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Minimal example for `Pandoc.brew`

Contents

Introduction

We have two meta-information above:

- author
- title

A third field could be there too: date. For details, please check out Pandoc's homepage or just use `pandoc.title` function of this package.

As you can see writing and formatting paragraphs cannot be easier :)

But what about R? Let us return pi: *3.142*

R objects

`Pander.brew` would transform any returned R object to Pandoc's markdown in each code block.

For example `mtcars`'s first 5 cases look like:

Table 1: Table continues below

	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
Mazda RX4	21	6	160	110	3.9	2.62	16.46	0	1	4	4
Mazda RX4 Wag	21	6	160	110	3.9	2.875	17.02	0	1	4	4
Datsun 710	22.8	4	108	93	3.85	2.32	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	3.44	17.02	0	0	3	2

As you can see some formatting was added to the returned table and was also split up as the original table would have been too wide to fit on the screen (any `pander`er still using a VT100 terminal?) or standard paper. If you do not like that split up, just set the according `panderOption`!

We could try other R objects too, for example let us check `chisq.test` on some variables of `mtcars`:

Table 3: Pearson's Chi-squared test: `mtcars$am` and `mtcars$gear`

Test statistic	df	P value
20.94	2	2.831e-05 * * *

WARNING[1]

And we got a warning above!

[1] Chi-squared approximation may be incorrect

Returning plot

Plots are automatically grabbed between `brew` tags and some custom formatting applied (if `evalsOptions('graph.unify')` is set to `TRUE`):

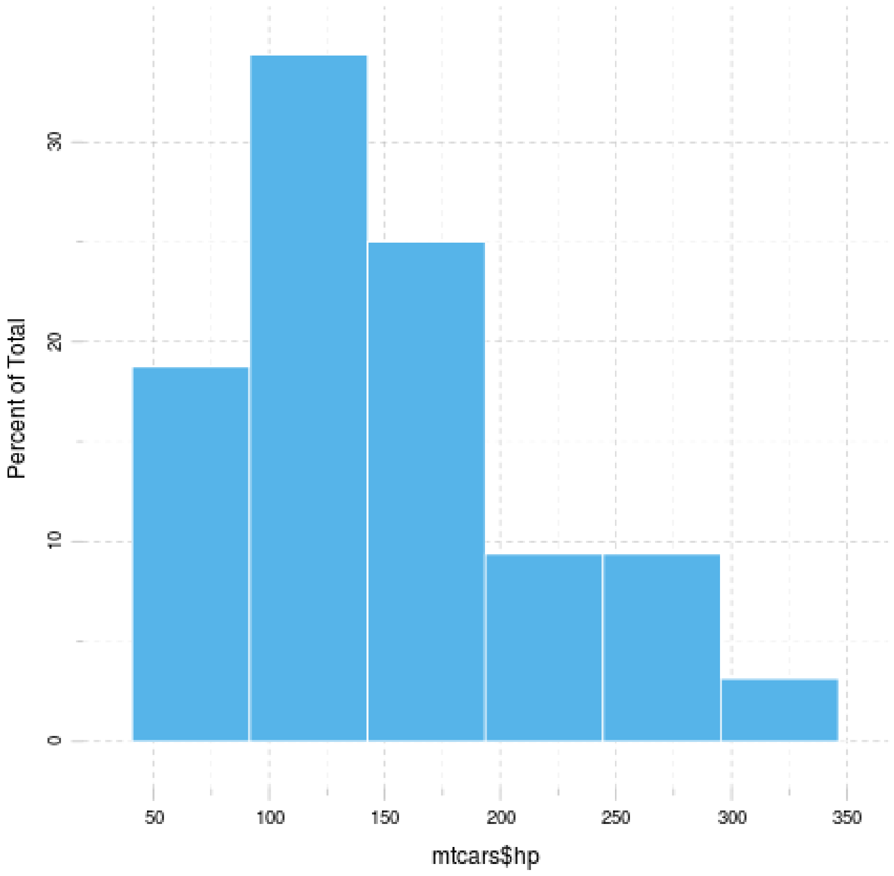
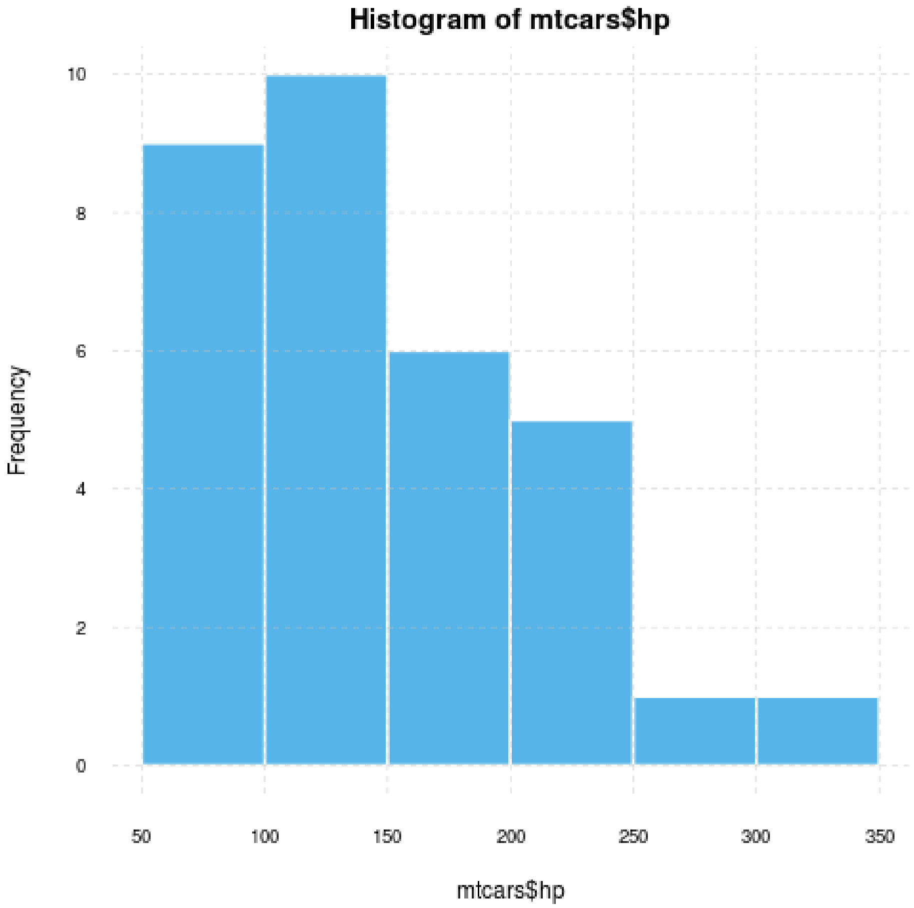


Figure 1:

The above `lattice` looks (IMHO) pretty cool, but what about using `base` plot?



WARNING[2]

This should be quite similar by my intention :)

What about `ggplot2`?

And adding a caption is easy with even some modified `panderOptions`:

Captions

Just like with tables:

[2] Applying default formatting to image is somehow compromised (the result could differ from what you specified in `panderOptions`). Hints: printing `lattice`/`ggplot2` is not needed and tweaking `base` plots with `par` might have some side-effects!

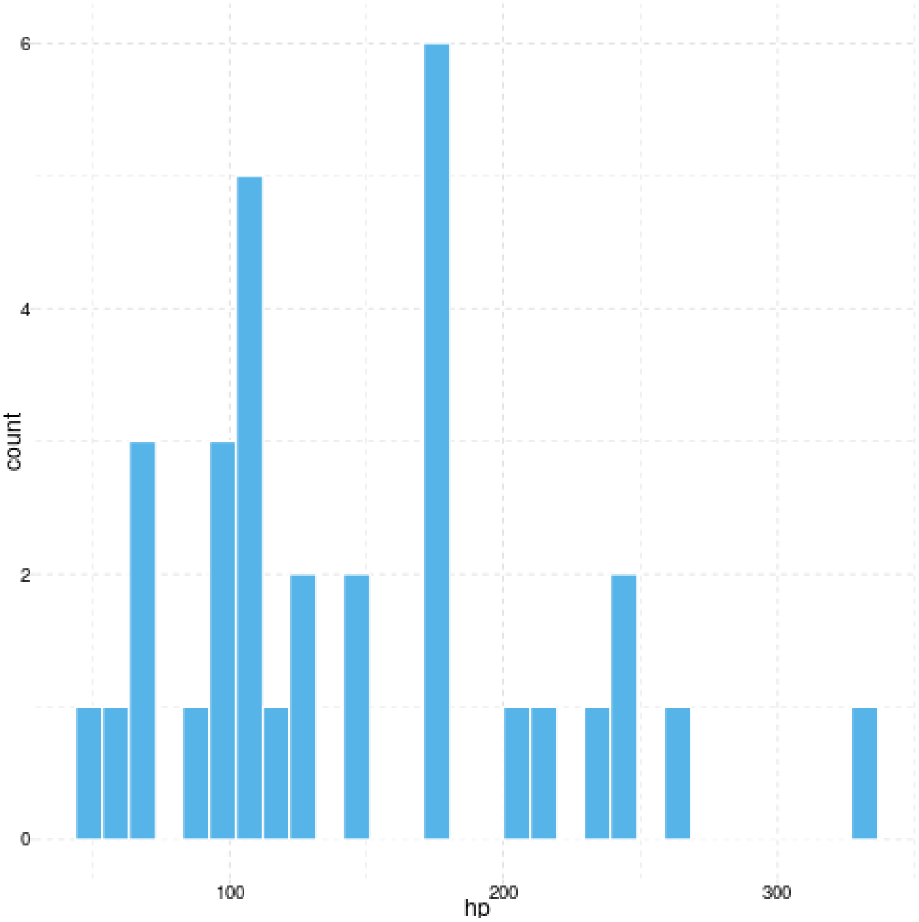


Figure 2:

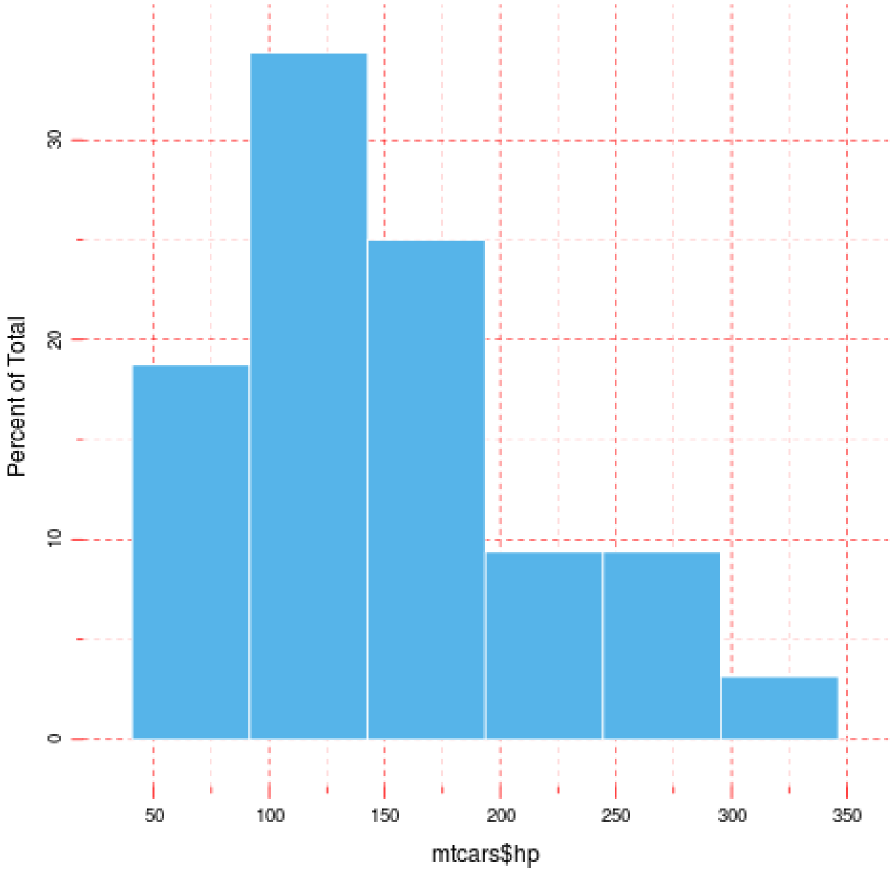


Figure 3: This is a caption, right?

Table 4: Here goes the first two lines of USArrests

	Murder	Assault	UrbanPop	Rape
Alabama	13.2	236	58	21.2
Alaska	10	263	48	44.5

Multiple results

And the chunks can result in multiple R objects of course:

- *1*, *2*, *3*, *4* and *5*

- *3.142*

- *110*, *110*, *93*, *110*, *175*, *105*, *245*, *62*, *95*, *123*, *123*, *180*, *180*, *180*, *205*, *215*, *230*, *66*, *52*, *65*, *97*, *150*, *150*, *245*, *175*, *66*, *91*, *113*, *264*, *175*, *335* and *109*

It happens

ERROR[3]

[3] object ‘unknown.R.object’ not found