Manuscript

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## R Markdown

(R Development Core Team 2009) 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

fit<-lm(dist~speed, data=cars)  
summary(fit)

##   
## Call:  
## lm(formula = dist ~ speed, data = cars)  
##   
## Residuals:  
## Min 1Q Median 3Q Max   
## -29.069 -9.525 -2.272 9.215 43.201   
##   
## Coefficients:  
## Estimate Std. Error t value Pr(>|t|)   
## (Intercept) -17.5791 6.7584 -2.601 0.0123 \*   
## speed 3.9324 0.4155 9.464 1.49e-12 \*\*\*  
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1  
##   
## Residual standard error: 15.38 on 48 degrees of freedom  
## Multiple R-squared: 0.6511, Adjusted R-squared: 0.6438   
## F-statistic: 89.57 on 1 and 48 DF, p-value: 1.49e-12

kable(tidy(summary(fit)))

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| term | estimate | std.error | statistic | p.value |
| (Intercept) | -17.579095 | 6.7584402 | -2.601058 | 0.0123188 |
| speed | 3.932409 | 0.4155128 | 9.463990 | 0.0000000 |

## 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.

## Refernces

R Development Core Team. 2009. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <http://www.R-project.org>.