## Week 3

## Martin Aragoneses July 23, 2015

## lapply()

```
x <- list(a = 1:5, b = rnorm(10))
lapply(x, mean) ## lapply(x, function, ...)
## $a
## [1] 3
##
## $b
## [1] -0.1965211
y <- 1:4
lapply(y, runif)
## [[1]]
## [1] 0.05321502
##
## [[2]]
## [1] 0.9041713 0.1425779
##
## [[3]]
## [1] 0.323539041 0.006263022 0.564705914
## [[4]]
## [1] 0.44949165 0.20126551 0.05923083 0.82800624
Anonymous functions
x \leftarrow list(a = matrix(1:4, 2, 2), b = matrix(1:6, 3, 2))
\textit{# we get the first column in each matrix}
lapply(x, function(e) e[, 1])
## $a
## [1] 1 2
##
## $b
## [1] 1 2 3
sapply()
```