

Tema1.R

adragos

2020-05-01

```
library(discreteRV)
```

```
##  
## Attaching package: 'discreteRV'  
  
## The following object is masked from 'package:base':  
##  
##      %in%
```

```
library(prob)
```

```
## Loading required package: combinat  
  
##  
## Attaching package: 'combinat'  
  
## The following object is masked from 'package:utils':  
##  
##      combn  
  
## Loading required package: fAsianOptions  
  
## Loading required package: timeDate  
  
## Loading required package: timeSeries  
  
## Loading required package: fBasics  
  
## Loading required package: fOptions  
  
##  
## Attaching package: 'prob'  
  
## The following object is masked from 'package:discreteRV':  
##  
##      marginal
```

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

Problema 1 (laborator) Problema 1 (scris)

```
(X <- RV(c(2,3),c(1/5,4/5)))
```

```
## Random variable with 2 outcomes
##
## Outcomes  2  3
## Probs    1/5 4/5
```

```
(Y <- RV(c(-3,-2),c(4/5,1/5)))
```

```
## Random variable with 2 outcomes
##
## Outcomes -3 -2
## Probs    4/5 1/5
```

Problema 2 (scris) Problema 3 (scris) Problema 4 (scris)

```
jointXY <- jointRV(list(c(2,3), c(-3,-2)), probs=c(4/25,1/25,16/25,4/25))
```

```
X <- discreteRV::marginal(jointXY, 1)
Y <- discreteRV::marginal(jointXY, 2)
```

Problema 2 (laborator) Problema 3 (laborator) Problema 4 (laborator)