Untitled

R Cheatsheet

Load libraries

```
if (!require(testthat)) install.packages('testthat')
library(testthat)
```

Self learning

```
library("swirl")
```

Vectors

```
rep(c(0, 1, 2), each = 10)
```

```
##  [1] 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2
```

```
rep(c(0, 1, 2), times = 10)
```

```
##  [1] 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2
```

Memory management

```
# Sample dataset of 1000 rows
some_df <- data.frame(rep(1:100, 10),
                      rep(101:200, 10),
                      rep(201:300, 10))

object.size(some_df) # Reports the memory size allocated to the object
```

```
## 13040 bytes
```

```
rm("some_df") # Removes only the object itself and not necessarily the memory allotted to it
gc() # Force R to release memory it is no longer using
```

```
##          used (Mb) gc trigger (Mb) max used (Mb)
## Ncells 471985 25.3    1017037 54.4   662982 35.5
## Vcells 882332  6.8    8388608 64.0  1805879 13.8
```

```
ls() # Lists all the objects in your current workspace
```

```
## character(0)
```

```
rm(list = ls()) # If you want to delete all the objects in the workspace and start with a clean slate
```