Week 3

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lapply()

```
x <- list(a = 1:5, b = rnorm(10))
lapply(x, mean) ## lapply(x, function, ...)
## $a
## [1] 3
##
## $b
## [1] -0.1204272
y <- 1:4
lapply(y, runif)
## [[1]]
## [1] 0.1903106
##
## [[2]]
## [1] 0.2616992 0.2685343
##
## [[3]]
## [1] 0.8578246 0.0995149 0.1239741
## [[4]]
## [1] 0.09273053 0.80587486 0.14021614 0.91583877
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()
```