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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. You can embed an R code chunk like this:

```
library (rtweet)
```

```
## Warning: package 'rtweet' was built under R version 4.1.2
```

```
library(dplyr)
```

```
## Warning: package 'dplyr' was built under R version 4.1.2
```

```
##
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
##
##     filter, lag
```

```
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
Gates <- get_timeline("@BillGates", n= 3200)
# Remove retweets
Gates_tweets_organic <- Gates[Gates$is_retweet==FALSE, ]
# Remove replies
Gates_tweets_organic <- subset(Gates_tweets_organic, is.na(Gates_tweets_organic$reply_to_status_id))
Gates_tweets_organic <- Gates_tweets_organic %>% arrange(-favorite_count)
Gates_tweets_organic[1,5]
```

```
## # A tibble: 1 x 1
##   text
##   <chr>
## 1 Halting funding for the World Health Organization during a world health crisi~
```

```r
Gates_tweets_organic <- Gates_tweets_organic %>% arrange(-retweet_count)
Gates_tweets_organic[1,5]
```

```
## # A tibble: 1 x 1
##   text
##   <chr>
## 1 Halting funding for the World Health Organization during a world health crisi~
```

```r
# Keeping only the retweets
Gates_retweets <- Gates[Gates$is_retweet==TRUE,]
Gates_replies <- subset(Gates, !is.na(Gates$reply_to_status_id))
# Creating a data frame
data <- data.frame(
  category=c("Organic", "Retweets", "Replies"),
  count=c(2856, 192, 120)
)

# Adding columns
data$fraction = data$count / sum(data$count)
data$percentage = data$count / sum(data$count) * 100
data$ymax = cumsum(data$fraction)
data$ymin = c(0, head(data$ymax, n=-1))

# Rounding the data to two decimal points
#install.packages("forestmangr")
library(forestmangr)
```

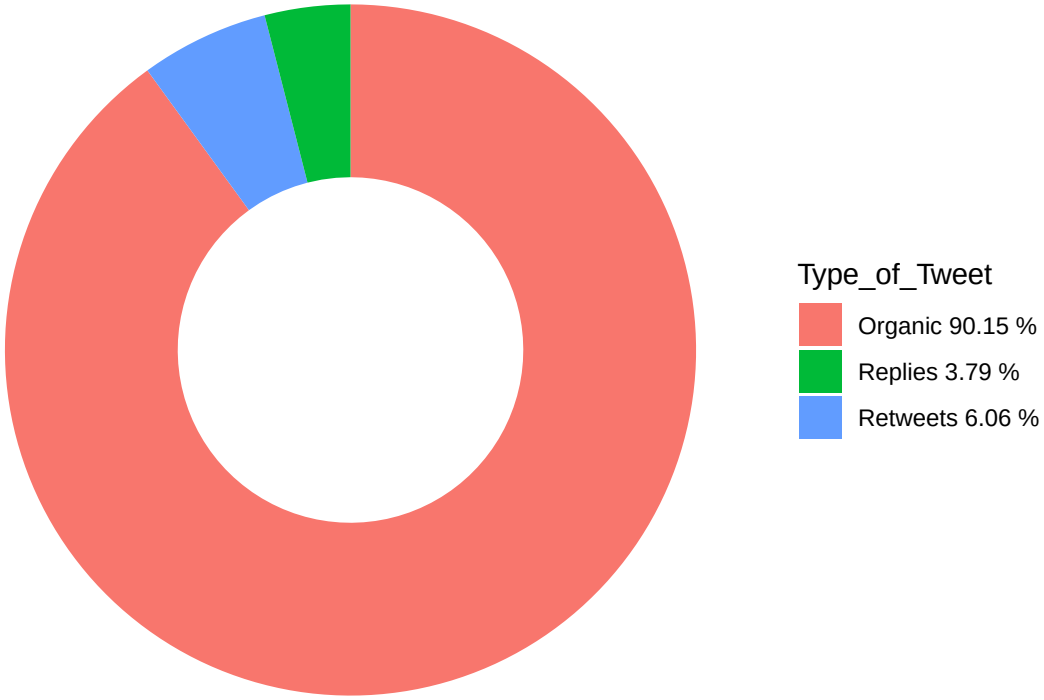
```
## Warning: package 'forestmangr' was built under R version 4.1.2
```

```r
data <- round_df(data, 2)

# Specify what the legend should say
Type_of_Tweet <- paste(data$category, data$percentage, "%")
library(ggplot2)
```

```
## Warning: package 'ggplot2' was built under R version 4.1.2
```

```r
ggplot(data, aes(ymax=ymax, ymin=ymin, xmax=4, xmin=3, fill=Type_of_Tweet)) +
  geom_rect() +
  coord_polar(theta="y") +
  xlim(c(2, 4)) +
  theme_void() +
  theme(legend.position = "right")
```

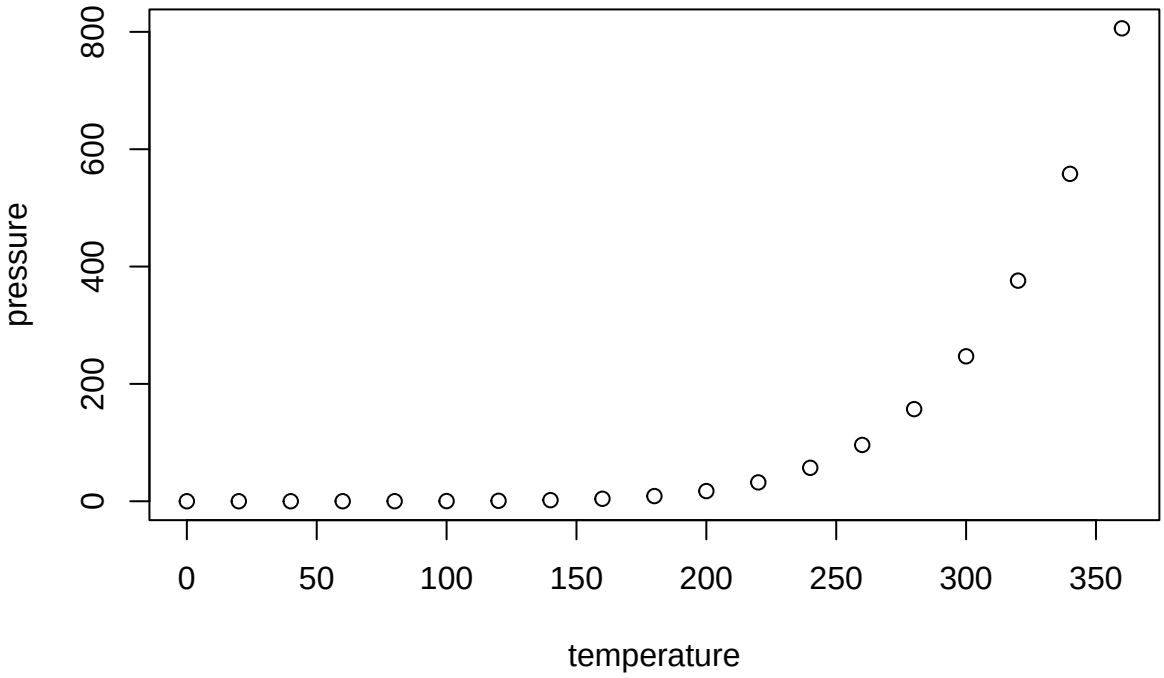



```
summary(cars)
```

```
##      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, 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.