Academic/Scientific Paper Template using R-Markdown

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09/19/2016

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##
## Please cite as:

##  Hlavac, Marek (2015). stargazer: Well-Formatted Regression and Summary Statistics Tables.

##  R package version 5.2. http://CRAN.R-project.org/package=stargazer
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1 Abstract

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2 Lists

List here

- item 1
- item 2

3 Introduction

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4 Methods

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4.1 Equations

The deterministic part of the model is defined by this **in-line equation** as $\mu_i = \beta_0 + \beta_1 x$, and the stochastic part by the **centered equation**:

$$\frac{1}{\sqrt{2\pi}\sigma} e^{-(x-\mu_i)^2/(2\sigma^2)}$$

4.2 Tables

Table 1: This is a GLM summary table with stargazer

	Dependent variable:
	y
x	2.152***
	(0.102)
Constant	0.104
	(0.099)
Observations	100
R^2	0.820
Adjusted R^2	0.818
Residual Std. Error	0.979 (df = 98)
F Statistic	446.244*** (df = 1; 98)
Note:	*p<0.1; **p<0.05; ***p<0.01

4.3 Plots

You can embed code to produce your figures and then print them. And for the Figures and captions notice that in the code I use `\\label{fig:plot}` in the title which adds .tex code to which I can later call inside the caption of another Figure.

For instance, Figure 2 shows that Figure 1 is very similar to Figure 2. These references to the Figure number were made automatically and the reference inside the caption was also made automatically using the labels created in the previis chunk and with the commands`\\ref{fig:plot}` and `\\label{fig2:plot}`

4.4 Citations

The relationship was first described by Halpern et al. (2006). However, there are also opinions that the relationship is spurious (Keil et al. 2012). I used R for our calculations (R Core Team 2017), and I used package `knitcitations` (Boettiger 2017) to make the bibliography.
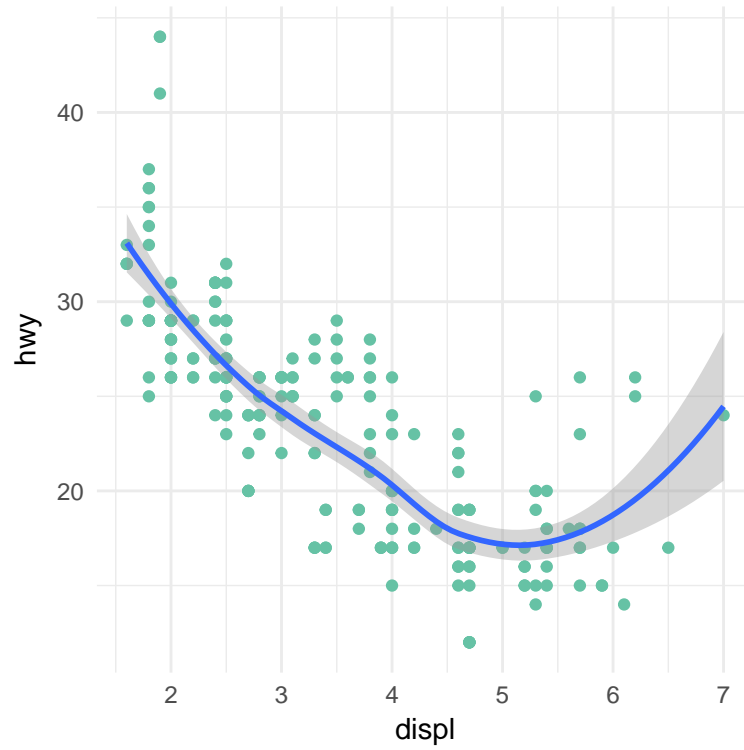
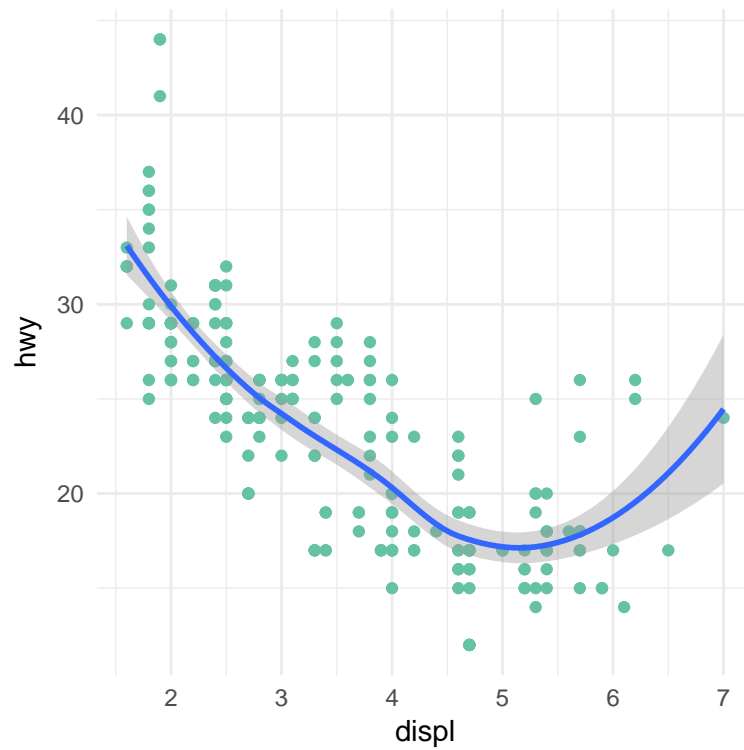Figure 1: Relationship between displ and hwy. The shaded line is the 95% confidecne interval

Figure 2: This Figure is very similar to Figure 1

5 Results and discussion

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References

Boettiger, Carl. 2017. *Knitcitations: Citations for 'Knitr' Markdown Files.* https://CRAN.R-project.org/package=knitcitations.

Halpern, Benjamin S., Helen M. Regan, Hugh P. Possingham, and Michael A. McCarthy. 2006. "Accounting for Uncertainty in Marine Reserve Design." *Ecology Letters* 9 (1). Wiley-Blackwell: 2–11. doi:10.1111/j.1461-0248.2005.00827.x.

Keil, Petr, Jonathan Belmaker, Adam M. Wilson, Philip Unitt, and Walter Jetz. 2012. "Downscaling of Species Distribution Models: <U+2028>a Hierarchical Approach." Edited by Robert Freckleton. *Methods in Ecology and Evolution* 4 (1). Wiley-Blackwell: 82–94. doi:10.1111/j.2041-210x.2012.00264.x.

R Core Team. 2017. *R: A Language and Environment for Statistical Computing.* Vienna, Austria: R Foundation for Statistical Computing. https://www.R-project.org/.