WISG19

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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.

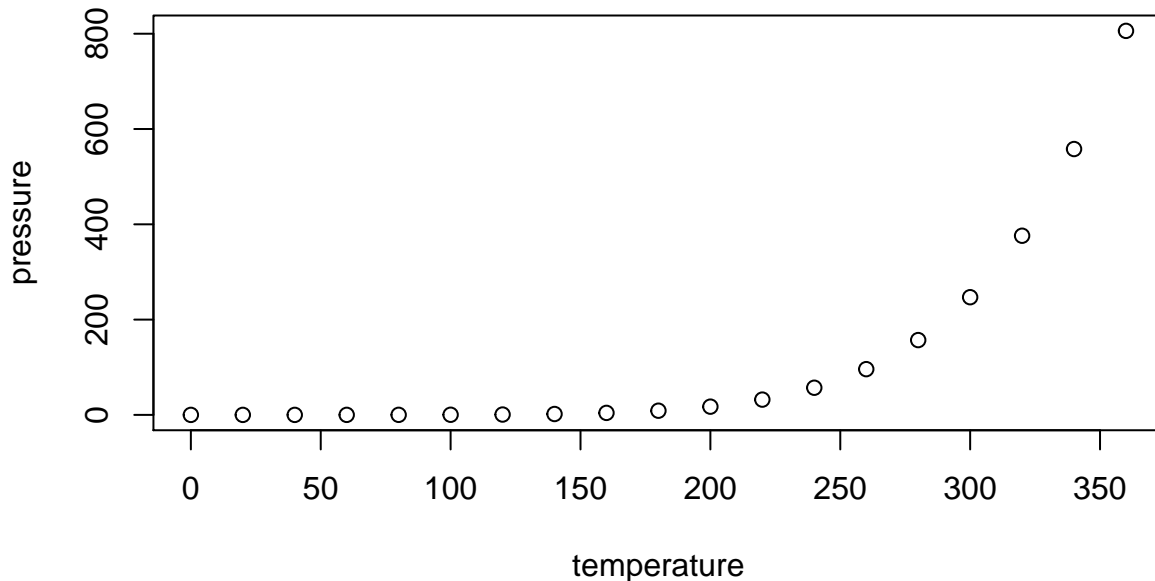### Including Code Chunks

You can embed an R code chunk like this:

```r
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
```

Including Plots

You can also embed plots. Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.
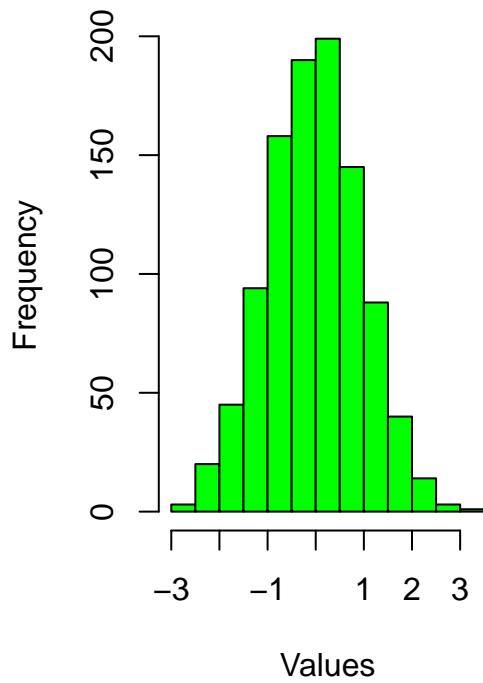
Options for Combined Output

You can print your figures directly into the document, with or without showing the associated code.

```
set.seed(4)
vals <- rnorm(1000)
hist(vals, main = "Look a histogram!", xlab = "Values", col = "green")
```
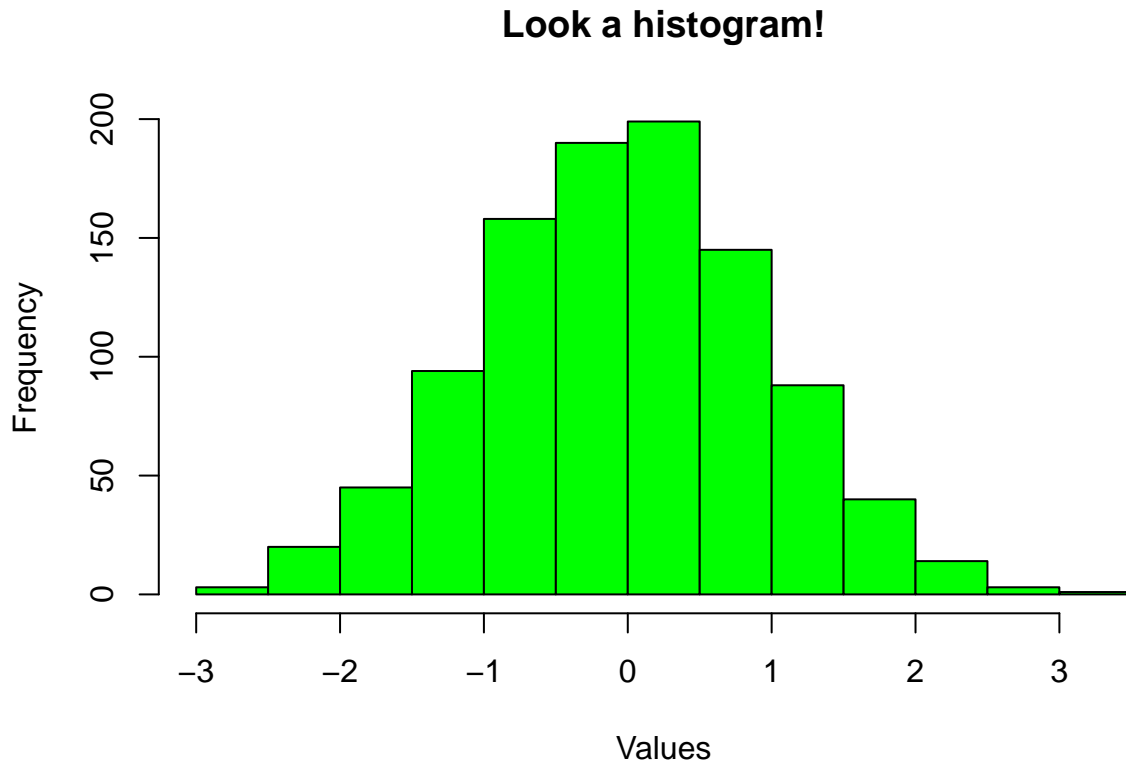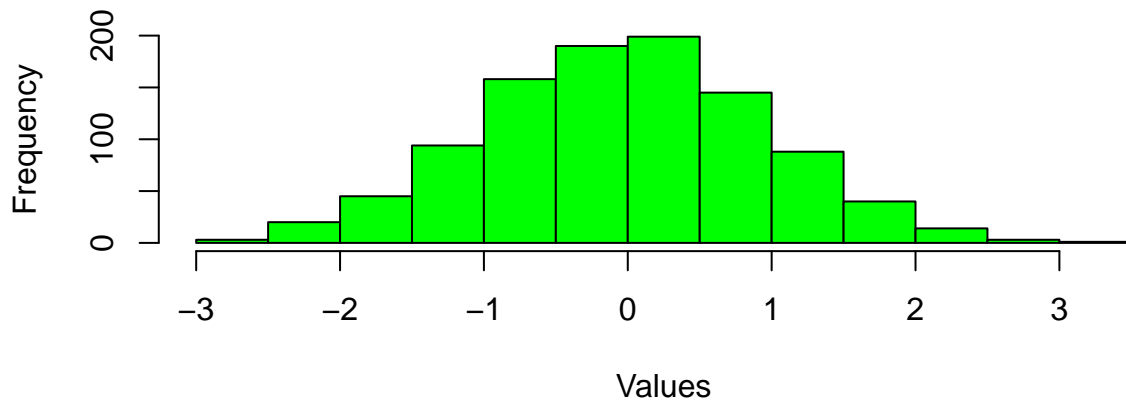
Look a histogram!

You can adjust the figure width using fig.width.

Look a histogram!
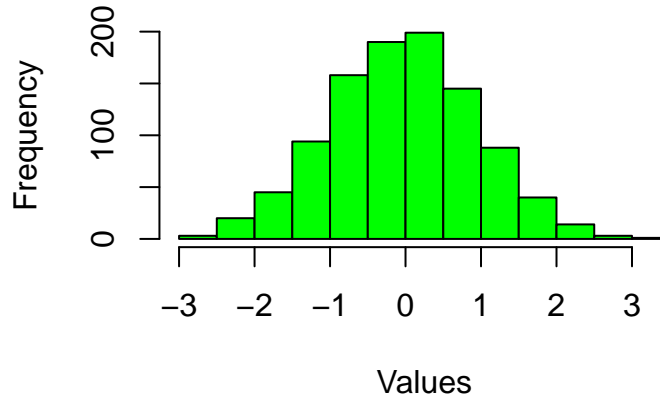

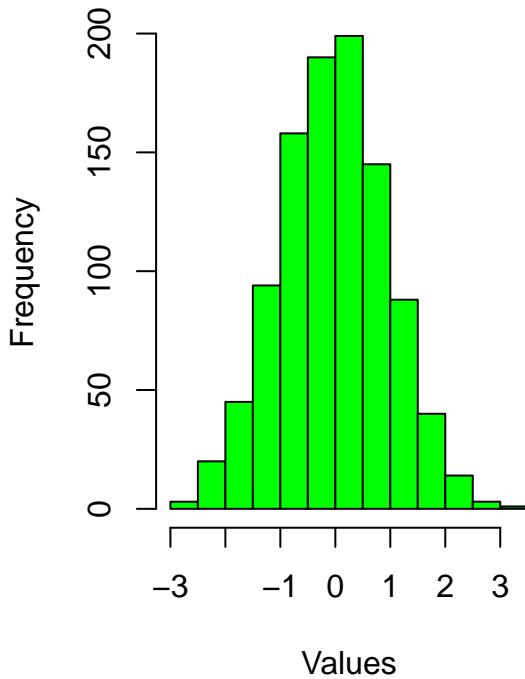You can adjust the figure height using fig.height.

Look a histogram!

You can set the alignment using "fig.align"
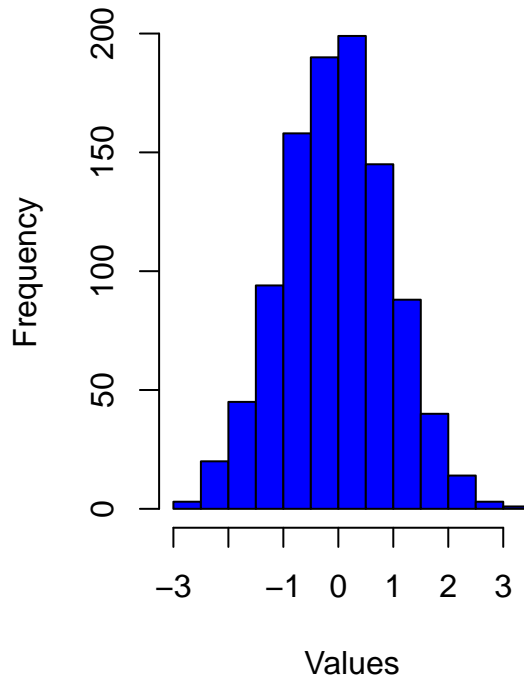
Look a histogram!

Frequency vs Values histogram

Take advantage of par options to print multiple figures in a layout.

Look a histogram!

Look another histogram!

Math

If you want to include nicely formatted mathematical expressions inline with your text, use math text between dollar signs. For example, $\Sigma_{i=1}^{n} x_i$. This can be useful for printing special characters as well: β, $alpha$, $\pm$.

If you want the expression in display form, use two dollar signs.

$$\int_0^\infty \int_0^\infty \left(\frac{X_i}{Y_i} \right) dx dy$$