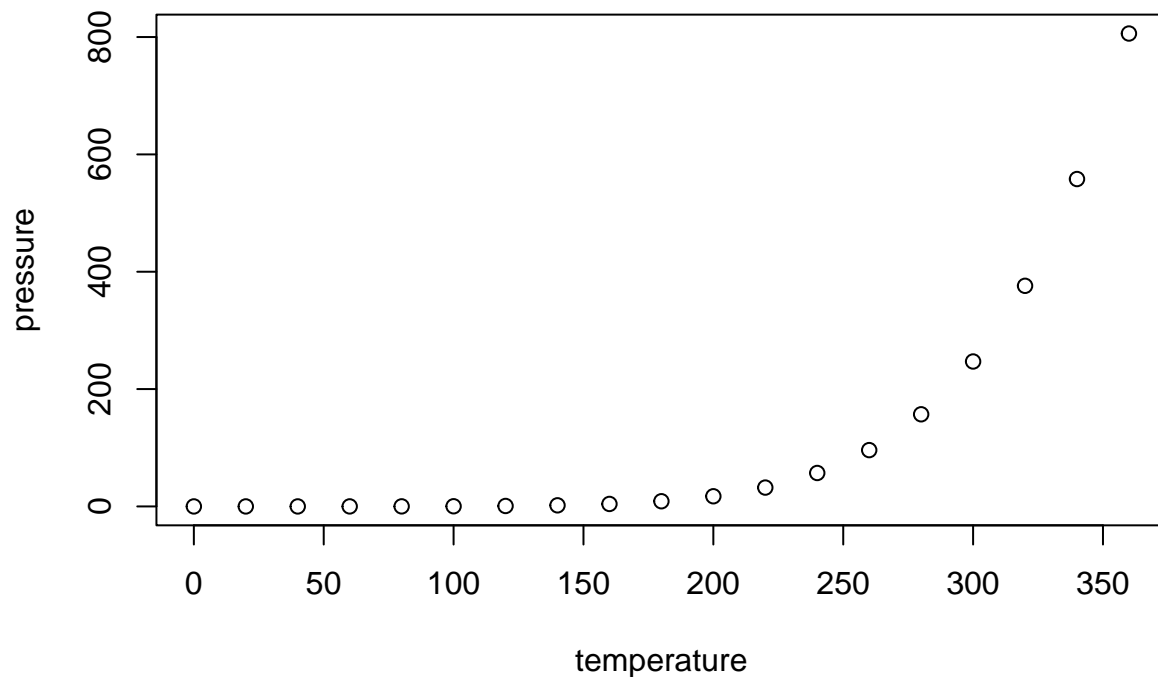# R Markdown

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:

```
##      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, for example like this:



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

```
##     Variable              Unit                 Value
##  Length:10          Length:10          Min.   : 69507
##  Class :character   Class :character   1st Qu.: 527665
```

```
##  Mode  :character   Mode  :character   Median :1224312
##                                         Mean   :2537489
##                                         3rd Qu.:3900242
##                                         Max.   :8884615
##                                         NA's   :1
```

html, no head

Variable

Unit

Value

Aviation Sector Energy Demand

PJ/yr

527664.97

Buildings Energy Demand

PJ/yr

8884615.13

Final Energy Demand

PJ/yr

NA

Manufacturing Energy Demand

PJ/yr

4375078.45

Maritime Sector Energy Demand

PJ/yr

426099.41

NonEnergy Demand

PJ/yr

1224311.60

Other Energy Demand

PJ/yr

649651.97

Rail Sector Energy Demand

PJ/yr

69506.81

Road Sector Energy Demand

PJ/yr

2780227.38

Transport Energy Demand

PJ/yr

3900242.47

Table 1: html with head

| Variable | Unit | Value |
| --- | --- | --- |
| Aviation Sector Energy Demand | PJ/yr | 527664.97 |
| Buildings Energy Demand | PJ/yr | 8884615.13 |
| Final Energy Demand | PJ/yr | NA |
| Manufacturing Energy Demand | PJ/yr | 4375078.45 |
| Maritime Sector Energy Demand | PJ/yr | 426099.41 |
| NonEnergy Demand | PJ/yr | 1224311.60 |
| Other Energy Demand | PJ/yr | 649651.97 |
| Rail Sector Energy Demand | PJ/yr | 69506.81 |
| Road Sector Energy Demand | PJ/yr | 2780227.38 |
| Transport Energy Demand | PJ/yr | 3900242.47 |

Table 2: simple, no head

| Variable | Unit | Value |
| --- | --- | --- |
| Aviation Sector Energy Demand | PJ/yr | 527664.97 |
| Buildings Energy Demand | PJ/yr | 8884615.13 |
| Final Energy Demand | PJ/yr | NA |
| Manufacturing Energy Demand | PJ/yr | 4375078.45 |
| Maritime Sector Energy Demand | PJ/yr | 426099.41 |
| NonEnergy Demand | PJ/yr | 1224311.60 |
| Other Energy Demand | PJ/yr | 649651.97 |
| Rail Sector Energy Demand | PJ/yr | 69506.81 |
| Road Sector Energy Demand | PJ/yr | 2780227.38 |
| Transport Energy Demand | PJ/yr | 3900242.47 |

Table 3: simple with head

| Variable | Unit | Value |
| --- | --- | --- |
| Aviation Sector Energy Demand | PJ/yr | 527664.97 |
| Buildings Energy Demand | PJ/yr | 8884615.13 |
| Final Energy Demand | PJ/yr | NA |
| Manufacturing Energy Demand | PJ/yr | 4375078.45 |
| Maritime Sector Energy Demand | PJ/yr | 426099.41 |
| NonEnergy Demand | PJ/yr | 1224311.60 |
| Other Energy Demand | PJ/yr | 649651.97 |
| Rail Sector Energy Demand | PJ/yr | 69506.81 |
| Road Sector Energy Demand | PJ/yr | 2780227.38 |
| Transport Energy Demand | PJ/yr | 3900242.47 |

Table 4: pipe, no head

| Variable | Unit | Value |
|---|---|---|
| Aviation Sector Energy Demand | PJ/yr | 527664.97 |
| Buildings Energy Demand | PJ/yr | 8884615.13 |
| Final Energy Demand | PJ/yr | NA |
| Manufacturing Energy Demand | PJ/yr | 4375078.45 |
| Maritime Sector Energy Demand | PJ/yr | 426099.41 |
| NonEnergy Demand | PJ/yr | 1224311.60 |
| Other Energy Demand | PJ/yr | 649651.97 |
| Rail Sector Energy Demand | PJ/yr | 69506.81 |
| Road Sector Energy Demand | PJ/yr | 2780227.38 |
| Transport Energy Demand | PJ/yr | 3900242.47 |

Table 5: latex with head

| Variable | Unit | Value |
|---|---|---|
| Aviation Sector Energy Demand | PJ/yr | 527664.97 |
| Buildings Energy Demand | PJ/yr | 8884615.13 |
| Final Energy Demand | PJ/yr | NA |
| Manufacturing Energy Demand | PJ/yr | 4375078.45 |
| Maritime Sector Energy Demand | PJ/yr | 426099.41 |
| NonEnergy Demand | PJ/yr | 1224311.60 |
| Other Energy Demand | PJ/yr | 649651.97 |
| Rail Sector Energy Demand | PJ/yr | 69506.81 |
| Road Sector Energy Demand | PJ/yr | 2780227.38 |
| Transport Energy Demand | PJ/yr | 3900242.47 |

# Make a table

Create a subset of the mtcars data.

| Variable | Unit | Value |
|---|---|---|
| Aviation Sector Energy Demand | PJ/yr | 527664.97 |
| Buildings Energy Demand | PJ/yr | 8884615.13 |
| Final Energy Demand | PJ/yr | NA |
| Manufacturing Energy Demand | PJ/yr | 4375078.45 |
| Maritime Sector Energy Demand | PJ/yr | 426099.41 |
| NonEnergy Demand | PJ/yr | 1224311.60 |
| Other Energy Demand | PJ/yr | 649651.97 |
| Rail Sector Energy Demand | PJ/yr | 69506.81 |
| Road Sector Energy Demand | PJ/yr | 2780227.38 |
| Transport Energy Demand | PJ/yr | 3900242.47 |