Travaux dirigés pour l'introduction au logiciel R

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Things are sometimes different than they appear

```
"peace" + "and" + "love"
```

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error! Mais si on change ll'operateur plus. . .

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```r
"peace" + "and" + "love"
```

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```r
'+' <- function(x,y) {
  paste(x,y,sep=" ")
  }
"peace" + "and" + "love"
```

```
## [1] "peace and love"
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## [1] "peace and love"
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```
1 + 1
```

```
## [1] "1 1"
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'+' <- function(x,y) {
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```
## [1] "peace and love"
```

```
1 + 1
```

```
## [1] "1 1"
```

```
rm('+')
1+1
```
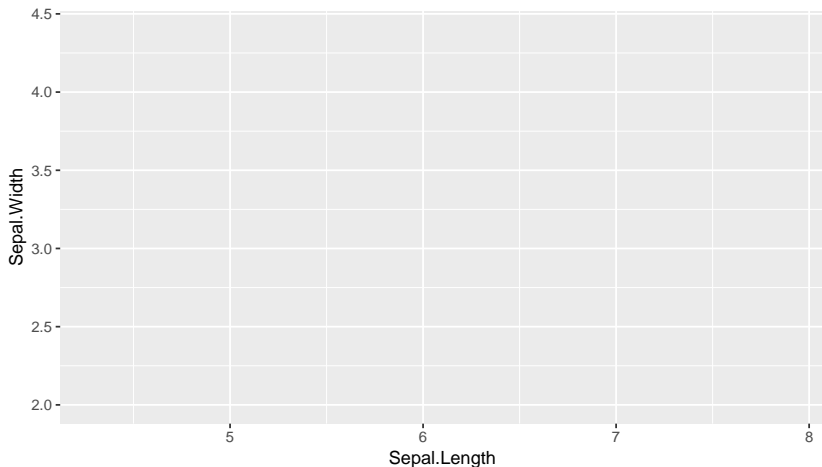
```
## [1] 2
```

préparation

Importation des données `iris`

```
data(iris)
```

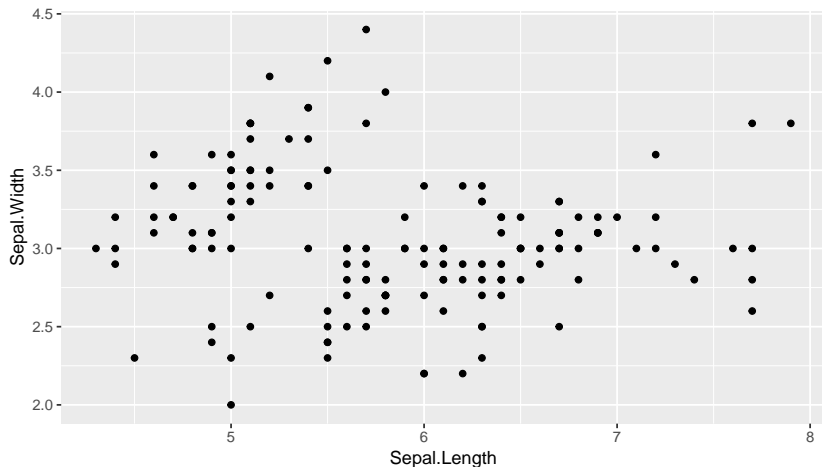|	Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
128	6.1	3.0	4.9	1.8	virginica
124	6.3	2.7	4.9	1.8	virginica
110	7.2	3.6	6.1	2.5	virginica
107	4.9	2.5	4.5	1.7	virginica
13	4.8	3.0	1.4	0.1	setosa
7	4.6	3.4	1.4	0.3	setosa

first plot

```
p <- ggplot(data=iris, aes(x=Sepal.Length, y=Sepal.Width))
p
```

and the data

```
p <- ggplot(data=iris, aes(x=Sepal.Length, y=Sepal.Width))
p + layer(geom="point", stat="identity", position="identity")
```

. . . shorder version

```r
p <- ggplot(data=iris, aes(x=Sepal.Length, y=Sepal.Width))
p + geom_point()
```