

TESTS_DEV - S2 Respect de la chronologie des actions dans le book

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Jeu de Données 1

```
## Loading required package: grid
```

```
## Loading required package: chron
```

```
## Loading required package: Matrix
```

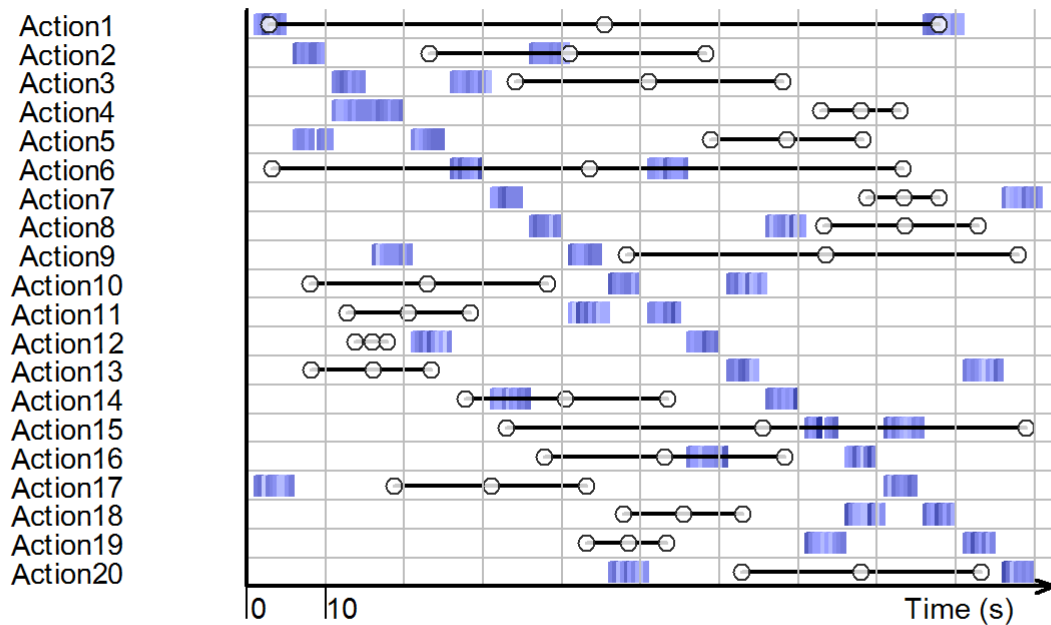
```
## Loading required package: colorspace
```

```
## Loading required package: stringr
```

```
vi <- visielse( X=data, pixel = 0.5, doplot = FALSE)
```

```
## Warning in .local(.Object, ...): No green zone defined for punctuals actions  
##
```

```
plot( vi, scal.unit.tps = 10)
```



```
plot(vi@book)
```

Action1 Action2 Action3 Action4 Action5 Action6 Action7 Action8 Action9 Action10 Action11 Action12 Action13 Action14 Action15 Action16 Action17 Action18 Action19 Action20 Action21 Action22 Action23 Action24 Action25 Action26 Action27 Action28 Action29 Action30 Action31 Action32 Action33 Action34 Action35 Action36 Action37 Action38 Action39 Action40 Action41 Action42 Action43 Action44 Action45 Action46 Action47 Action48 Action49 Action50 Action51 Action52 Action53 Action54 Action55 Action56 Action57 Action58 Action59 Action60 Action61 Action62 Action63 Action64 Action65 Action66 Action67 Action68 Action69 Action70 Action71 Action72 Action73 Action74 Action75 Action76 Action77 Action78 Action79 Action80 Action81 Action82 Action83 Action84 Action85 Action86 Action87 Action88 Action89 Action90 Action91 Action92 Action93 Action94 Action95 Action96 Action97 Action98 Action99 Action100

1 10 11 12 13 14 15 16 17 18 19 2 20 3 4 5 6 7 8 9



Jeu de Données 2

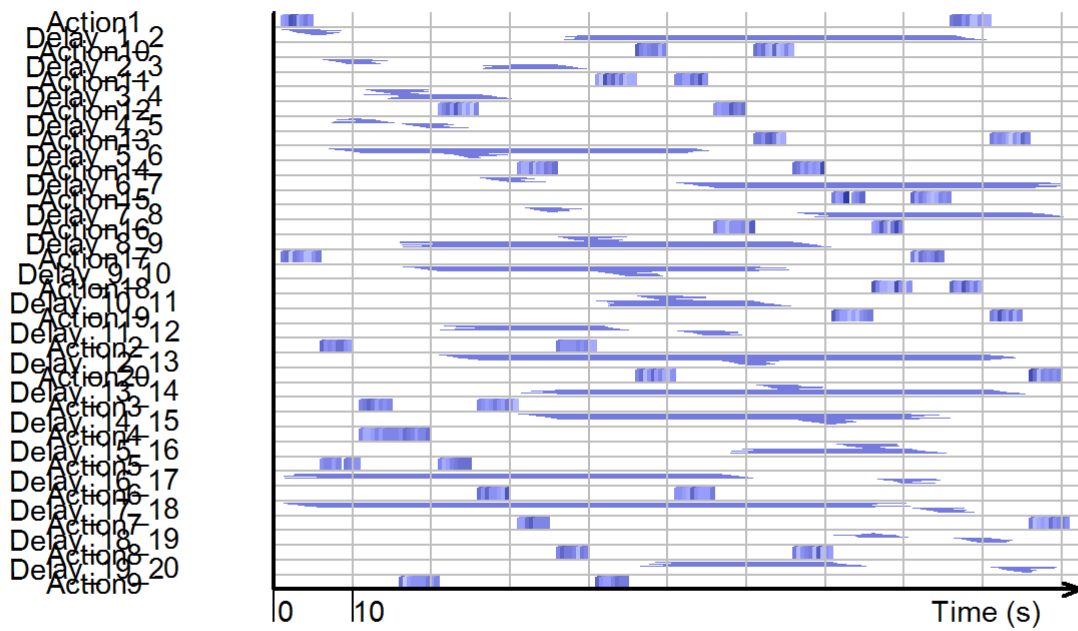
```
book[order(book$showorder),c(1,4)]
```

```
##          vars showorder
## 22    Action1          1
## 15  Delay_1_2          2
##  8    Action10         3
##  7  Delay_2_3          4
## 33    Action11         5
## 21  Delay_3_4          6
## 30    Action12         7
## 34  Delay_4_5          8
## 13    Action13         9
## 39  Delay_5_6         10
## 19    Action14        11
## 36  Delay_6_7         12
## 27    Action15        13
## 20  Delay_7_8         14
## 24    Action16        15
## 25  Delay_8_9         16
## 23    Action17        17
##  4  Delay_9_10        18
##  5    Action18        19
## 26 Delay_10_11        20
##  1    Action19        21
## 11 Delay_11_12        22
##  3    Action2         23
## 35 Delay_12_13        24
## 32    Action20        25
## 12 Delay_13_14        26
## 28    Action3         27
## 17 Delay_14_15        28
## 10    Action4         29
##  2  Delay_15_16        30
## 29    Action5         31
##  9  Delay_16_17        32
## 37    Action6         33
## 14 Delay_17_18        34
## 18    Action7         35
##  6  Delay_18_19        36
## 16    Action8         37
## 38 Delay_19_20        38
## 31    Action9         39
```

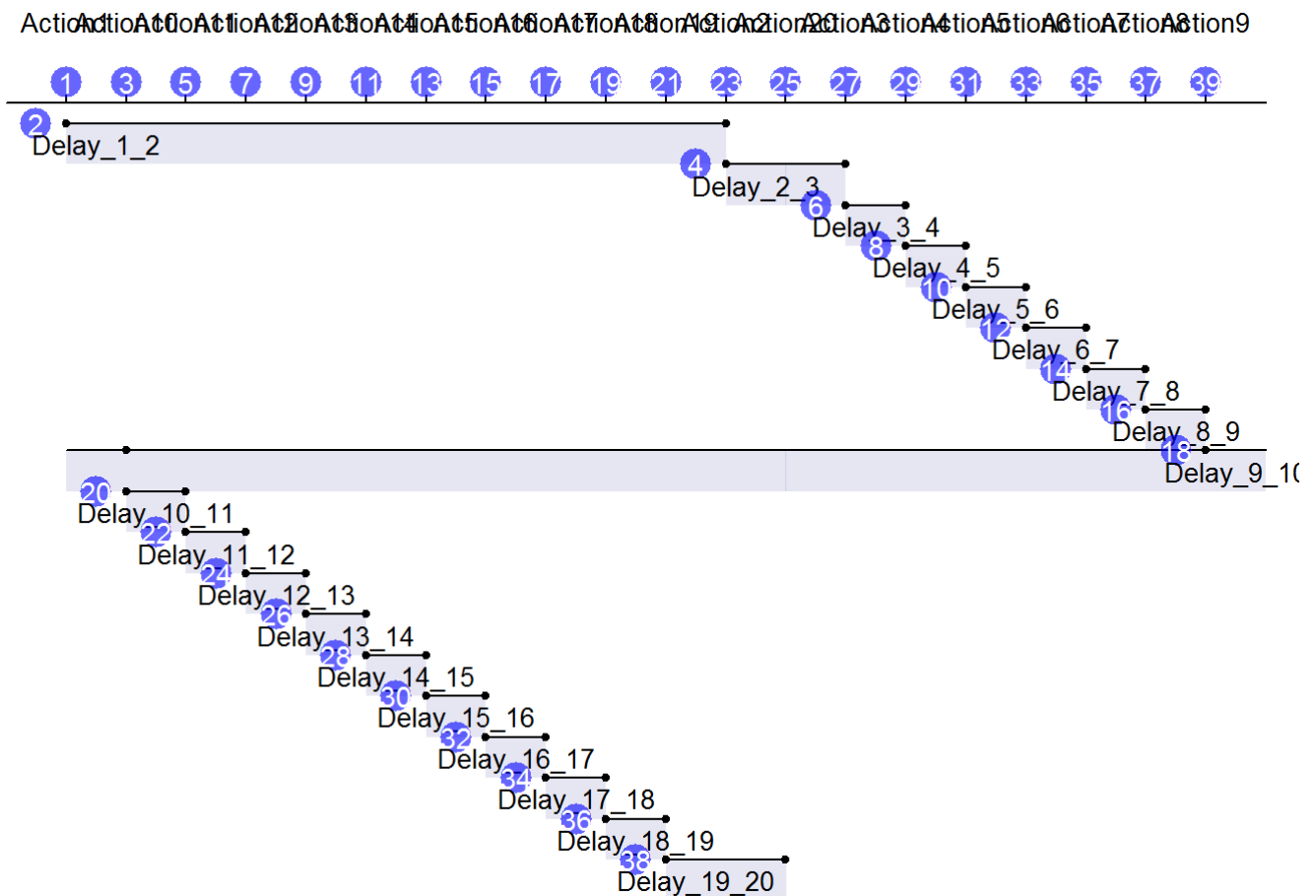
```
vi <- visielse( X=data, book=book,pixel = 0.5, doplot = FALSE , informer = NULL)
```

```
## Warning in .local(.Object, ...): No green zone defined for punctuals actions
##
```

```
plot( vi, scal.unit.tps = 10)
```



```
plot(vi@book)
```



Jeu de Données 3

Nombre d'actions Ponctuelles 20

Nombre d'actions longues 19

Nombre d'individus 100

Check list

-Suit l'ordre dans la colonne showorder du book

-Plot uniquement les actions avec un showorder

```
colnames(book)
```

```
## [1] "order"      "vars"      "label"     "typeA"     "showorder"
## [6] "deb"        "fin"       "GZDeb"     "GZFin"     "Repetition"
## [11] "BZBeforeDeb" "BZBeforeFin" "BZAfterDeb" "BZAfterFin" "BZLong"
## [16] "BZLtype"
```

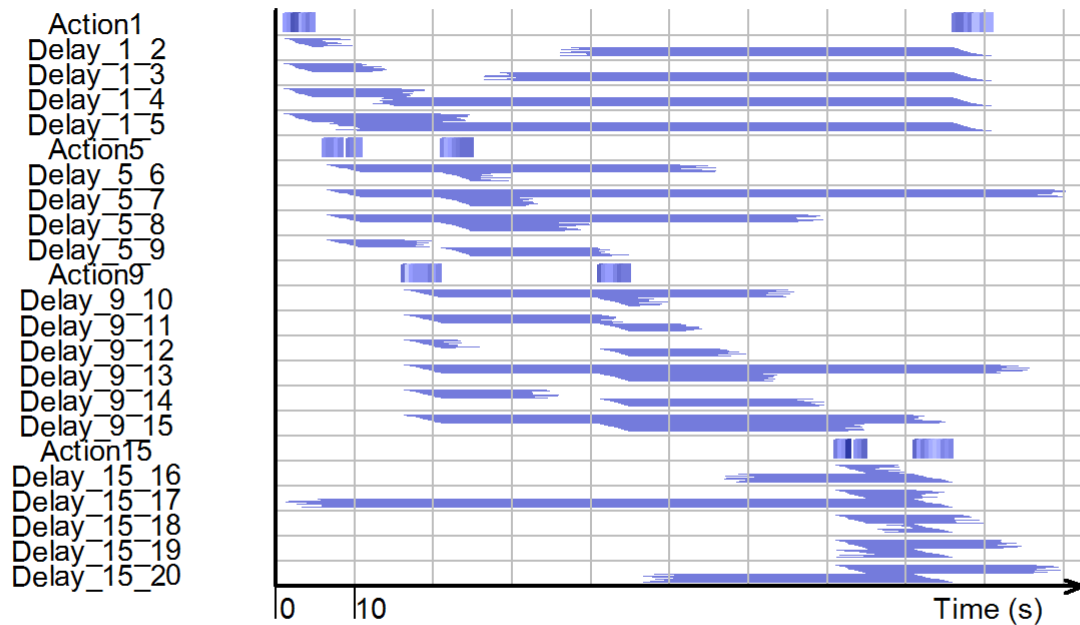
```
book[order(book$showorder),c(2,5)]
```

```
##          vars showorder
## 1      Action1          1
## 25    Delay_1_2          2
## 27    Delay_2_3          3
## 33    Delay_3_4          4
## 26    Delay_4_5          5
## 5      Action5          6
## 37    Delay_5_6          7
## 22    Delay_6_7          8
## 28    Delay_7_8          9
## 32    Delay_8_9         10
## 9      Action9         11
## 31    Delay_9_10        12
## 36    Delay_10_11       13
## 34    Delay_11_12       14
## 30    Delay_12_13       15
## 38    Delay_13_14       16
## 29    Delay_14_15       17
## 15     Action15        18
## 35    Delay_15_16       19
## 39    Delay_16_17       20
## 24    Delay_17_18       21
## 21    Delay_18_19       22
## 23    Delay_19_20       23
## 2      Action2         NA
## 3      Action3         NA
## 4      Action4         NA
## 6      Action6         NA
## 7      Action7         NA
## 8      Action8         NA
## 10     Action10        NA
## 11     Action11        NA
## 12     Action12        NA
## 13     Action13        NA
## 14     Action14        NA
## 16     Action16        NA
## 17     Action17        NA
## 18     Action18        NA
## 19     Action19        NA
## 20     Action20        NA
```

```
vi <- visielse( X=data, book=book,pixel = 0.5, doplot = FALSE , informer = NULL)
```

```
## Warning in .local(.Object, ...): No green zone defined for punctuals actions
##
```

```
plot( vi, scal.unit.tps = 10)
```



Punctual Action

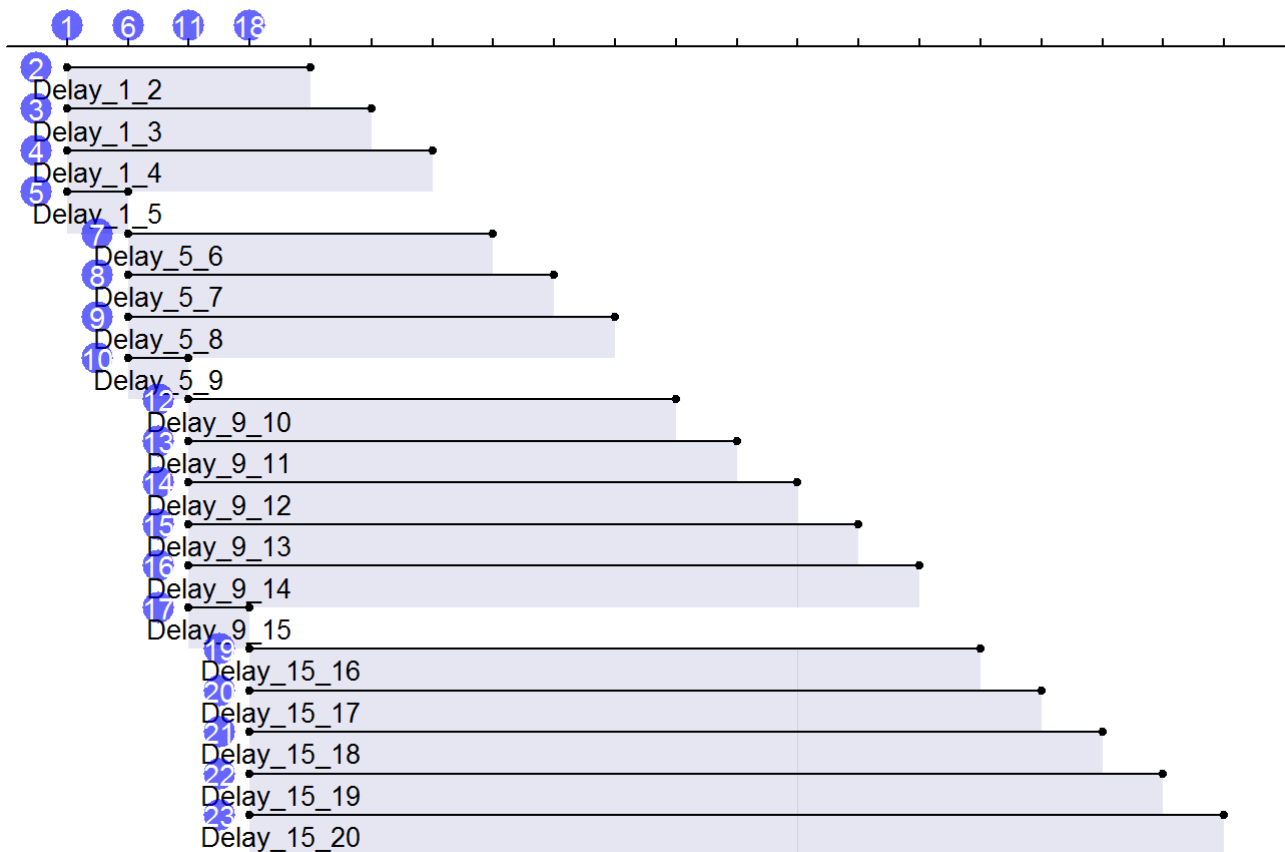
N : 1 -> 14

Long Action

Done

plot(vi@book)

Action1 Action5 Action9 Action15 Action20 Action2 Action3 Action4 Action6 Action7 Action8 Action10 Action11 Action12 Action13 Action14 Action16 Action17 Action18 Action19 Action20



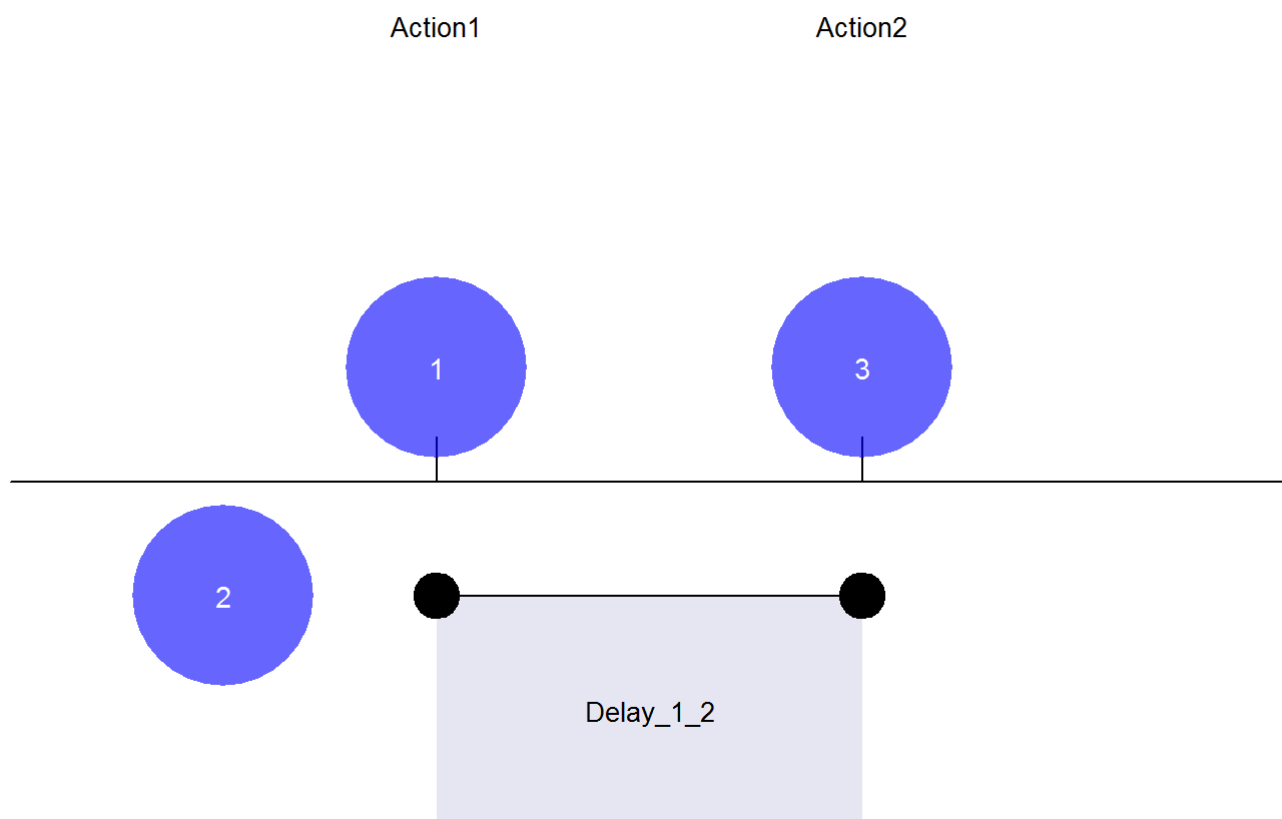
```
book <- read.csv("C:/Users/MED1NOGHR16/Desktop/ViSiElse/TESTDEV/TEST_S2/data/bookvar4.csv", sep=";", na.strings="", stringsAsFactors=FALSE)
data <- as.data.frame(cbind(seq(1,9), c(4,4,4,5,5,5,6,6,6), c(10,9,11,10,9,11,10,9,11) ))
colnames(data) <- c("id" ,book$vars[which(book$typeA == "p")])
library(ViSiElse)
```

Jeu de Donnée 1

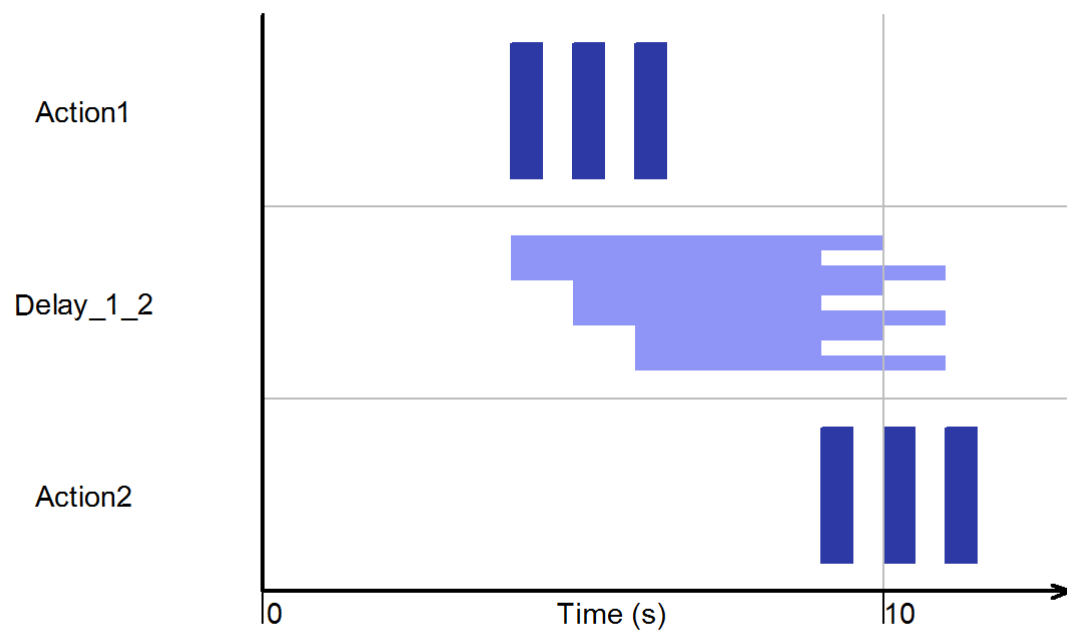
```
vi <- visielse( X=data, book=book, pixel= 0.5, informer=NULL, doplot=FALSE)
```

```
## Warning in .local(.Object, ...): No green zone defined for punctuals actions
##
```

```
plot(vi@book)
```



```
plot(vi)
```

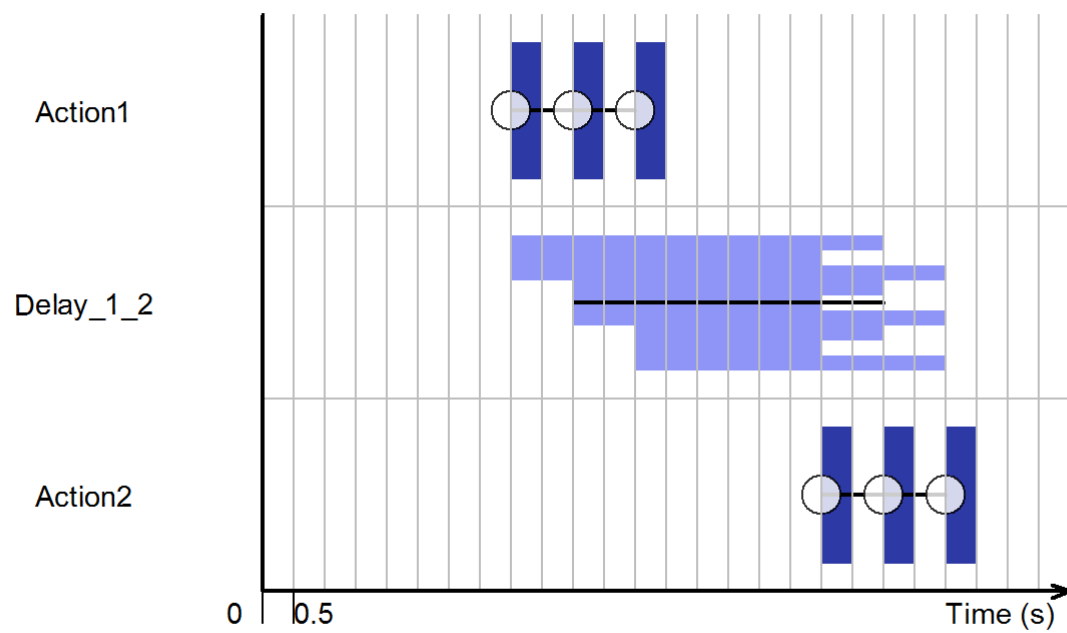



Punctual Action
N : 1 -> 3

Long Action
Done

```
vi <- visielse( X=data, book=book, pixel= 0.5)
```

```
## Warning in .local(.Object, ...): No green zone defined for punctuals actions
##
```



Punctual Action

N : 1 -> 3

Median Q1-Q3

Median of the span

Done

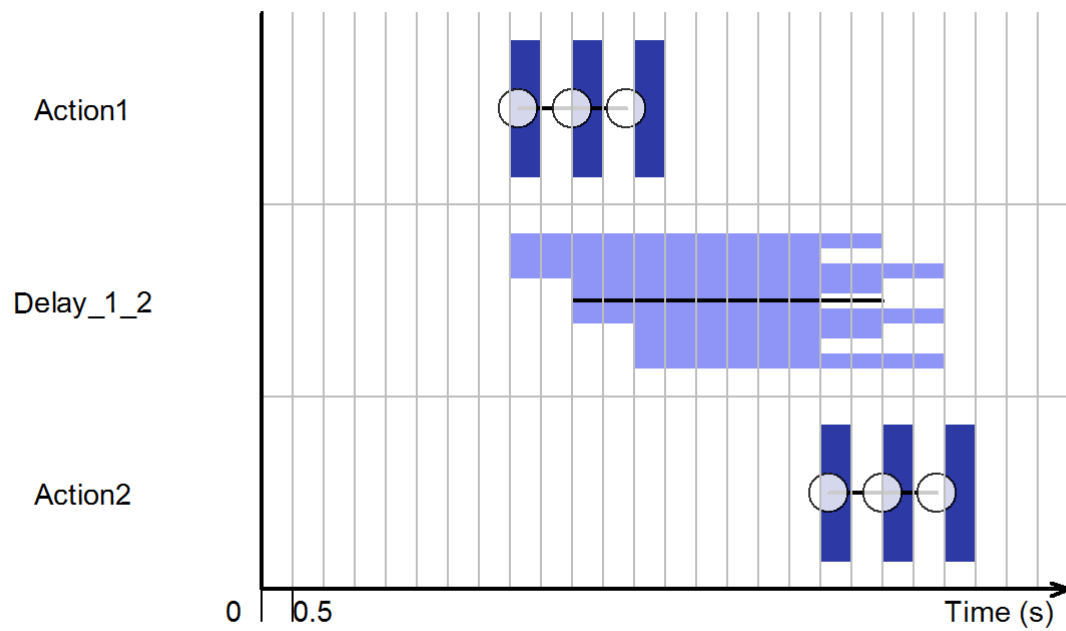
Long Action

Done

Median of the span

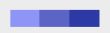
```
vi <- visielse( X=data, book=book, pixel= 0.5 , informer = "mean")
```

```
## Warning in .local(.Object, ...): No green zone defined for punctuals actions
##
```

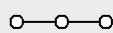


Punctual Action

N: 1 -> 3



Mean +/- sd



Long Action

Done



Mean of the span



```
group <- c(1,1,1,1,1,1,2,2,2)
```

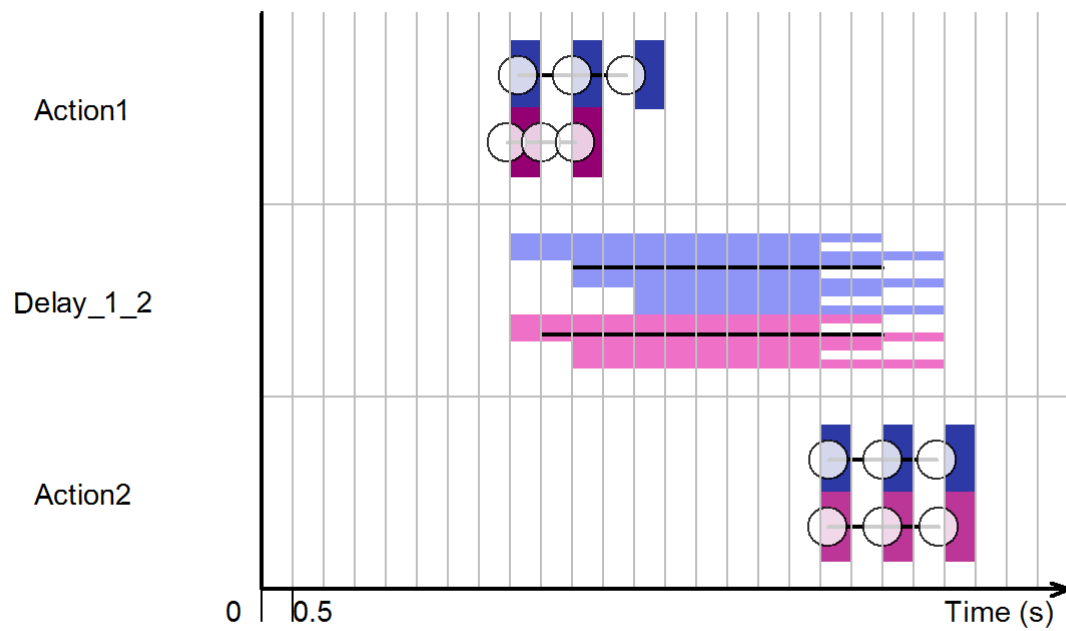
```
vi <- visielse( X=data, book=book, group=group, method= "within", pixel= 0.5 , informer = "mean")
```

```
## Warning in .local(.Object, ...): No green zone defined for punctuals actions
##
```

```
## Warning in wilcox.test.default(x[which(group == levels(group)[1])],
## x[which(group == : cannot compute exact p-value with ties
```

```
## Warning in wilcox.test.default(x[which(group == levels(group)[1])],
## x[which(group == : cannot compute exact p-value with ties
```

```
## Warning in wilcox.test.default(x[which(group == levels(group)[1])],
## x[which(group == : cannot compute exact p-value with ties
```



Punctual Action

N : 1 -> 3

Group All

Group 1

Mean +/- sd

○—○—○

Long Action

Group All

Group 1

Mean of the span

Done

●

Done

●

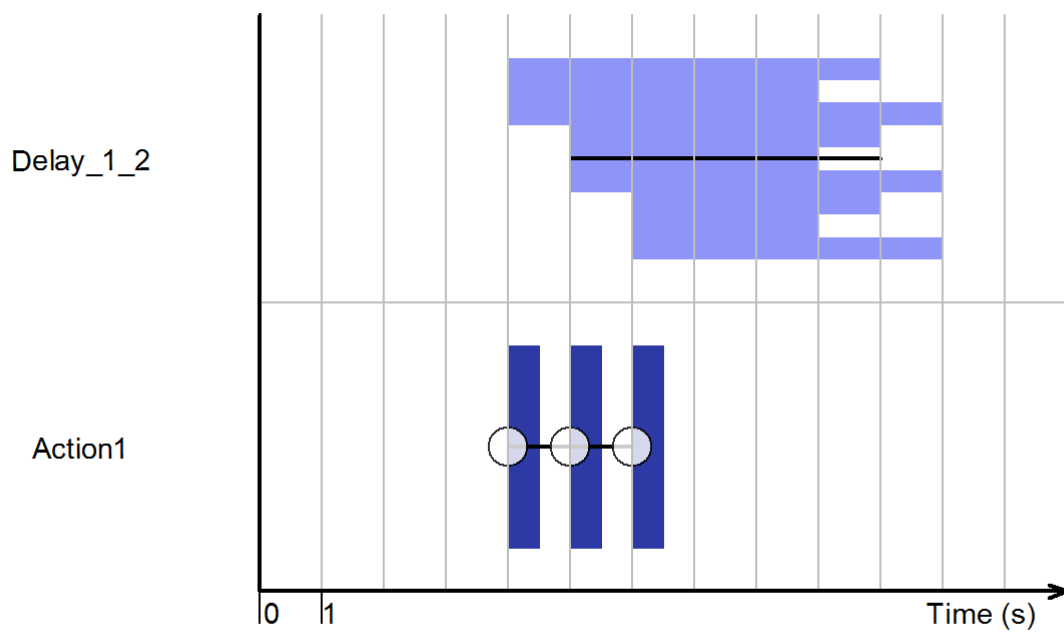
—

En changant d'ordre

```
book$showorder <- c(2,NA,1)
vi <- visielse( X=data, book=book, pixel = 0.5, doplot = FALSE)
```

```
## Warning in .local(.Object, ...): No green zone defined for punctuals actions
##
```

```
plot( vi, scal.unit.tps = 1)
```

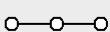


Punctual Action

N : 1 -> 3



Median Q1-Q3



Long Action

Done



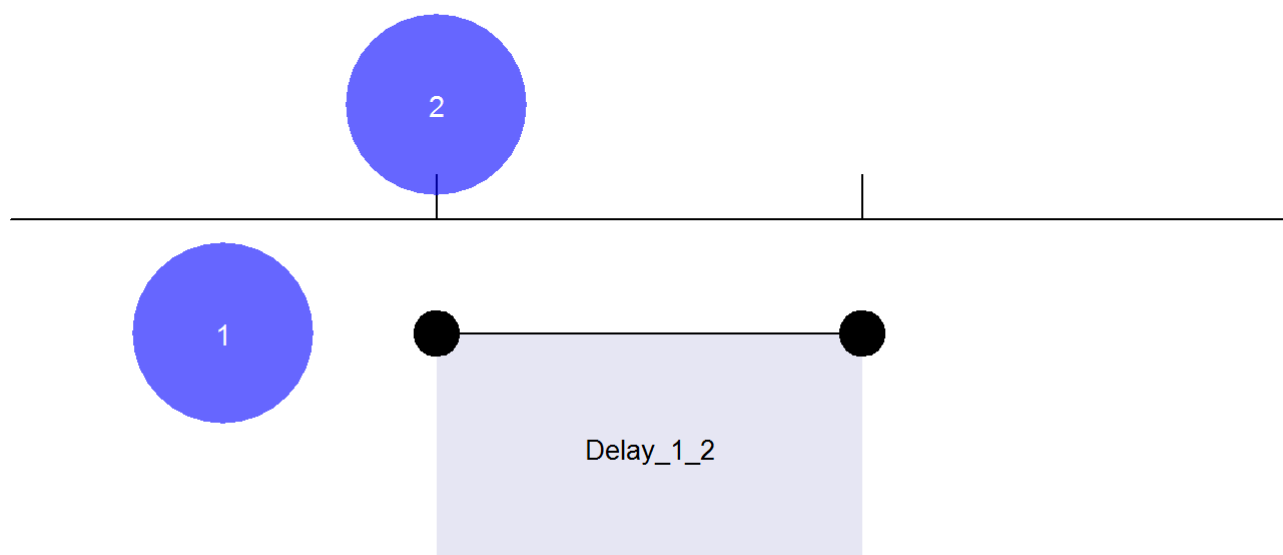
Median of the span



```
plot(vi@book)
```

Action1

Action2



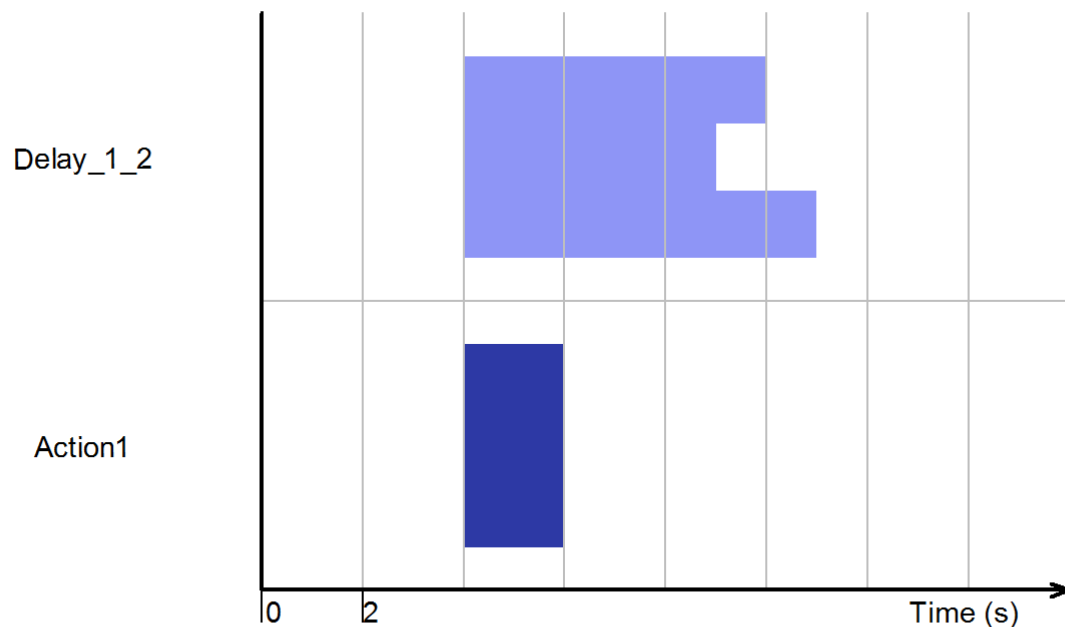
En prenant un sous ensemble des datas

```
data<-data[c(1,2,3),]  
data
```

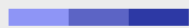
```
##   id Action1 Action2  
## 1  1      4     10  
## 2  2      4      9  
## 3  3      4     11
```

```
vi <- visielse( X=data, book=book, pixel= 2, informer=NULL)
```

```
## Warning in .local(.Object, ...): No green zone defined for punctuals actions  
##
```



Punctual Action
N : 1 -> 3

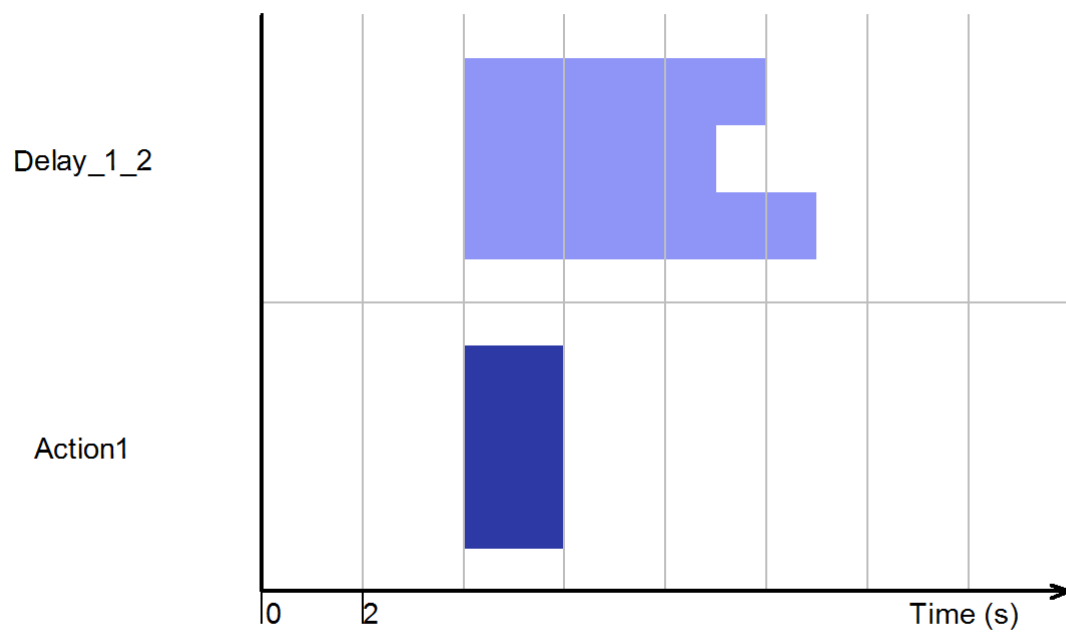


Long Action

Done



```
plot(vi, scal.unit.tps = 2)
```



Punctual Action
N : 1 -> 3



Long Action

Done



data

```
##   id Action1 Action2
## 1  1      4      10
## 2  2      4       9
## 3  3      4      11
```

vi@MATp

```
## 2 x 9 sparse Matrix of class "dgCMatrix"
##
## [1,] . . 3 . . . . .
## [2,] . . . . 1 2 . . .
```