

QCM Statistique descriptive

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Vrai ou Faux

Les lignes de commande suivantes affichent le vecteur ligne

[1] 1 0.5 0.25 0.125 0.0625 : vrai ou faux et pourquoi ?

1. [] $2^{-0:4}$

`2^-0:4`

[1] 1 2 3 4

2. [] $2^{-(0:4)}$

`2^-(0:4)`

[1] 1 2 4 8 16

3. [] $2^{-(0:4)}$

`2^-(0:4)`

[1] 1.0000 0.5000 0.2500 0.1250 0.0625

4. [] $2^{-(0:4)}$

`2^-(0:4)`

[1] 1.0000 0.5000 0.2500 0.1250 0.0625

5. [] $1/2^{0:4}$

`1/2^0:4`

[1] 1.0000000 0.5000000 0.3333333 0.2500000

6. [] $1/2^{(0:4)}$

`1/2^(0:4)`

[1] 1.0000 0.5000 0.2500 0.1250 0.0625

7. [] `cumprod(rep(0.5,5))`

`cumprod(rep(0.5,5))`

[1] 0.50000 0.25000 0.12500 0.06250 0.03125

8. [] `cumprod(c(1,rep(0.5,4)))`

`cumprod(c(1,rep(0.5,4)))`

[1] 1.0000 0.5000 0.2500 0.1250 0.0625

9. [] `v<-1; for (i in 1:4){v <- c(v,v/2)}; v`

`v<-1; for (i in 1:4){v <- c(v,v/2)}; v`

```
## [1] 1.0000 0.5000 0.5000 0.2500 0.5000 0.2500 0.2500 0.1250 0.5000 0.2500
## [11] 0.2500 0.1250 0.2500 0.1250 0.1250 0.0625
```

```
10. [] v<-rep(1,5); for (i in 0:4){v(i) <- 2^(-i)}; v
```

```
#v<-rep(1,5); for (i in 0:4){v(i) <- 2^(-i)}; v
#impossible de trouver la fonction "v<-"
```

```
11. [] v<-1; for (i in 0:4){v[i] <- 1/2^i}; v
```

```
v<-1; for (i in 0:4){v[i] <- 1/2^i}; v
```

```
## [1] 0.5000 0.2500 0.1250 0.0625
```

```
12. [] v<-1; for (i in 2:4){v[i] <- 1/2^i}; v
```

```
v<-1; for (i in 2:4){v[i] <- 1/2^i}; v
```

```
## [1] 1.0000 0.2500 0.1250 0.0625
```

```
13. [] v<-1; while (v>0.1){v <- v/2}; v
```

```
v<-1; while (v>0.1){v <- v/2}; v
```

```
## [1] 0.0625
```

```
14. [] x<-1; v<-x; while(x>0.1){x<-x/2; v<-c(v,x)}; v
```

```
x<-1; v<-x; while(x>0.1){x<-x/2; v<-c(v,x)}; v
```

```
## [1] 1.0000 0.5000 0.2500 0.1250 0.0625
```