QCM Statistique descriptive

Ali Hajj Hassan, Hazem HASAN

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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
```