

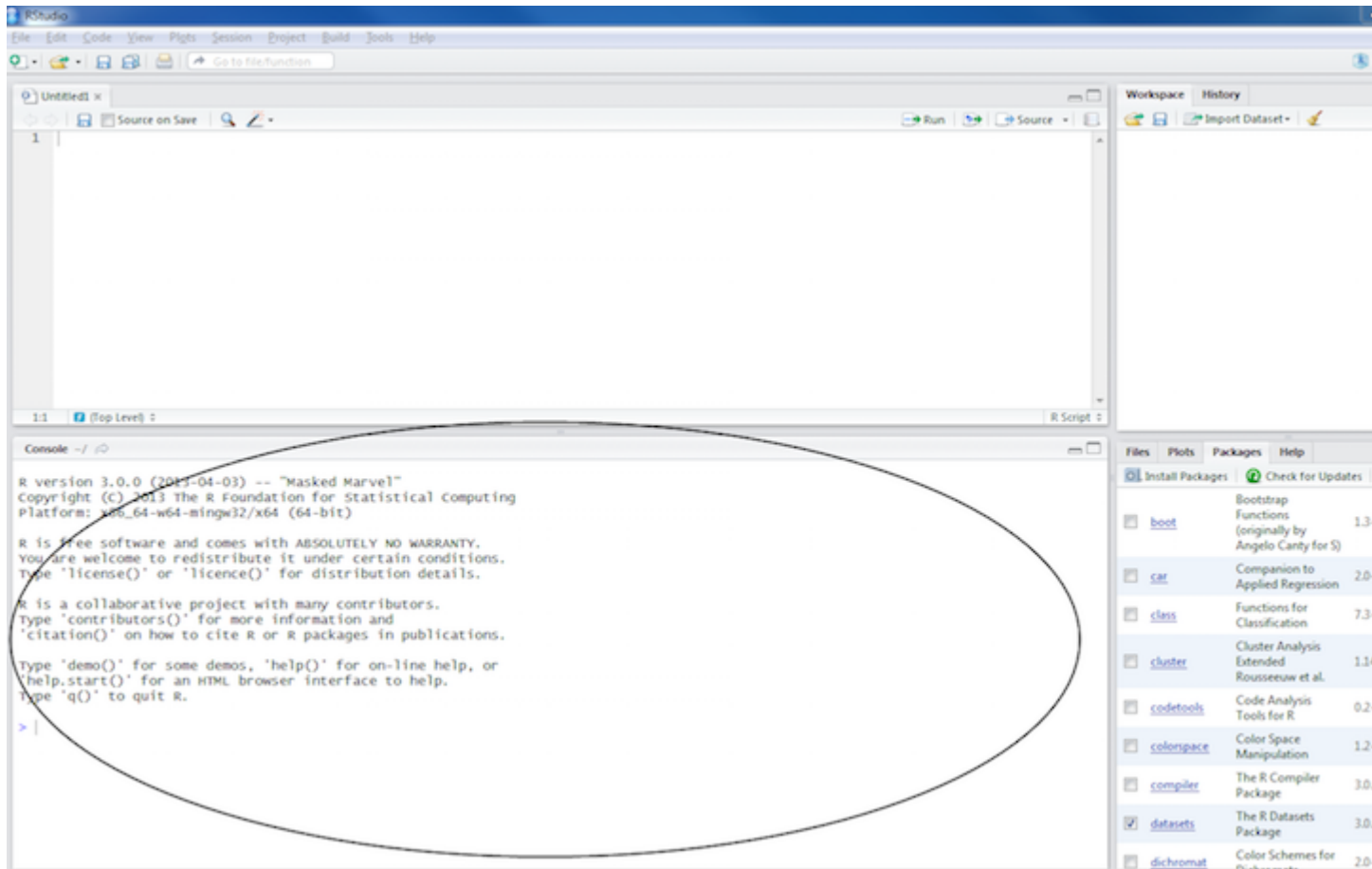
Untitled

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I think the α parameter needs to be set better in the model:

```
knitr::include_graphics("RStudio/r-rstudio-1-3-console.png")
```



\$

$$Y_i = \alpha + \beta x_i + \varepsilon_i \quad (1)$$

$$Z_i = \gamma + \beta x_i + \varepsilon_i \quad (2)$$

\$

I think the paper by Eloyan and Ghosh (2013) is awesome! I like to cite it by (Eloyan and Ghosh 2013).

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed      dist
##  Min.   : 4.0    Min.   :  2.00
## 1st Qu.:12.0    1st Qu.: 26.00
##  Median:15.0    Median : 36.00
##   Mean  :15.4    Mean   : 42.98
## 3rd Qu.:19.0    3rd Qu.: 56.00
##   Max.  :25.0    Max.    :120.00
```

The mean distance of each car is 42.98 miles.

The equation was

```
model = lm( mpg ~ cyl + carb, data = mtcars)
tab = broom::tidy(model, conf_int = TRUE)
knitr::kable(tab)
```

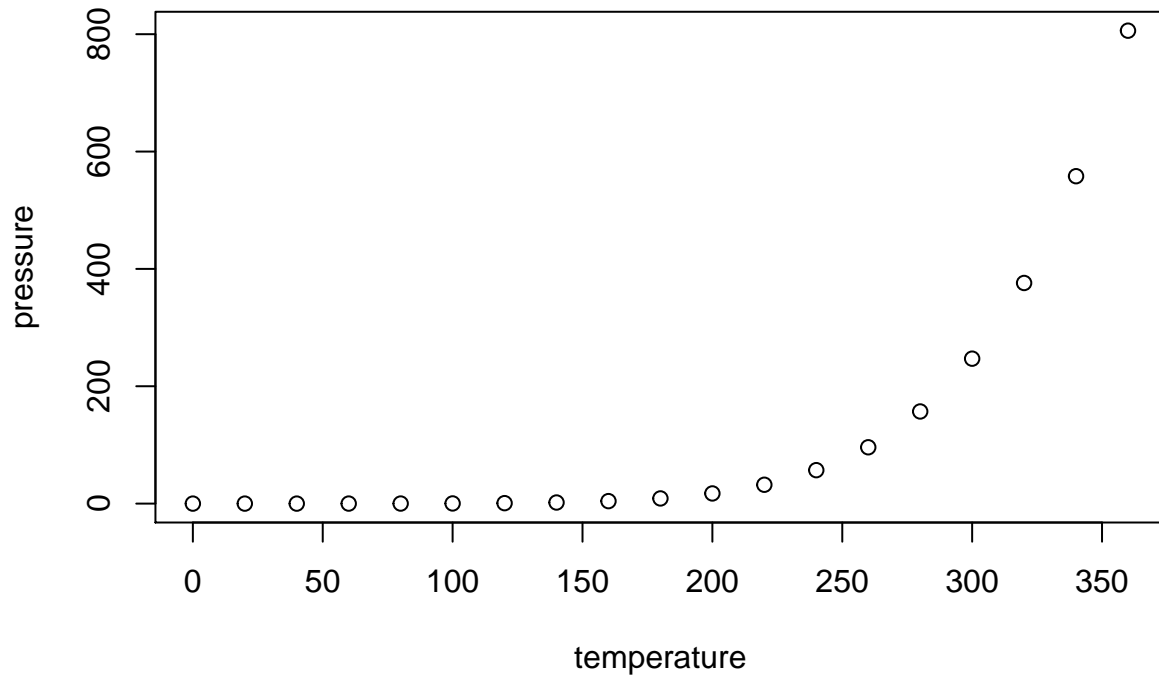
term	estimate	std.error	statistic	p.value
(Intercept)	37.812739	2.0540223	18.409118	0.0000000
cyl	-2.625023	0.3755924	-6.989020	0.0000001
carb	-0.526146	0.4152914	-1.266932	0.2152603

```
# DT::datatable(tab)
pander::pander(tab)
```

term	estimate	std.error	statistic	p.value
(Intercept)	37.81	2.054	18.41	1.532e-17
cyl	-2.625	0.3756	-6.989	1.102e-07
carb	-0.5261	0.4153	-1.267	0.2153

Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

References

Eloyan, Ani, and Sujit K Ghosh. 2013. "A Semiparametric Approach to Source Separation Using Independent Component Analysis." *Computational Statistics & Data Analysis* 58. Elsevier: 383–96.