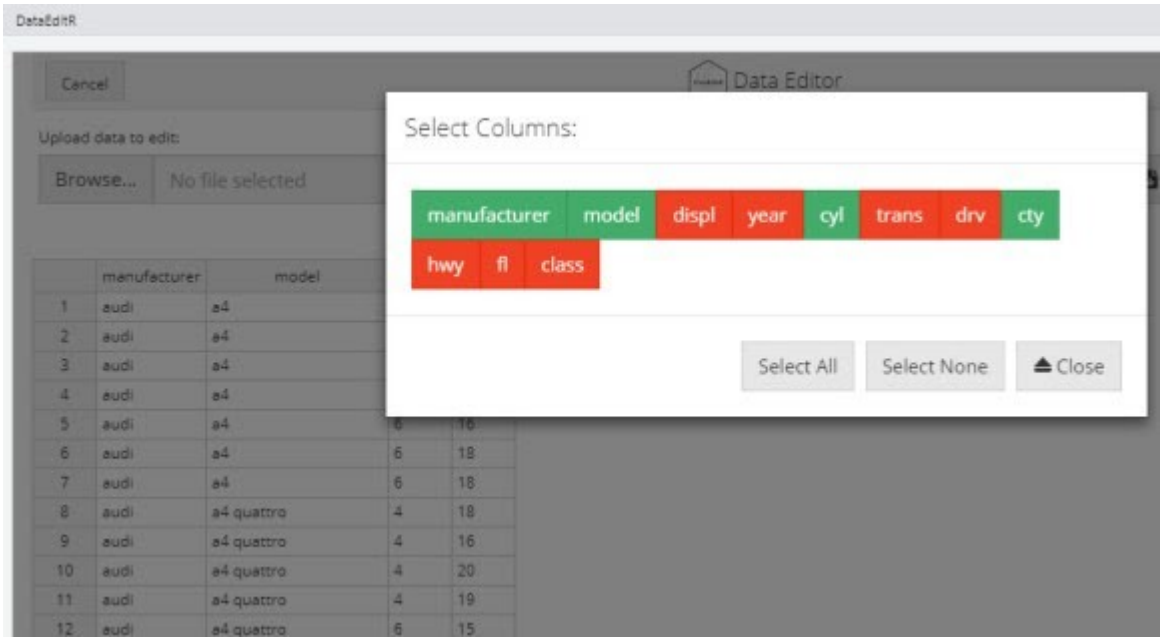


	manufacturer	model	displ	year	cyl	trans	drv	cty	hwy	fl	class
1	audi	my new model	1.8	1999	4	auto(l5)	f	18	29	p	compact
2	audi	a4	1.8	1999	4	manual(m5)	f	21	29	p	compact
3	audi	a4	2	2008	4	manual(m6)	f	20	31	p	compact
4	audi	a4	2	2008	4	auto(av)	f	21	30	p	compact
5	audi	a4	2.8	1999	6	auto(l5)	f	16	26	p	compact
6	audi	a4	2.8	1999	6	manual(m5)	f	18	26	p	compact
7	audi	a4	3.1	2008	6	auto(av)	f	18	27	p	compact

Editing Cells

Try Selecting Columns

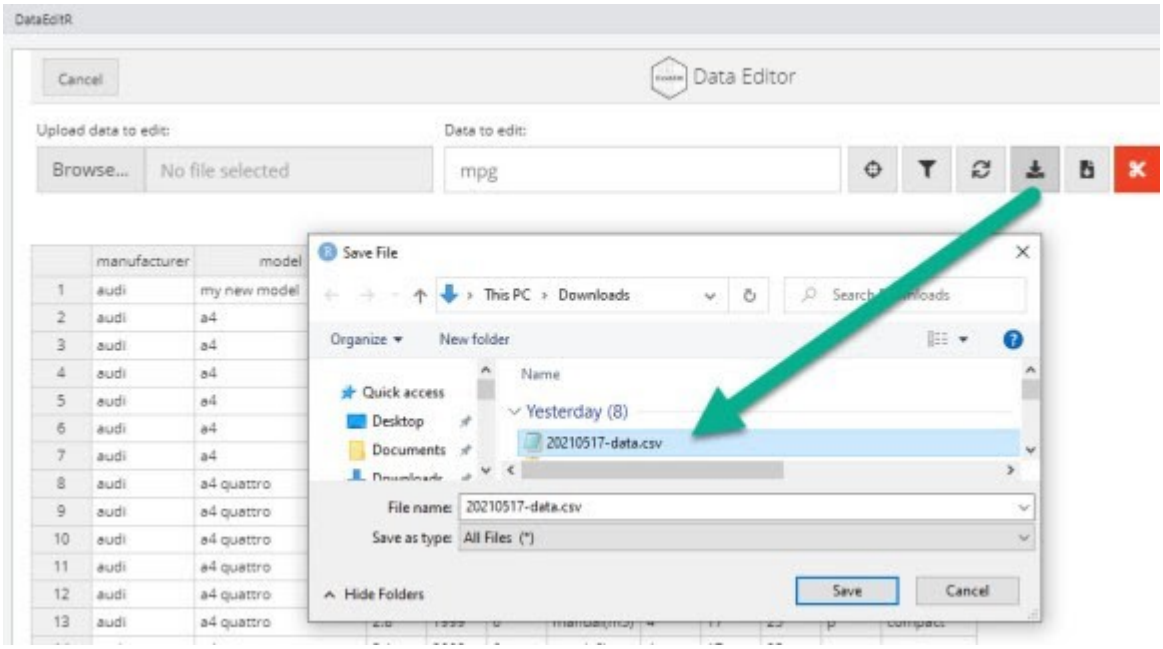
Click the target icon. Then select columns you are interested in.



Selecting Columns

When you're done, save a CSV

After you've made your edits, you can optionally save a CSV File. Alternatively, you can return a data frame in your active R Session.



Save as CSV File

Going Further
with `dplyr` and `ggplot2`

`DataEditR` is great for making simple edits. But, eventually you're going to need to go further by using code to wrangle data and prepare visualizations. For this, I'll circle back to `dplyr` and `ggplot2`, and my Ultimate R Cheat Sheet.

Fuel Economy by Vehicle Model

Say that you wanted to make a visualization that shows the differences in vehicle models and their fuel economy measured as miles per gallon (MPG). We can do this with `dplyr` and `ggplot2`.

```
36
37
38  mpg %>%
39
40      select(manufacturer, model, cty, hwy, class) %>%
41      pivot_longer(cols = c(cty, hwy)) %>%
42      mutate(
43          model = fct_reorder(
44              str_glue("{manufacturer} {model}") %>% str_to_title(),
45              value
46          ),
47          name = str_to_upper(name)
48      ) %>%
49
50      ggplot(aes(x = model, y = value, fill = class)) +
51      geom_boxplot() +
52      facet_grid(cols = vars(name), scales = "free_y") +
53      coord_flip() +
54      scale_fill_tq() +
55      theme_tq() +
56      labs(title = "Fuel Economy by Model", y = "MPG", x = "")
57
```

dplyr
data wrangling

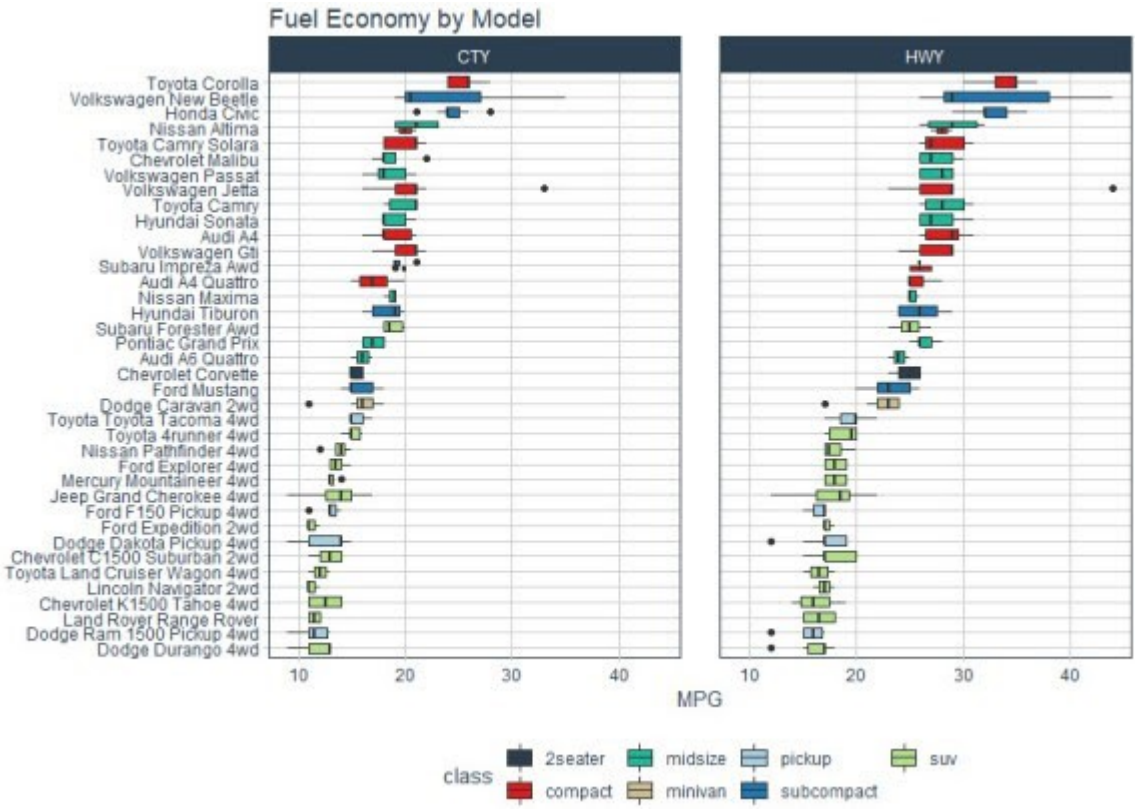
ggplot2
visualization

Get the code.

Visualization and Insights

The code makes a stunning `ggplot2` visualization that highlights the differences in fuel economy by vehicle model and class. We can see:

- **SUV's** clearly have the lowest fuel economy although the Subaru Forester AWD seems to be an outlier.
- **Toyota Corolla** is leading the pack with Highway MPG in the mid-30s.



In Summary

You've seen how `DataEditR` can be used for making simple edits inside of R. You've also seen that learning `dplyr` and `ggplot2` can generate insights through visualizations.

What if you want to go further? Read on.