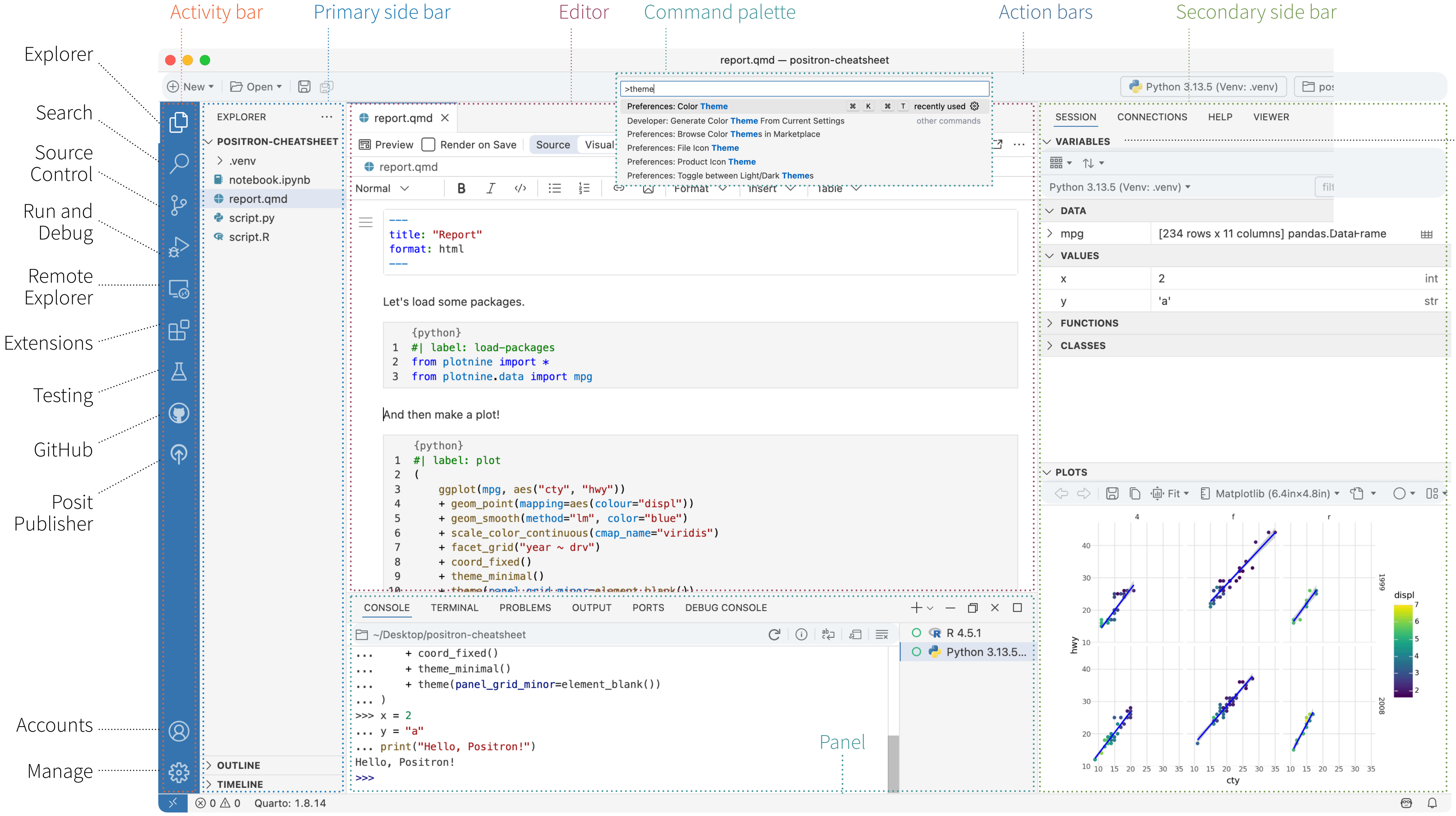
Positron : : CHEATSHEET



Command palette:

```
>theme
Preferences: Color Theme                                   ⌘ K ⌘ T  recently used
Developer: Generate Color Theme From Current Settings             other commands
Preferences: Browse Color Themes in Marketplace
Preferences: File Icon Theme
Preferences: Product Icon Theme
Preferences: Toggle between Light/Dark Themes
```

Editor (report.qmd):

```
---
title: "Report"
format: html
---
```

Let's load some packages.

```
{python}
#| label: load-packages
from plotnine import *
from plotnine.data import mpg
```

And then make a plot!

```
{python}
#| label: plot
(
    ggplot(mpg, aes("cty", "hwy"))
    + geom_point(mapping=aes(colour="displ"))
    + geom_smooth(method="lm", color="blue")
    + scale_color_continuous(cmap_name="viridis")
    + facet_grid("year ~ drv")
    + coord_fixed()
    + theme_minimal()
    + theme(panel_grid_minor=element_blank())
```

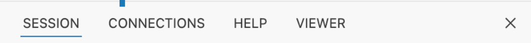
Console (~/Desktop/positron-cheatsheet):

```
...     + coord_fixed()
...     + theme_minimal()
...     + theme(panel_grid_minor=element_blank())
... )
>>> x = 2
... y = "a"
... print("Hello, Positron!")
Hello, Positron!
>>>
```

Variables (Python 3.13.5 (Venv: .venv)):

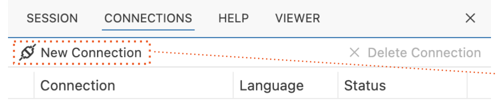
DATA		
mpg	[234 rows x 11 columns] pandas.DataFrame	
VALUES		
x	2	int
y	'a'	str
FUNCTIONS		
CLASSES		

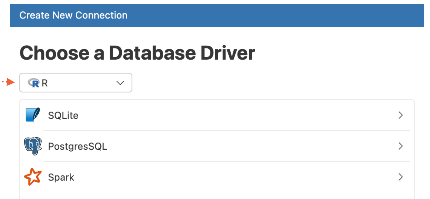
Tab panes



SESSION pane contains the Variables pane, which provides an interface to view and inspect datasets, values, functions, and classes that are avaiable in the current session.

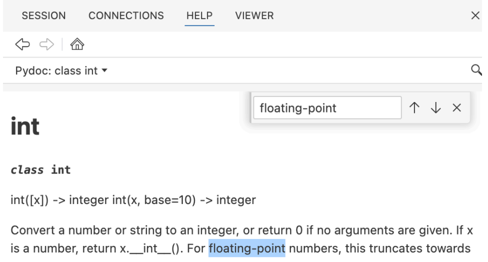
CONNECTIONS pane allows exploring database connections created and includes basic support for storing and managing connection strings for future usage.




Create New Connection

Choose a Database Driver

HELP Pane provides rich, in-editor documentation for Python and R objects, functions, and packages.

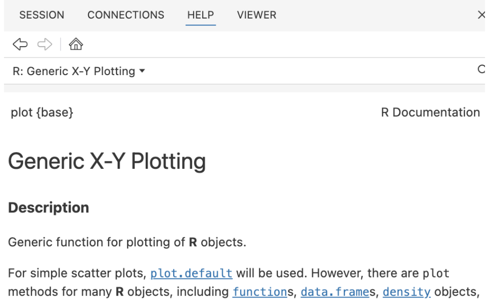


int

class int

int([x]) -> integer int(x, base=10) -> integer

Convert a number or string to an integer, or return 0 if no arguments are given. If x is a number, return x.__int__(). For floating-point numbers, this truncates towards



plot {base} R Documentation

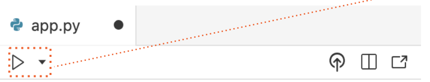
Generic X-Y Plotting

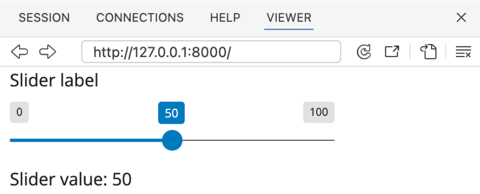
Description

Generic function for plotting of **R** objects.

For simple scatter plots, plot.default will be used. However, there are plot methods for many **R** objects, including functions, data.frames, density objects,

VIEWER pane can display outputs of Quarto and R Markdown files and interactive Shiny, Dash, Streamlit, etc. apps.





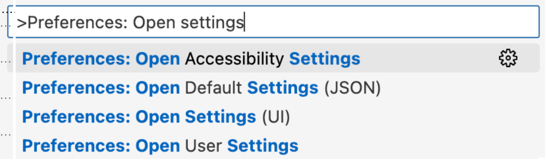
Slider label

Slider value: 50

Command palette

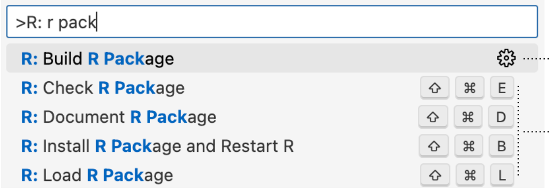
Fast and powerful way to interact with Positron without taking your hands off the keyboard, press **Cmd/Ctrl⇧P** to open.

⌘P	Open file picker
>	Switch to command mode
@	Search for symbols in current file
#	Search for symbols across workspace
: followed by line number	Jump to that line



```
>Preferences: Open settings
Preferences: Open Accessibility Settings
Preferences: Open Default Settings (JSON)
Preferences: Open Settings (UI)
Preferences: Open User Settings
```

Certain commands are enabled in related contexts, e.g., package development commands when in a package folder.



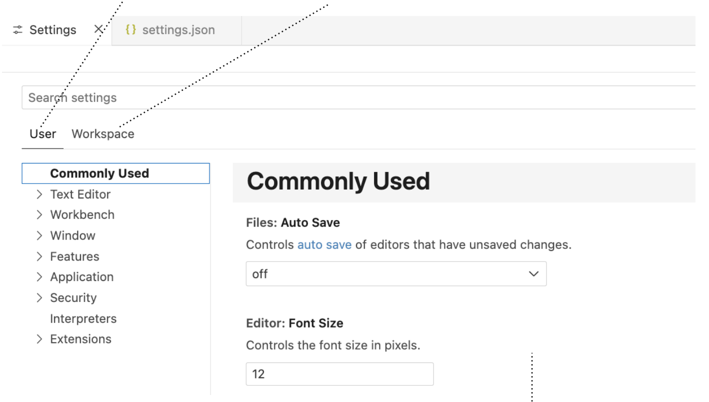
```
>R: r pack
R: Build R Package
R: Check R Package                 ⇧ ⌘ E
R: Document R Package              ⇧ ⌘ D
R: Install R Package and Restart R ⇧ ⌘ B
R: Load R Package                  ⇧ ⌘ L
```

Configure keyboard shortcuts

Keyboard shortcuts

Settings

Nearly every part of Positron's editor, UI, and functional behavior has customizable options that can be set at user (globally, for all Positron instances) or at workspace (folder) level.

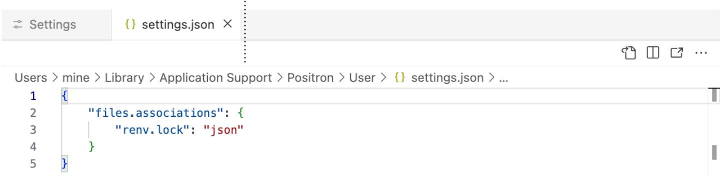


Commonly Used

Files: Auto Save
Controls auto save of editors that have unsaved changes.
off

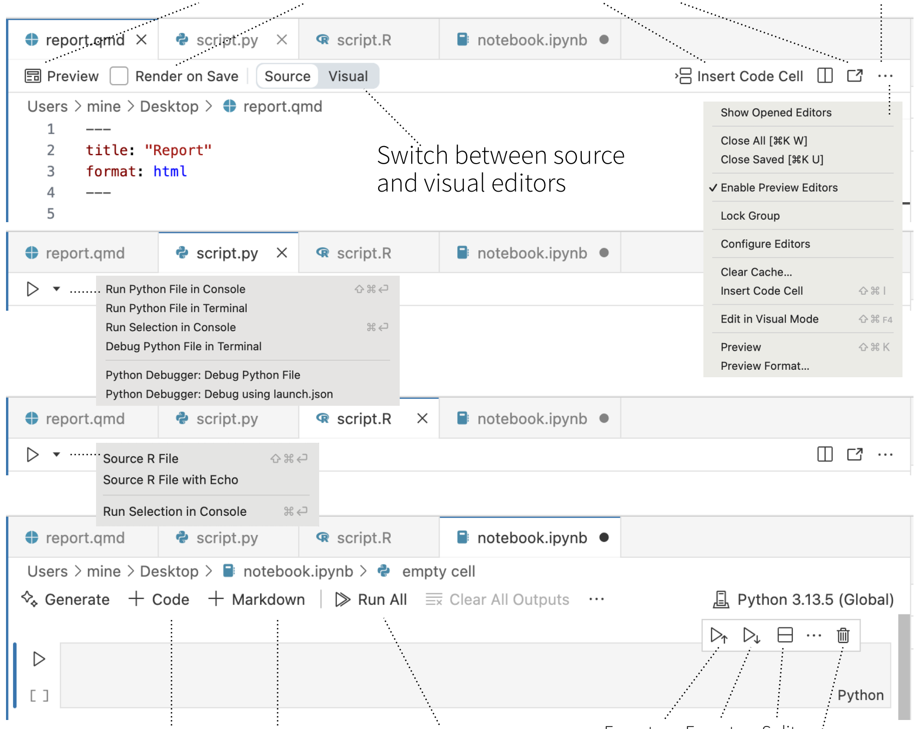
Editor: Font Size
Controls the font size in pixels.
12

Settings can be changed by using the Settings editor or editing the settings JSON file.


Settings
settings.json
Users > mine > Library > Application Support > Positron > User > settings.json > ...

```
{
    "files.associations": {
        "renv.lock": "json"
    }
}
```

Editor



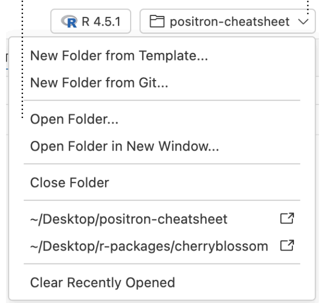
```
---
title: "Report"
format: html
---
```

Workspaces and folders

A Positron workspace is a project folder that has been opened in its own window.

Open a folder as a workspace or create a new one from template or from Git using either interface.

Folder selector shows the current workspace


R 4.5.1
positron-cheatsheet
New Folder from Template...
New Folder from Git...
Open Folder...
Open Folder in New Window...
Close Folder
~/Desktop/positron-cheatsheet
~/Desktop/r-packages/cherryblossom
Clear Recently Opened

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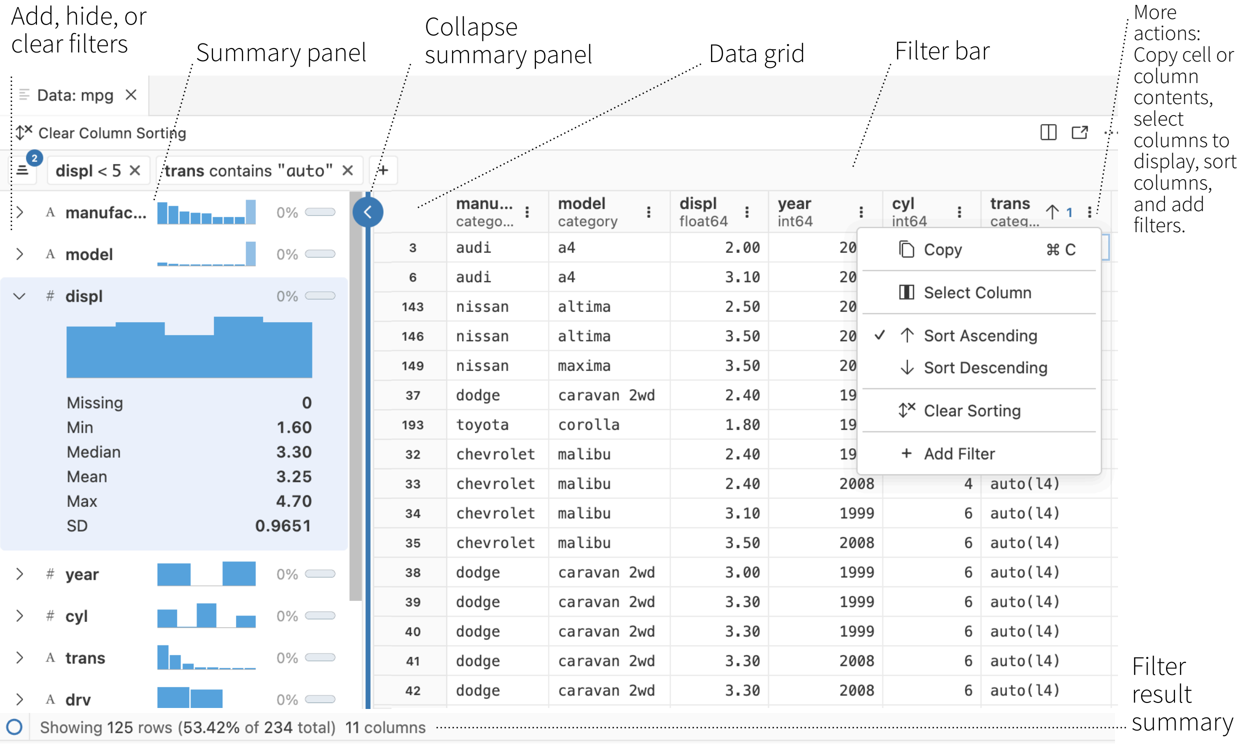
Data explorer

View or explore raw data files (CSV, Parquet, etc.) and dataframes in your Python or R sessions. Open by clicking on the table icon in Variables pane or with `%view` (Python) and `View()` (R).



	manufac...		model		displ		year		cyl		trans		drv	
	A	0%	A	0%	#	0%	#	0%	#	0%	A	0%	A	0%

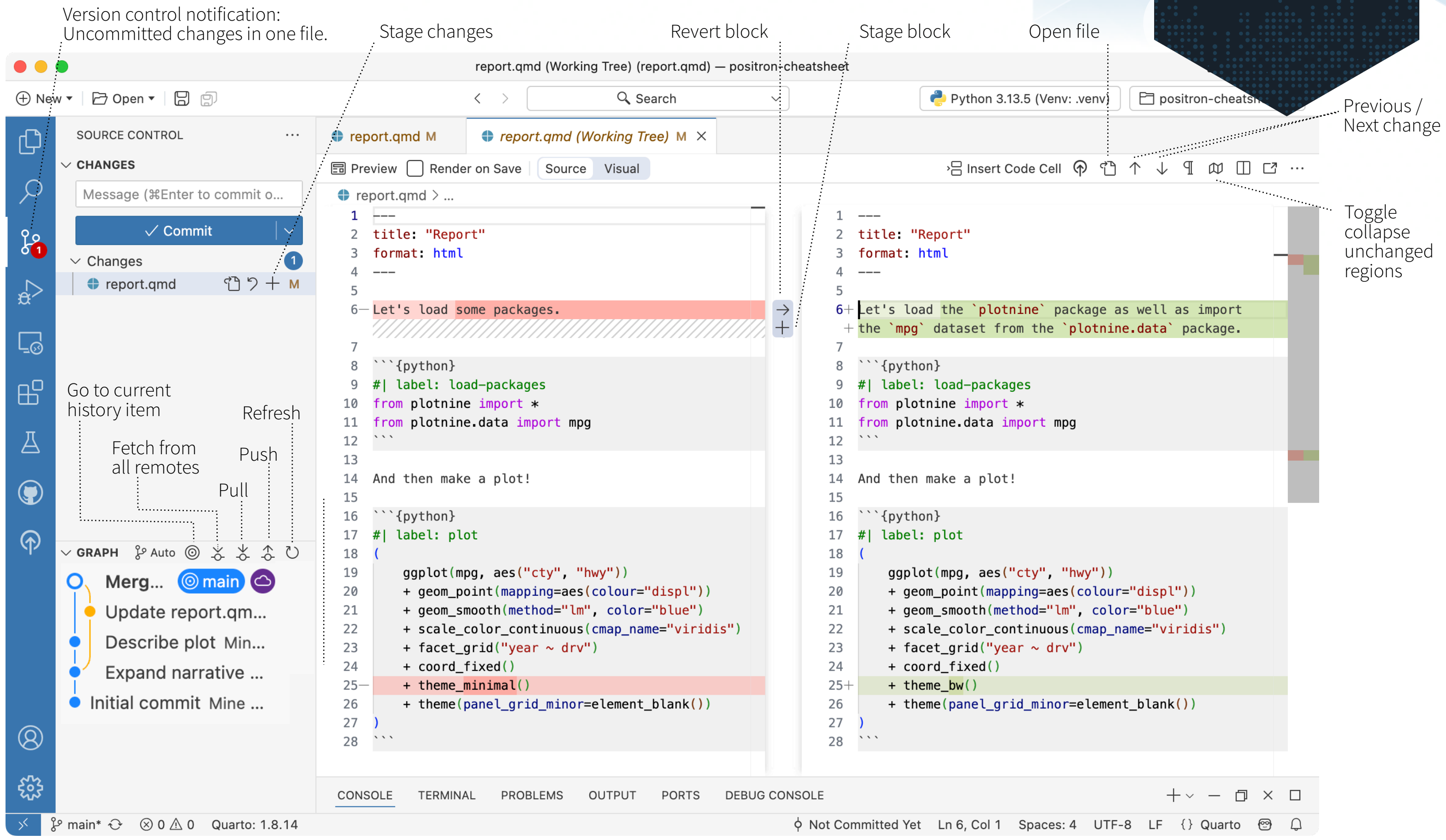
displ	
Missing	0
Min	1.60
Median	3.30
Mean	3.25
Max	4.70
SD	0.9651

	manu... categ...	model category	displ float64	year int64	cyl int64	trans categ...
3	audi	a4	2.00	20		
6	audi	a4	3.10	20		
143	nissan	altima	2.50	20		
146	nissan	altima	3.50	20		
149	nissan	maxima	3.50	20		
37	dodge	caravan 2wd	2.40	19		
193	toyota	corolla	1.80	19		
32	chevrolet	malibu	2.40	19		
33	chevrolet	malibu	2.40	2008	4	auto(l4)
34	chevrolet	malibu	3.10	1999	6	auto(l4)
35	chevrolet	malibu	3.50	2008	6	auto(l4)
38	dodge	caravan 2wd	3.00	1999	6	auto(l4)
39	dodge	caravan 2wd	3.30	1999	6	auto(l4)
40	dodge	caravan 2wd	3.30	1999	6	auto(l4)
41	dodge	caravan 2wd	3.30	2008	6	auto(l4)
42	dodge	caravan 2wd	3.30	2008	6	auto(l4)

Showing 125 rows (53.42% of 234 total) 11 columns

Version control

Built-in Git integration supports the basic Git workflow (make, stage, commit, push changes) as well as working with branches and resolving merge conflicts via its 3-way merge editor.



~~~
---
title: "Report"
format: html
---

Let's load some packages.

```{python}
#| label: load-packages
from plotnine import *
from plotnine.data import mpg
~~~

And then make a plot!

```{python}
#| label: plot
(
    ggplot(mpg, aes("cty", "hwy"))
    + geom_point(mapping=aes(colour="displ"))
    + geom_smooth(method="lm", color="blue")
    + scale_color_continuous(cmap_name="viridis")
    + facet_grid("year ~ drv")
    + coord_fixed()
    + theme_minimal()
    + theme(panel_grid_minor=element_blank())
)
```
```

```
---
title: "Report"
format: html
---

Let's load the `plotnine` package as well as import
the `mpg` dataset from the `plotnine.data` package.

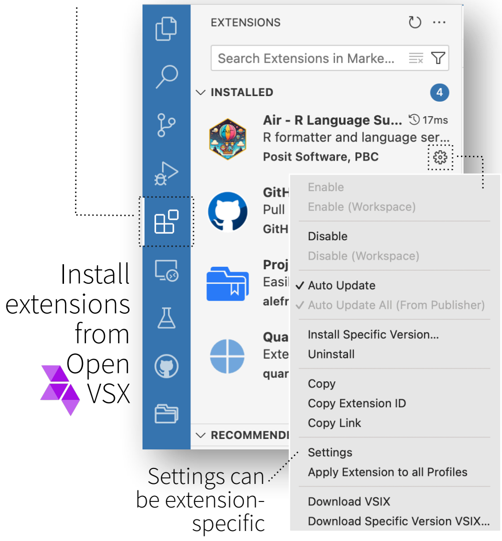
```{python}
#| label: load-packages
from plotnine import *
from plotnine.data import mpg
```

And then make a plot!

```{python}
#| label: plot
(
    ggplot(mpg, aes("cty", "hwy"))
    + geom_point(mapping=aes(colour="displ"))
    + geom_smooth(method="lm", color="blue")
    + scale_color_continuous(cmap_name="viridis")
    + facet_grid("year ~ drv")
    + coord_fixed()
    + theme_bw()
    + theme(panel_grid_minor=element_blank())
)
```
```

Extensions

Extensions let you add languages, debuggers, tools, themes, etc. to Positron to support your development workflow.


Install extensions from Open VSX
Settings can be extension-specific
EXTENSIONS
Search Extensions in Marke...
INSTALLED
4
Air - R Language Su...
17ms
R formatter and language ser...
Posit Software, PBC
GitH
Pull
GitH
Proj
Easil
alefr
Qua
Exte
quar
RECOMMENDI
Enable
Enable (Workspace)
Disable
Disable (Workspace)
✓ Auto Update
✓ Auto Update All (From Publisher)
Install Specific Version...
Uninstall
Copy
Copy Extension ID
Copy Link
Settings
Apply Extension to all Profiles
Download VSIX
Download Specific Version VSIX...

Built-in extensions (e.g., R, Positron Python, and Markdown Language Basics): installed with Positron, can only be updated by updating Positron.

Bootstrapped extensions (e.g., Quarto, Air, GitHub Pull Requests): installed by Positron, act like you installed them yourself, can be updated independently of updating Positron.

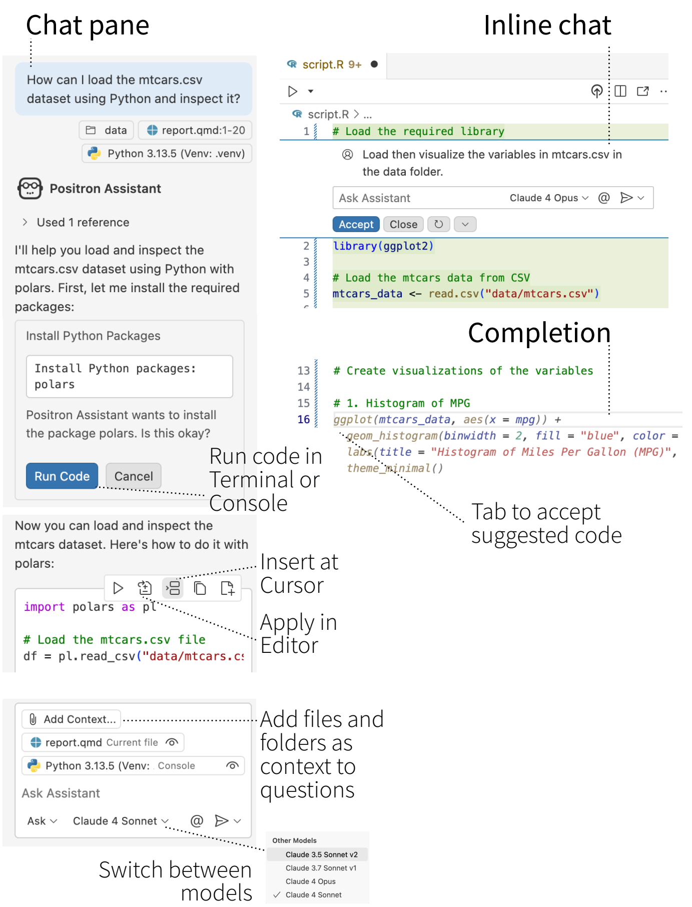
Positron Assistant

AI client that provides LLM integration within Positron, both for chat and for inline completions.

Positron › Assistant: Enable *Preview*

☑ Enable Positron Assistant, an AI assistant for Positron.

Preview feature in Positron 2025.07.0-204 and beyond


Chat pane
Inline chat
Completion
Run code in Terminal or Console
Insert at Cursor
Apply in Editor
Tab to accept suggested code
Add files and folders as context to questions
Switch between models
data
report.qmd:1-20
Python 3.13.5 (Venv: .venv)
Positron Assistant
Used 1 reference
Install Python Packages
Run Code
Cancel
Add Context...
report.qmd Current file
Python 3.13.5 (Venv: Console
Ask Assistant
Ask
Claude 4 Sonnet
Other Models
Claude 3.5 Sonnet v2
Claude 3.7 Sonnet v1
Claude 4 Opus
✓ Claude 4 Sonnet
script.R 9+
script.R
Ask Assistant
Claude 4 Opus
Accept
Close

How can I load the mtcars.csv dataset using Python and inspect it?

I'll help you load and inspect the mtcars.csv dataset using Python with polars. First, let me install the required packages:

```
Install Python packages:
polars
```

Positron Assistant wants to install the package polars. Is this okay?

Now you can load and inspect the mtcars dataset. Here's how to do it with polars:

```
import polars as pl

# Load the mtcars.csv file
df = pl.read_csv("data/mtcars.c
```

```
# Load the required library
```

Load then visualize the variables in mtcars.csv in the data folder.

```
library(ggplot2)

# Load the mtcars data from CSV
mtcars_data <- read.csv("data/mtcars.csv")
```

```
# Create visualizations of the variables

# 1. Histogram of MPG
ggplot(mtcars_data, aes(x = mpg)) +
  geom_histogram(binwidth = 2, fill = "blue", color =
  labs(title = "Histogram of Miles Per Gallon (MPG)",
  theme_minimal()
```

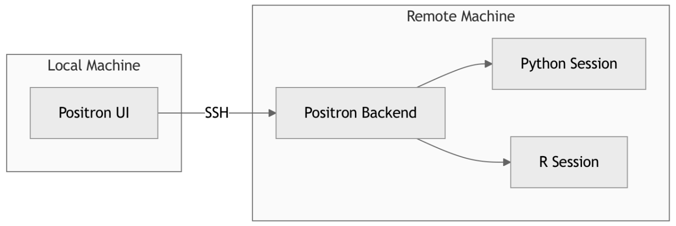
Workbench

Extend Positron with commercial license in Posit Workbench, with key benefits including:

- Centralized management: Centrally manage, configure, and update Positron for all users.
- Enhanced security: User authentication and secure authorization to enterprise data sources.
- Resource management: Run sessions on powerful servers with more CPU, RAM, GPUs, etc. than a laptop.
- Background jobs: Long-running computations executed in the background with detailed audit logs.
- Commercial support: Access professional support from Posit for troubleshooting and guidance.

Run remote jobs

Run Positron IDE's front end on one machine with back end (files, projects, Python and R sessions, etc.) on another machine via ordinary secure shell (SSH) connection.



Keyboard shortcuts

Global shortcuts

	Windows/Linux	Mac
Run the selected code in the editor; if no code is selected, run the current statement	Ctrl+Enter	Cmd+Enter
Restart the interpreter currently open in the Console	Ctrl+Shift+0	Cmd+Shift+0
Run the file open in the editor (using e.g. `source()` or `%run`)	Ctrl+Shift+Enter	Cmd+Shift+Enter
Show contextual help for the topic under the cursor	Ctrl+K or F1	Cmd+R or F1
Focus the Console	Ctrl+K, F	Cmd+K, F
Focus the Variables pane	Ctrl+K, V	Cmd+K, V
Clear the Console	Ctrl+L	Ctrl+L

R shortcuts

Insert the pipe operator (`|>` or `%>%`)	Ctrl+Shift+M	Cmd+Shift+M
Insert the assignment operator (`<-`)	Alt+-	Alt+-

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```