



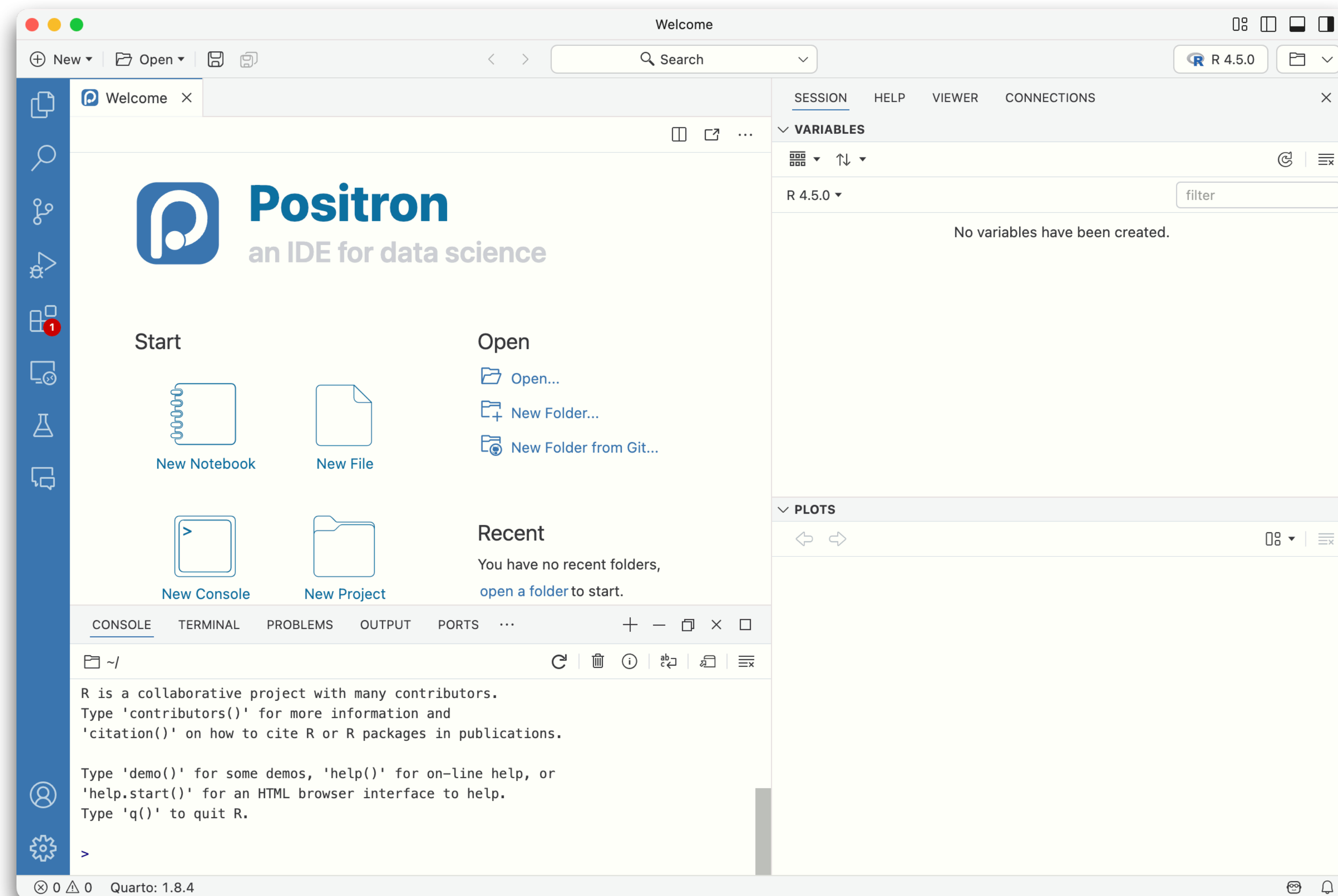
Exploring Positron

Part of "Introduction to Positron" workshop

Posit Software, PBC



You should be here

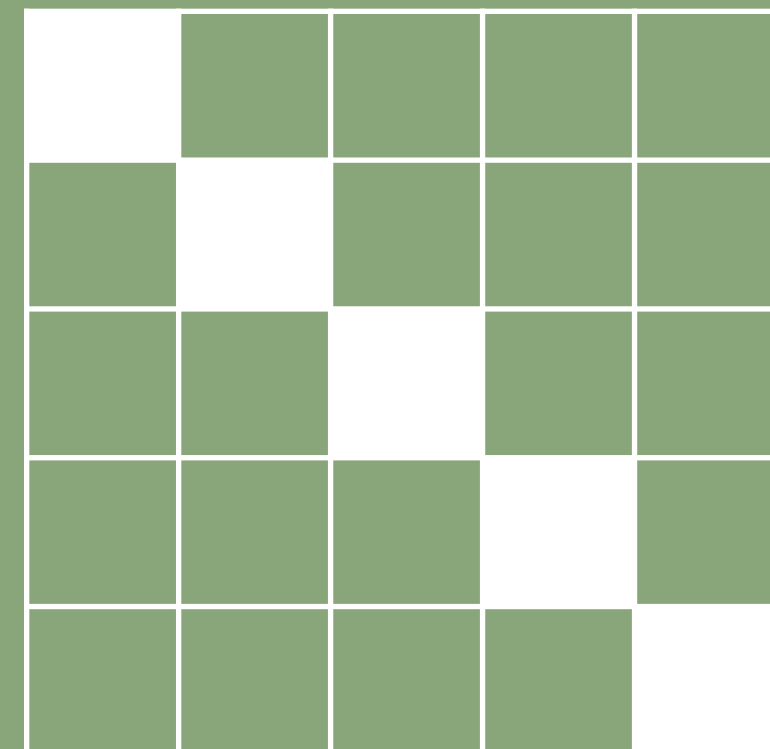
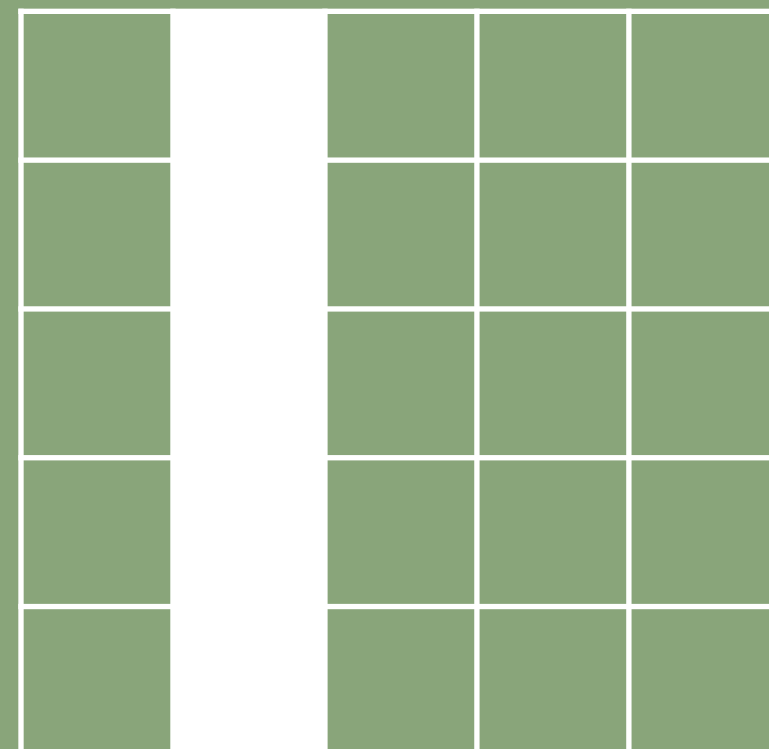
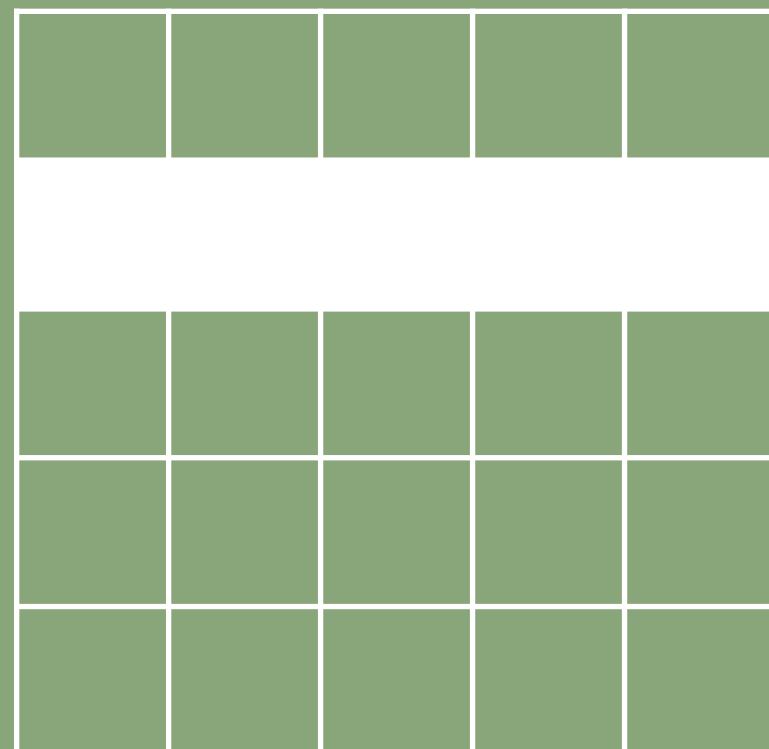


Your turn

Positron Bingo!

10_m 00_s

- Your "bingo" card has things for you to **find**
 - **Data Explorer** cells: first run `View(mtcars)` in the Console
- Complete 5 in a line and call out "BINGO!"

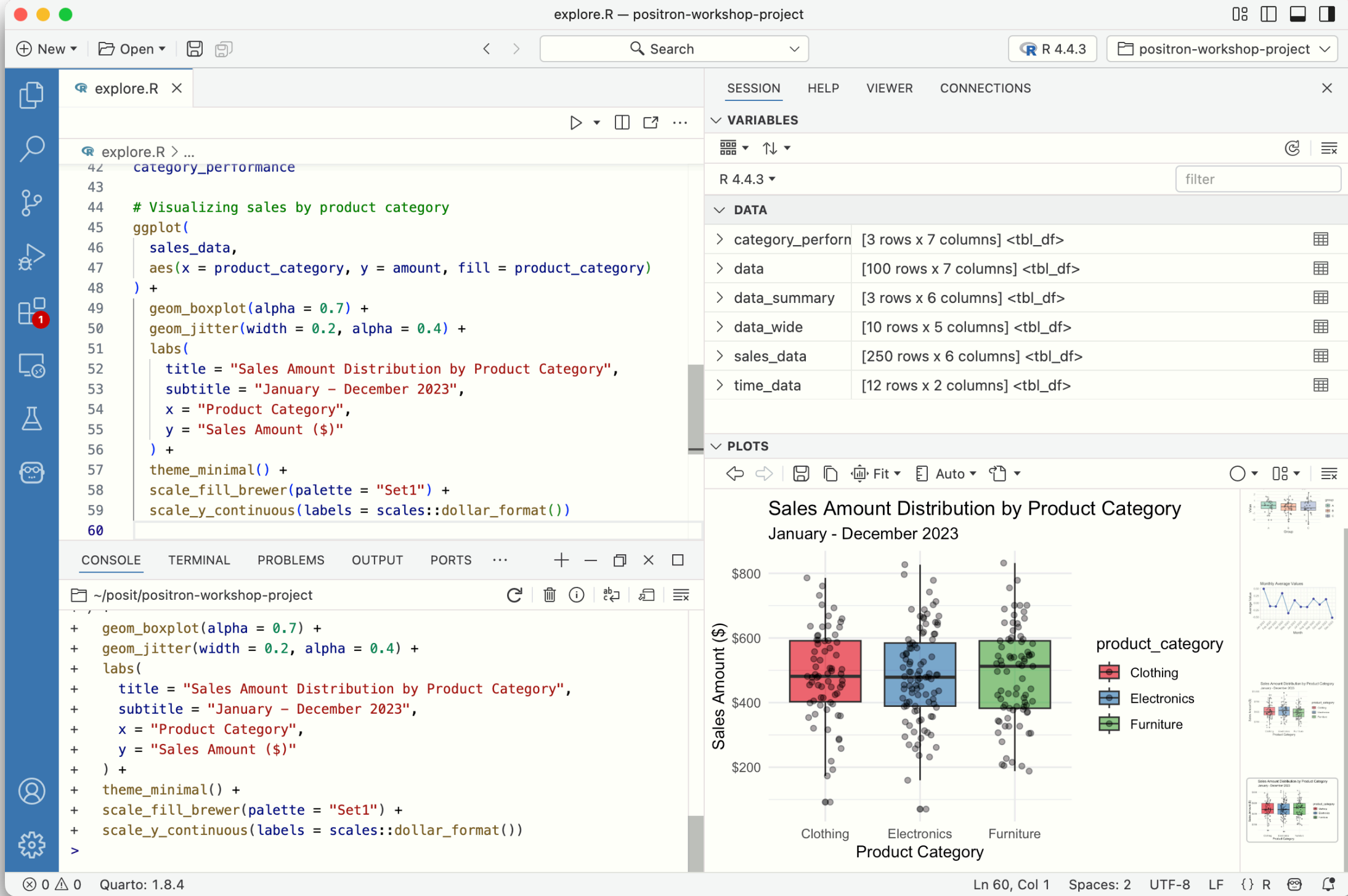
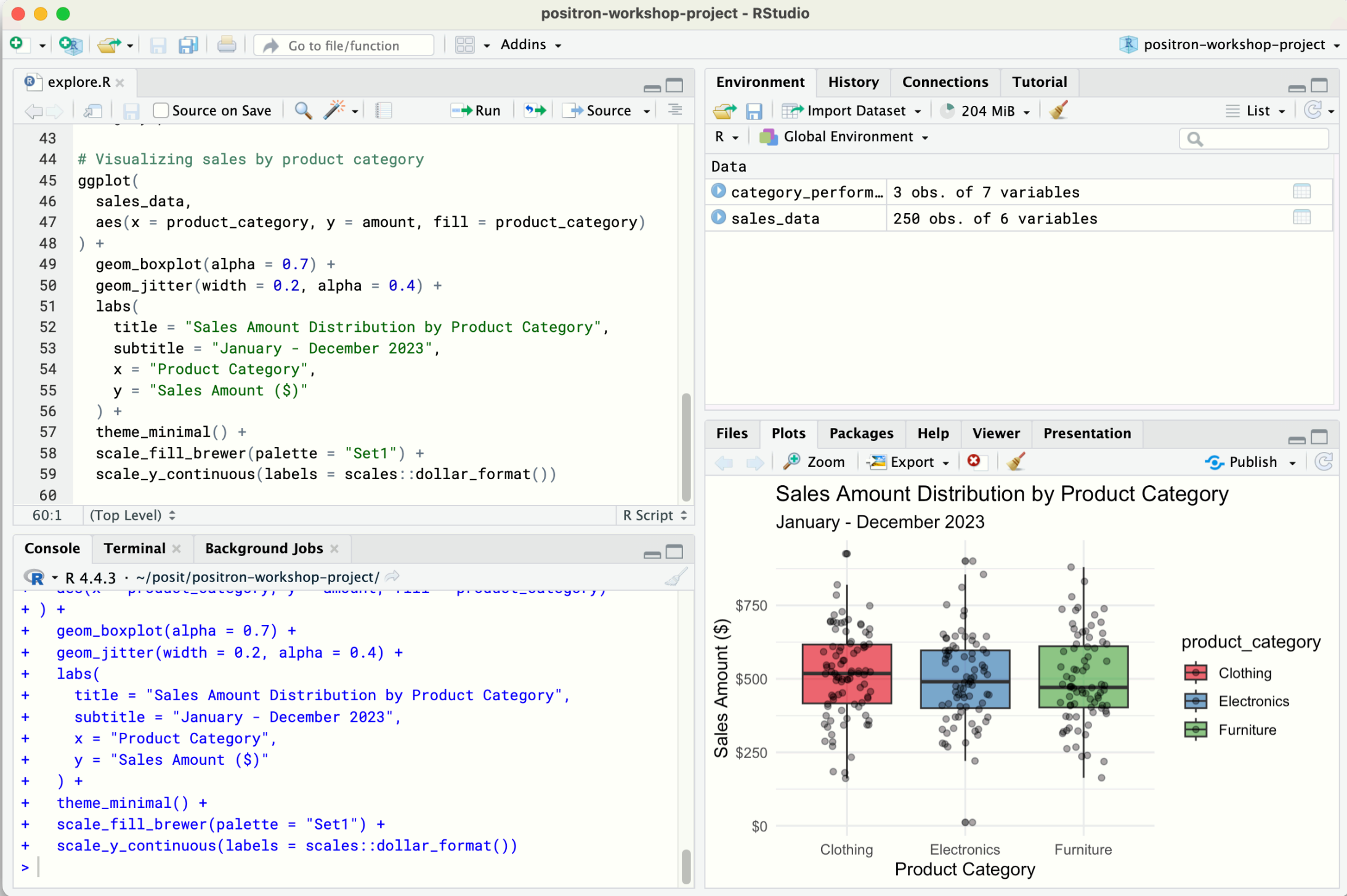


Your turn

Example Card

A way to see and edit two files side by side	The shortcut to send R code to the Console	Another way to open the Command Palette	A way to open a specific file by its name	Data Explorer: the number of cars where cyl is 4
A terminal, i.e. "a shell"	The shortcut to insert "<-"	The button that opens your console history	The button that saves a plot	A way to open a new Positron window
How to change the IDE theme	The "Find and Replace" dialog box	FREE	An RStudio pane that isn't in Positron	How to change the IDE zoom level
Where Git information and actions live	The setting that enables RStudio shortcuts	The button to restart the R Console	A way to open a new R script file	A prompt to "Open a folder"
The version of R running in the Console	The current working directory of the Console	A way to start another Console	The version of Positron you're running	The shortcut for "Help: Show help at cursor"

What's the same?





```
43  
44 # Visualizing sales by product category  
45 ggplot(  
46   sales_data,  
47   aes(x = product_category, y = amount, fill = product_category)  
48 ) +  
49   geom_boxplot(alpha = 0.7) +  
50   geom_jitter(width = 0.2, alpha = 0.4) +  
51   labs(  
52     title = "Sales Amount Distribution by Product Category",  
53     subtitle = "January - December 2023",  
54     x = "Product Category",  
55     y = "Sales Amount ($)"  
56 ) +  
57   theme_minimal() +  
58   scale_fill_brewer(palette = "Set1") +  
59   scale_y_continuous(labels = scales::dollar_format())  
60
```

Environment

History

Connections

Tutorial

R

Global Environment

204 MiB

List

category_perform... 3 obs. of 7 variables

sales_data 250 obs. of 6 variables

Files

Plots

Packages

Help

Viewer

Presentation

Zoom

Export

Publish

Sales Amount Distribution by Product Category
January - December 2023

Sales Amount (\$)

Product Category

product_category

Clothing

Electronics

Furniture

Run

Understand



```
42 category_performance  
43  
44 # Visualizing sales by product category  
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46   sales_data,  
47   aes(x = product_category, y = amount, fill = product_category)  
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58   scale_fill_brewer(palette = "Set1") +  
59   scale_y_continuous(labels = scales::dollar_format())  
60
```

SESSION

HELP

VIEWER

CONNECTIONS

VARIABLES

4.4.3

filter

category_perform [3 rows x 7 columns] <tbl_df>

data [100 rows x 7 columns] <tbl_df>

data_summary [3 rows x 6 columns] <tbl_df>

data_wide [10 rows x 5 columns] <tbl_df>

sales_data [250 rows x 6 columns] <tbl_df>

time_data [12 rows x 2 columns] <tbl_df>

PLOTS

Sales Amount Distribution by Product Category
January - December 2023

Sales Amount (\$)

Product Category

product_category

Clothing

Electronics

Furniture

Run

Understand

Primary side bar

Editor

Activity bar

Secondary side bar

hello.qmd — positron-workshop

New Open

Search

R 4.4.2 positron-workshop

EXPLORER

OPEN EDITORS

- raukr.qmd
- setup.qmd
- 01-hello-positr...
- hello.qmd

POSITRON-WORKSHOP

modules

- 02-explore.qmd
- 03-projects.qmd
- 04-quarto.qmd
- 05-r.qmd
- 06-customizatio...
- 07-beyond.qmd
- slug.lua

slides

- _brand.yml
- _license.md
- _quarto.yml
- .gitignore
- caskdr.qmd
- hello.qmd
- index.qmd
- LICENSE.md
- positron-workshop...
- raukr.qmd
- README.md
- setup.qmd
- uscots.qmd

OUTLINE

TIMELINE

raukr.qmd setup.qmd 01-hello-positron.qmd hello.qmd

Preview Render on Save Source Visual

hello.qmd

Normal B I </> Format Insert Table

14) +
15 theme_minimal()

Let's create some objects.

```
{r}
1 adelic_penguins <- penguins |>
2   filter(species == "Adelie")
3
4 penguin_stats <- penguins |>
5   group_by(species) |>
```

CONSOLE

~/rrr/positron-workshop

```
> adelic_penguins <- penguins |>
+   filter(species == "Adelie")
+
+ penguin_stats <- penguins |>
+   group_by(species) |>
+   summarize(
+     avg_bill_length = mean(bill_length_mm, na.rm = TRUE),
+     avg_flipper_length = mean(flipper_length_mm, na.rm = TRUE),
+     count = n()
+   )
+
+ heavy_penguins <- penguins |>
+   filter(body_mass_g > 5000) |>
+   select(species, island, sex, body_mass_g, flipper_length_mm)
+
+ 
```

SESSION CONNECTIONS HELP VIEWER

VARIABLES

R 4.4.2 filter

DATA

> adelic_penguins	[152 rows x 8 columns] <tbl_df>
> heavy_penguins	[61 rows x 5 columns] <tbl_df>
> penguin_stats	[3 rows x 4 columns] <tbl_df>
> species	"Adelie " "Chinstrap" "Gentoo" fct(3) [3]
> avg_bill_length	38.79139072847682 48.8338... dbl [3]
> avg_flipper_length	189.95364238410596 195.82... dbl [3]
> count	152 68 124 int [3]

PLOTS

Flipper and bill length

Dimensions for penguins at Palmer Station LTER

Bill length (mm)

Flipper length (mm)

Penguin species

- Adelie
- Chinstrap
- Gentoo

main 0↓ 1↑ 0 0 0 Quarto: 1.7.31

Panel

Use your RStudio muscle memory

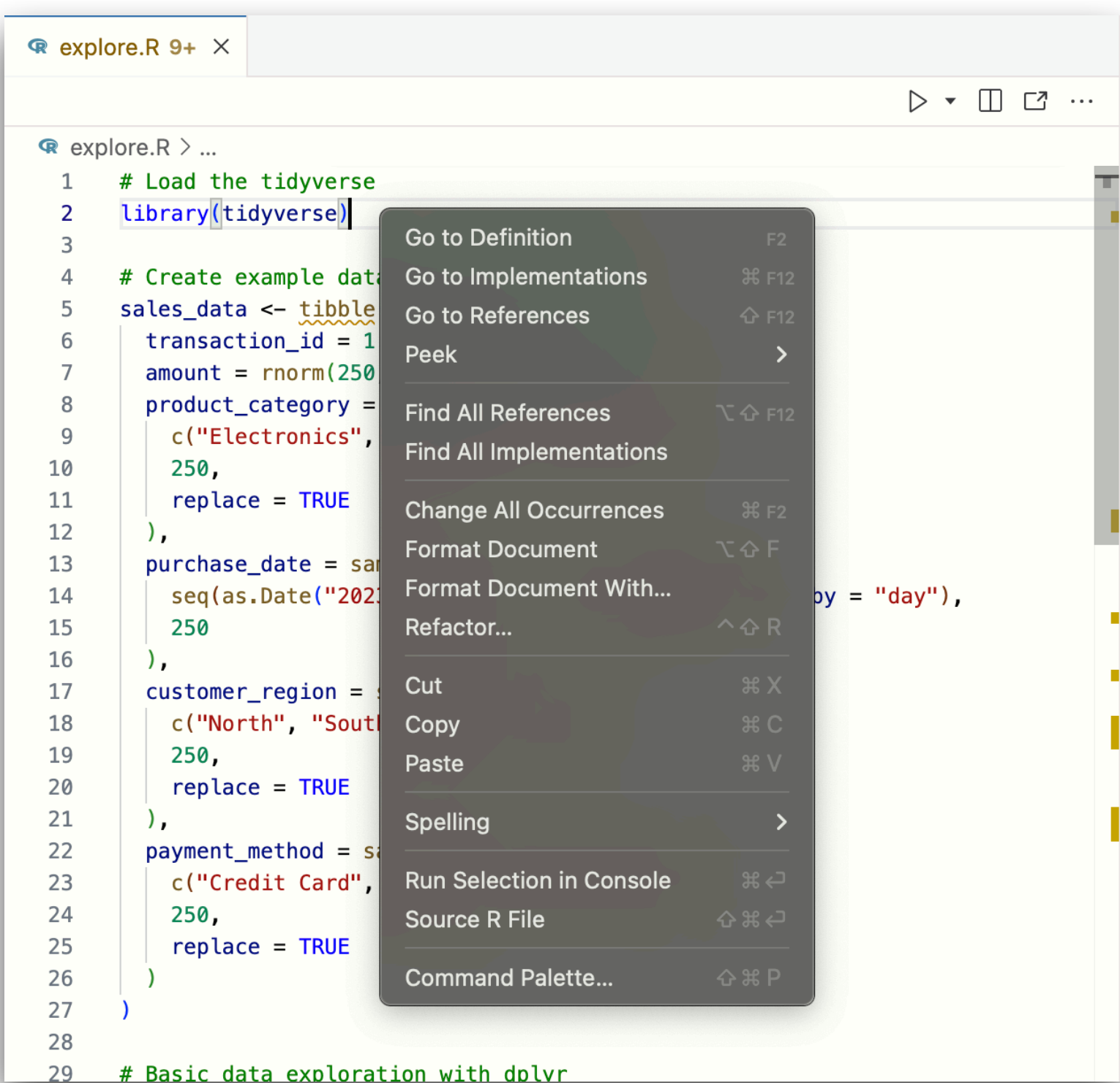
- New R File*: Cmd/Ctrl + Shift + N
- Send Code to Console: Cmd/Ctrl + Enter
- Get Help at Cursor: F1
- Find: Cmd/Ctrl + F
- Find in Files: Cmd/Ctrl + Shift + F
- Restart R: Cmd/Ctrl + Shift + 0
- Navigate Console History: Cmd/Ctrl + ↑
- Completion: Tab

*Enable Setting: [RStudio Keybindings](#)

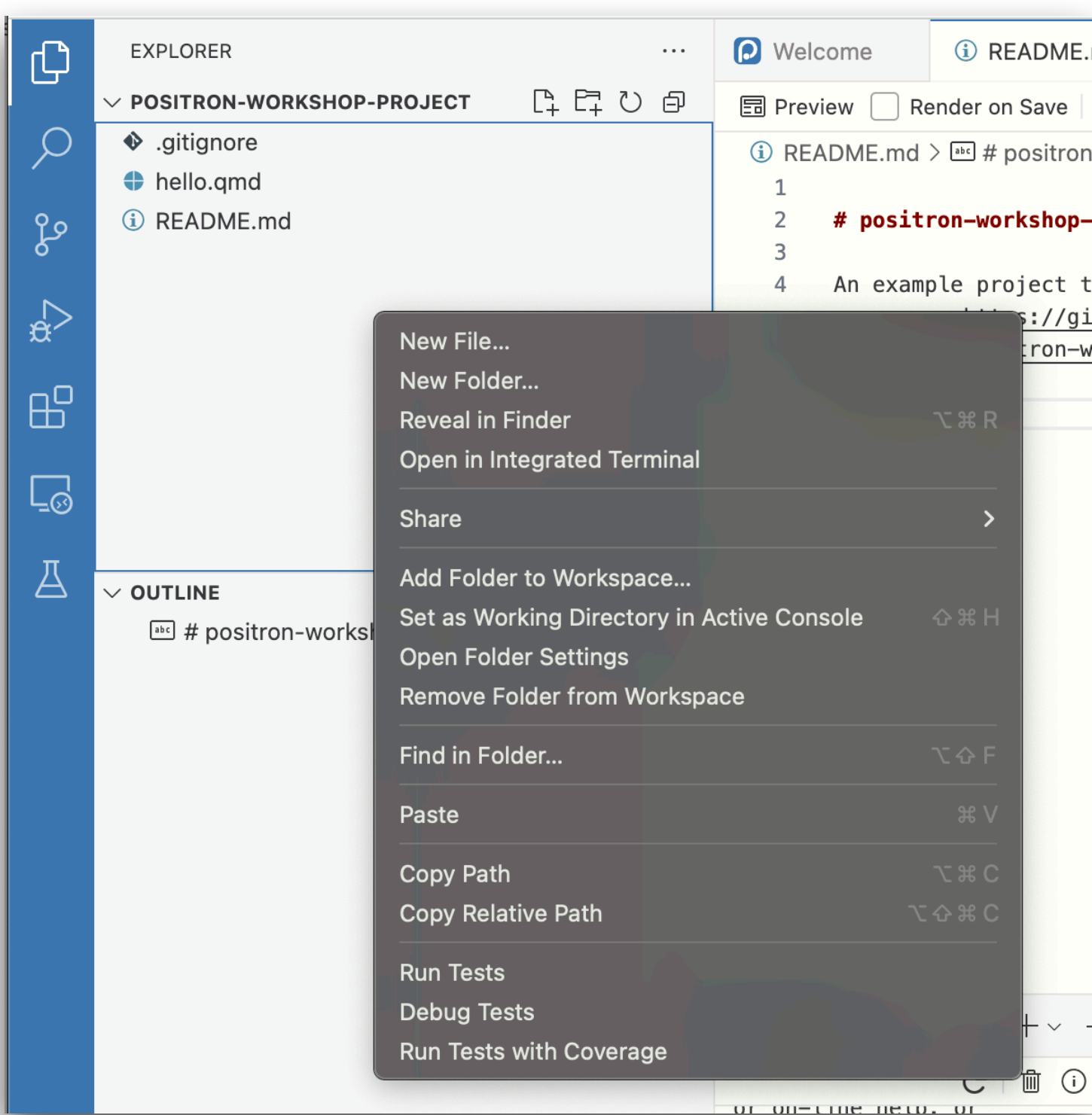
What's different?

Less menus, more right-click

Editor



(File) Explorer



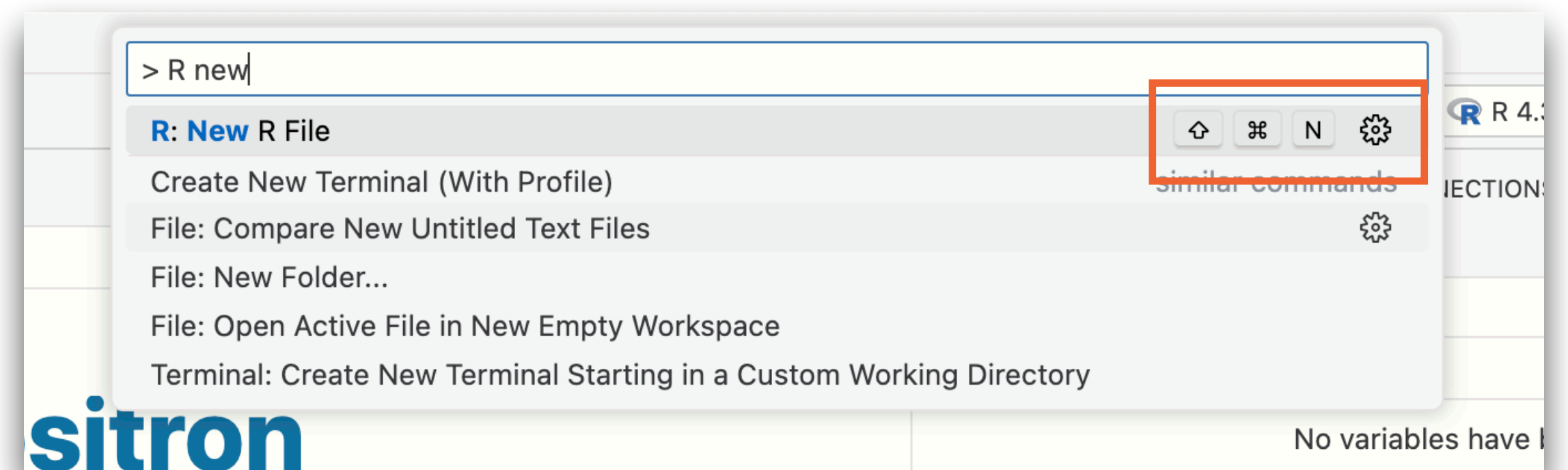
Less clicks, more command palette

Almost everything in a menu or button has a command

Menu: **File > New File > R File**

Command: **R: New R File**

Any command can be given a shortcut



Rest of our time

- Organization
- Quarto
- R
- Customization
- Beyond