

## Variable aléatoire suivant une loi uniforme

### I)Simulation

Avec [alcofeethmique](#), on fait :

```
affiche alea()
```

Pour simuler 100 valeurs :

```
liste = (alea() for n in [1..100])  
affiche liste
```

```
affiche alea() for n in[1..100]
```

On obtient :

Algorithme exécuté en 0 millisecondes

Algorithme lancé

```
0.7676417867187411  
0.771760045317933  
0.026554096257314086  
0.9141181397717446  
0.3795196677092463  
0.9358066734857857  
0.6915433423127979  
0.5130664494354278  
0.689518203958869  
0.0814591774251312  
0.7587355868890882  
0.888741398230195  
0.06309796567074955  
0.849041298031807  
0.01997390016913414  
0.3603887085337192  
0.694403535919264  
0.07656434923410416  
0.44786022533662617  
0.6746876635588706  
0.6508010313846171  
0.8816060302779078  
0.27913207514211535  
0.9389246709179133  
0.7875726262573153  
0.0938191416207701  
0.6296470370143652  
0.4110620506107807
```

0.5222530651371926  
0.23217718629166484  
0.033116395119577646  
0.06552667613141239  
0.3570750690996647  
0.006770819891244173  
0.9746122097130865  
0.20888301287777722  
0.3306109032128006  
0.7200082398485392  
0.7129593659192324  
0.7165189362131059  
0.8165906562935561  
0.30319338478147984  
0.7789172809571028  
0.9281685359310359  
0.9683126795571297  
0.8394793504849076  
0.04643106949515641  
0.1337290855590254  
0.12911004293709993  
0.7929938565939665  
0.5371927823871374  
0.675778406439349  
0.20861638081260026  
0.296295172534883  
0.2592360388953239  
0.0266812511254102  
0.9740392691455781  
0.7599585808347911  
0.143582615070045  
0.7752119686920196  
0.03108057822100818  
0.3493806957267225  
0.3388408625032753  
0.321285939309746  
0.6599012517835945  
0.02860522479750216  
0.7488828506320715  
0.14928377489559352  
0.6655362804885954  
0.49907217430882156  
0.4010298082139343  
0.4600287720095366  
0.3065029529388994  
0.10587049648165703  
0.8388989479281008  
0.35474186576902866  
0.12679522740654647  
0.0361763711553067  
0.059727395651862025  
0.8138519709464163

0.6016371813602746  
0.49623669986613095  
0.21187583985738456  
0.12172507611103356  
0.658362174872309  
0.18698582472279668  
0.4521816992200911  
0.8380077993497252  
0.21817262191325426  
0.8386464358773082  
0.708678811090067  
0.4415732151828706  
0.5008218218572438  
0.7026343203615397  
0.40270489547401667  
0.7787913293577731  
0.4794952501542866  
0.45839980989694595  
0.890679276548326  
0.9202061663381755

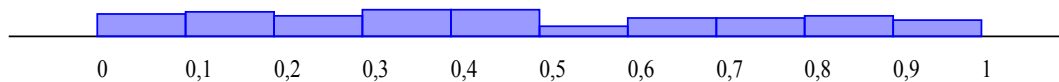
Algorithme exécuté en 16 milliseconde

## II) Histogramme sur 100 valeurs

Pour avoir l'histogramme on fait :

```
liste=(alea() for n in [1..100])  
histogramme liste, 0,1,10
```

On obtient l'histogramme suivant :



III) Histogramme sur 10 000 valeurs

