

# ListA 07

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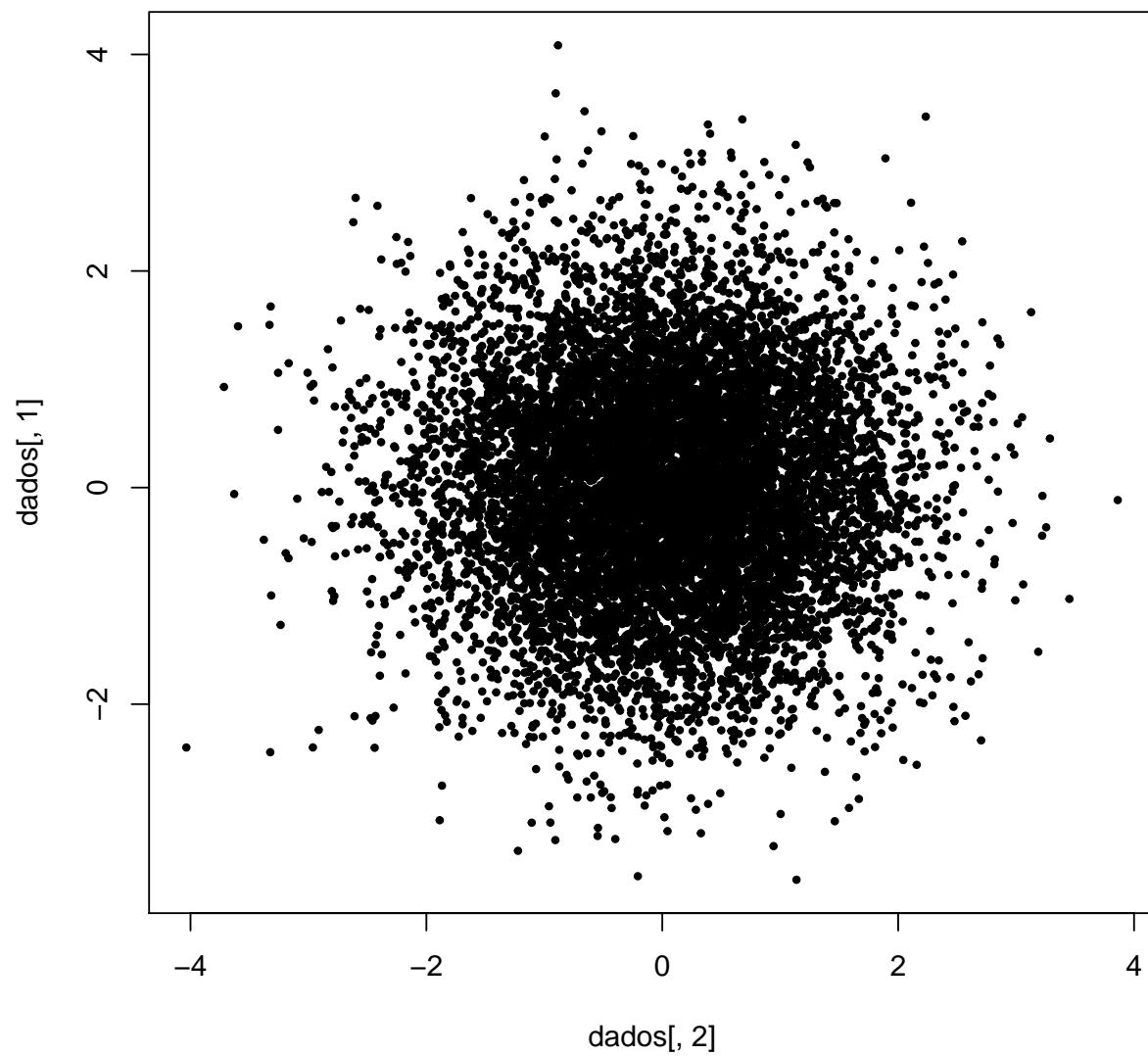
##Para  $P_{12} = 0$

```
require(mvtnorm)
```

```
## Loading required package: mvtnorm
```

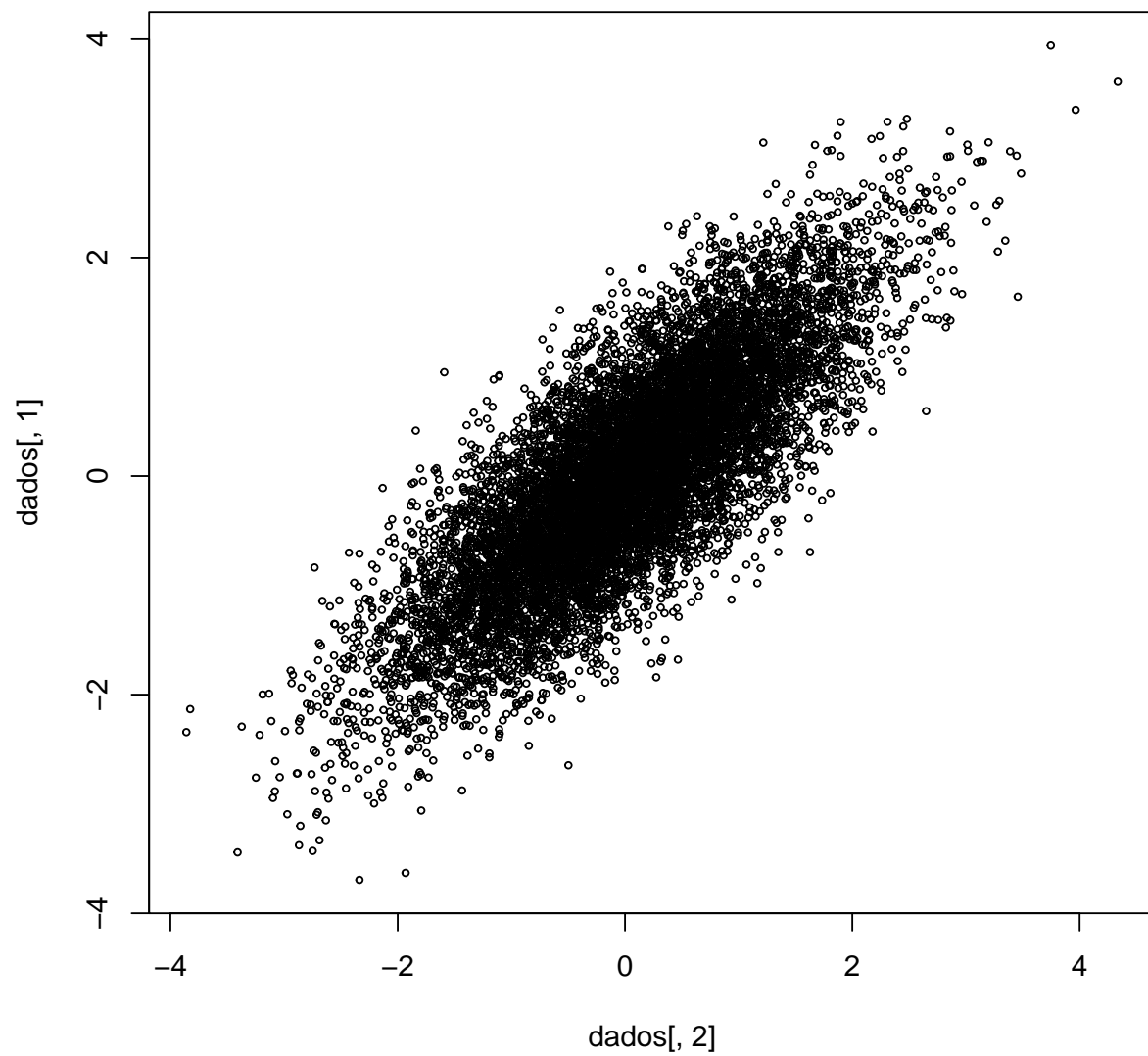
```
## Warning: package 'mvtnorm' was built under R version 4.0.3
```

```
dados <- rmvnorm(10000, mean=rep(0,2), sigma=matrix(c(1.0, 0,  
                                                    0, 1.0), nrow = 2, byrow = TRUE))  
plot(dados[,1] ~ dados[,2], cex = 0.5, pch = 19)
```



##Para  $P_{12} = 0.8$

```
dados <- rmvnorm(10000, mean=rep(0,2), sigma=matrix(c(1.0, 0.8,  
                                                       0.8, 1.0), nrow = 2, byrow = TRUE))  
plot(dados[,1] ~ dados[,2], cex = 0.5)
```



##Para  $p_{12} = -0.95$

```
dados <- rmvnorm(10000, mean=rep(0,2), sigma=matrix(c(1.0, -0.95,  
                                                    -0.95, 1.0), nrow = 2, byrow = TRUE))  
plot(dados[,1] ~ dados[,2], cex = 0.5)
```

