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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:

	mpg	cyl	disp	hp	drat	wt
Mazda RX4	21.0	6	160	110	3.90	2.620
Mazda RX4 Wag	21.0	6	160	110	3.90	2.875
Datsun 710	22.8	4	108	93	3.85	2.320
Hornet 4 Drive	21.4	6	258	110	3.08	3.215
Hornet Sportabout	18.7	8	360	175	3.15	3.440

	qsec	vs	am	gear	carb
Mazda RX4	16.46	0	1	4	4
Mazda RX4 Wag	17.02	0	1	4	4
Datsun 710	18.61	1	1	4	1
Hornet 4 Drive	19.44	1	0	3	1
Hornet Sportabout	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`:

Test statistic	df	P value
20.94	2	2.831e-05

Table 1: Pearson's Chi-squared test: `mtcars$am` and `mtcars$gear`
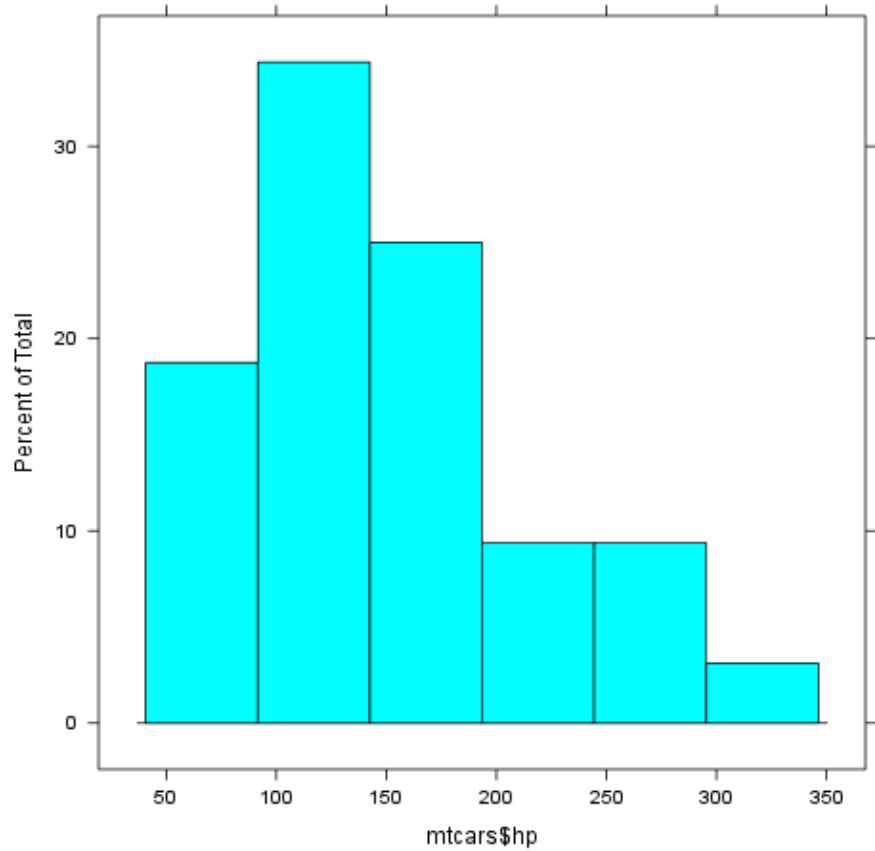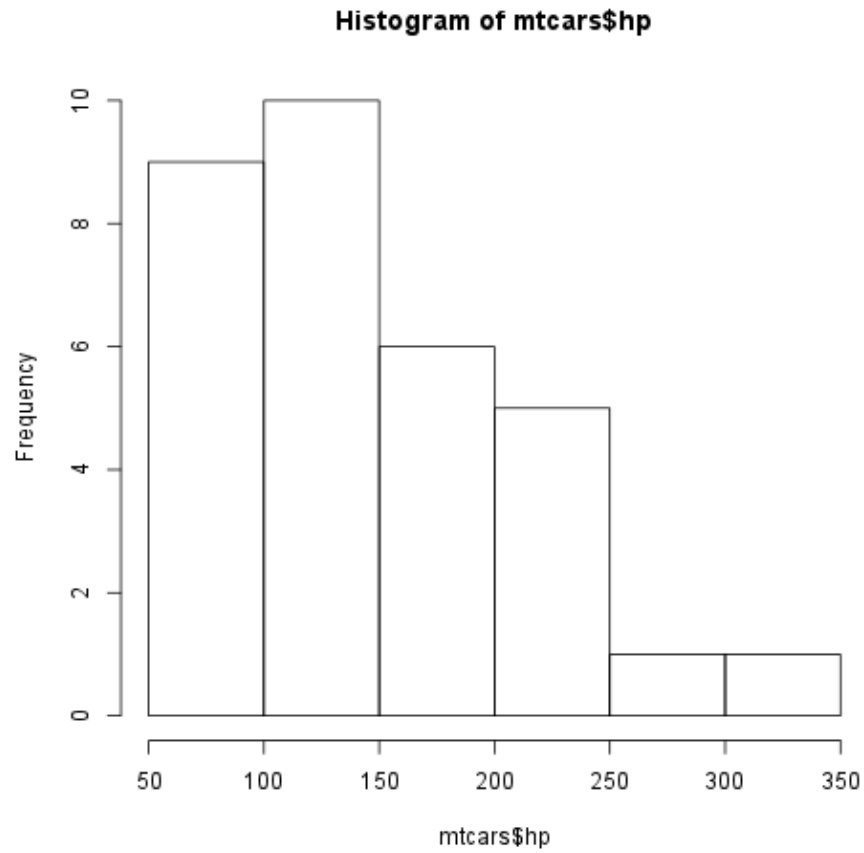
WARNING[1]

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`):
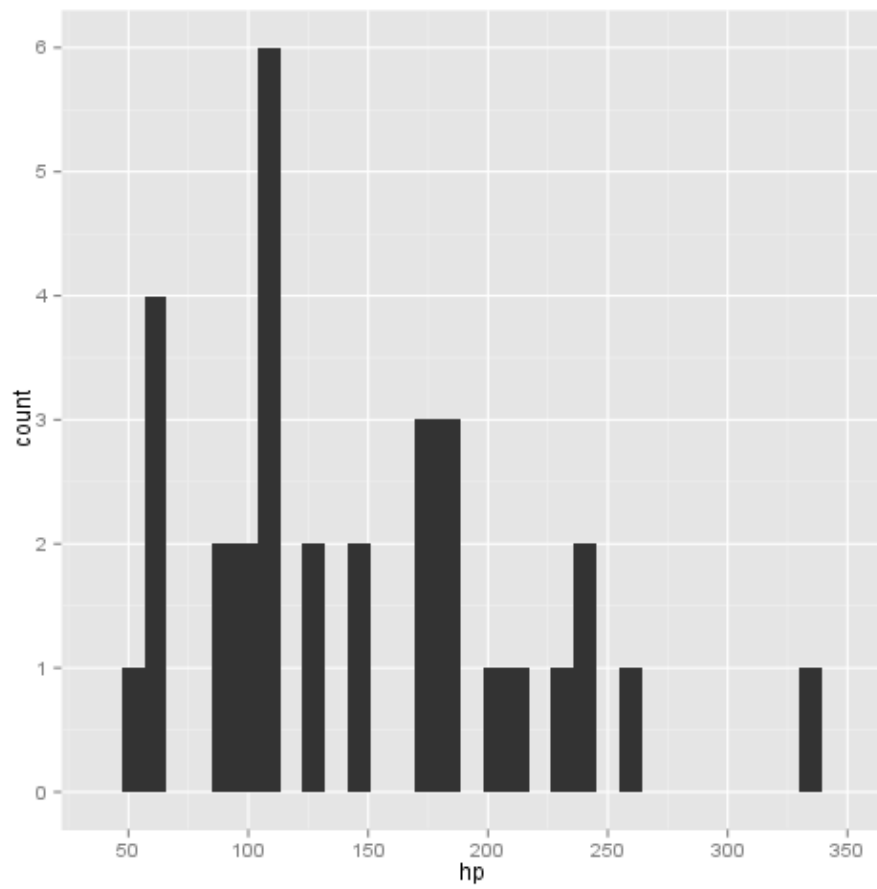

The above `lattice` looks (IMHO) pretty cool, but what about using `base` plot?
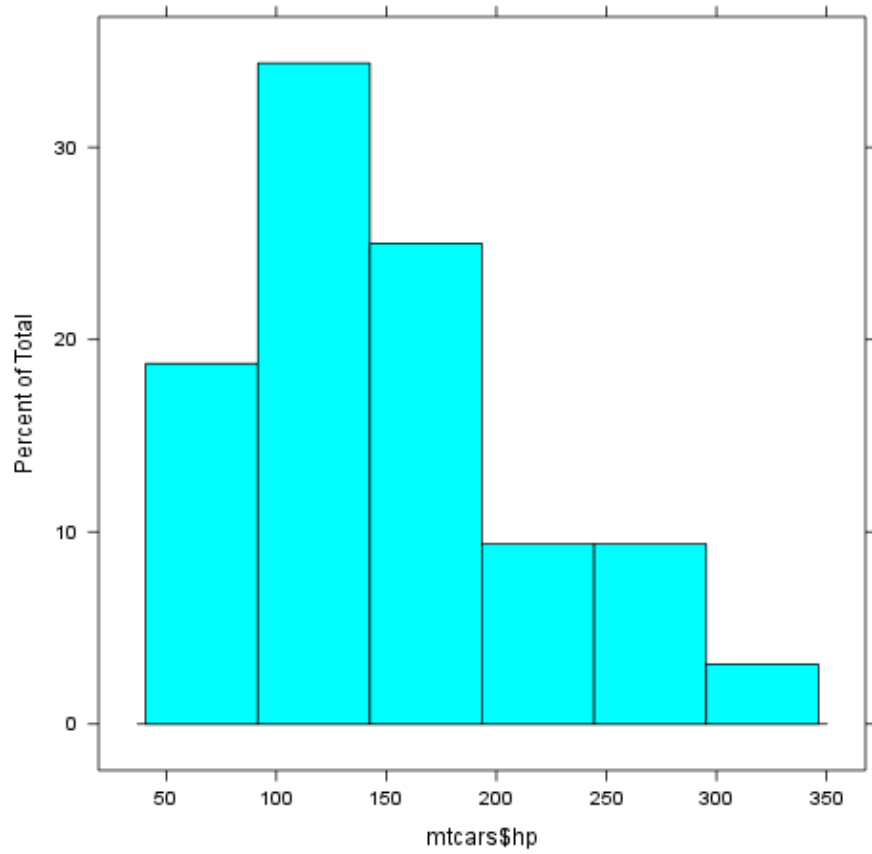
Histogram of mtcars$hp

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:

	Murder	Assault	UrbanPop	Rape
Alabama	13.2	236	58	21.2
Alaska	10.0	263	48	44.5

Table 2: Here goes the first two lines of USArrests

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[2]

This report was generated with R (2.15.1) and pander (0.1) in 1.341 sec on x86_64-unknown-linux-gnu platform.

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[2] object 'unknown.R.object' not found