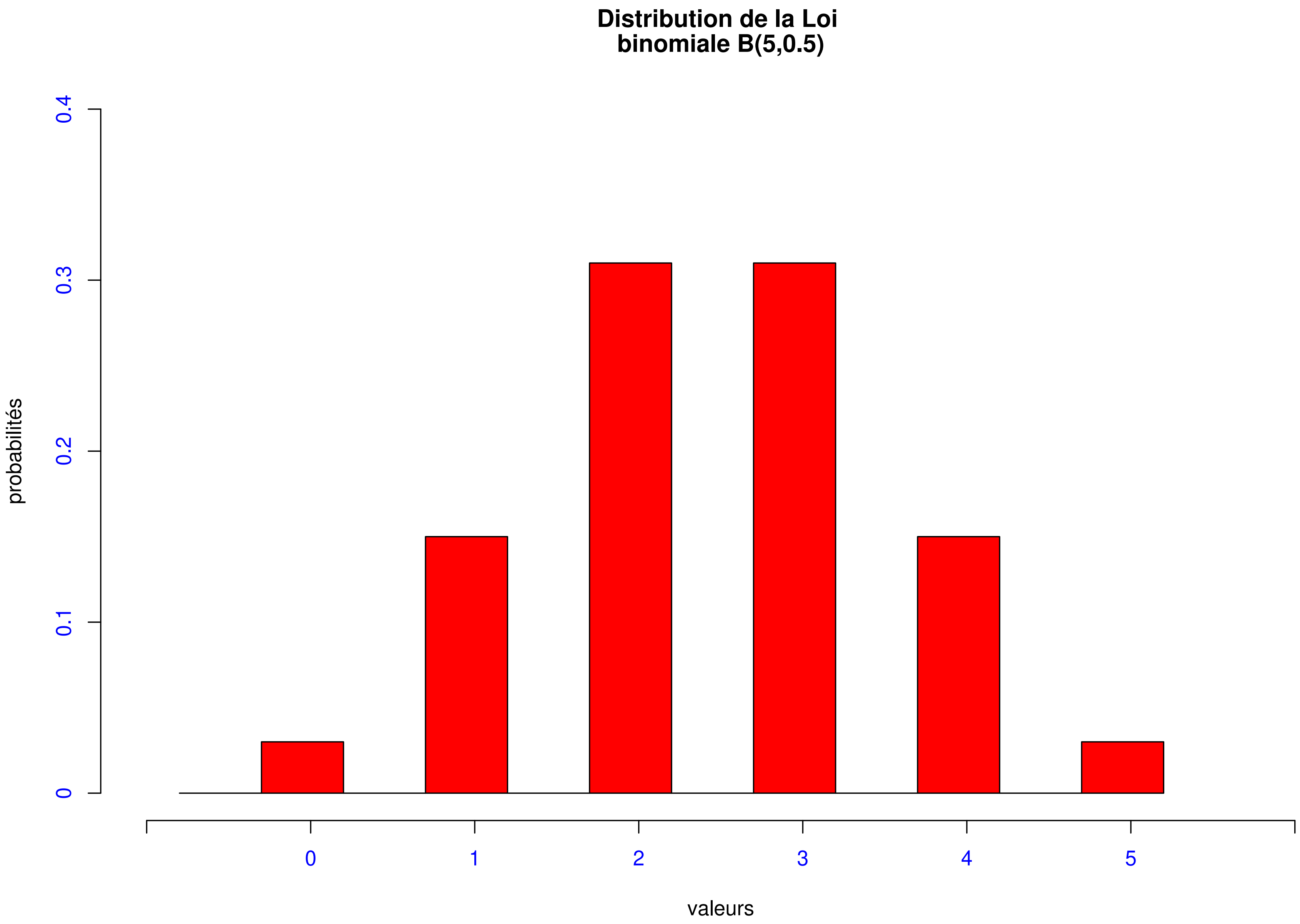
QUELQUES REPRESENTATIONS GRAPHIQUES

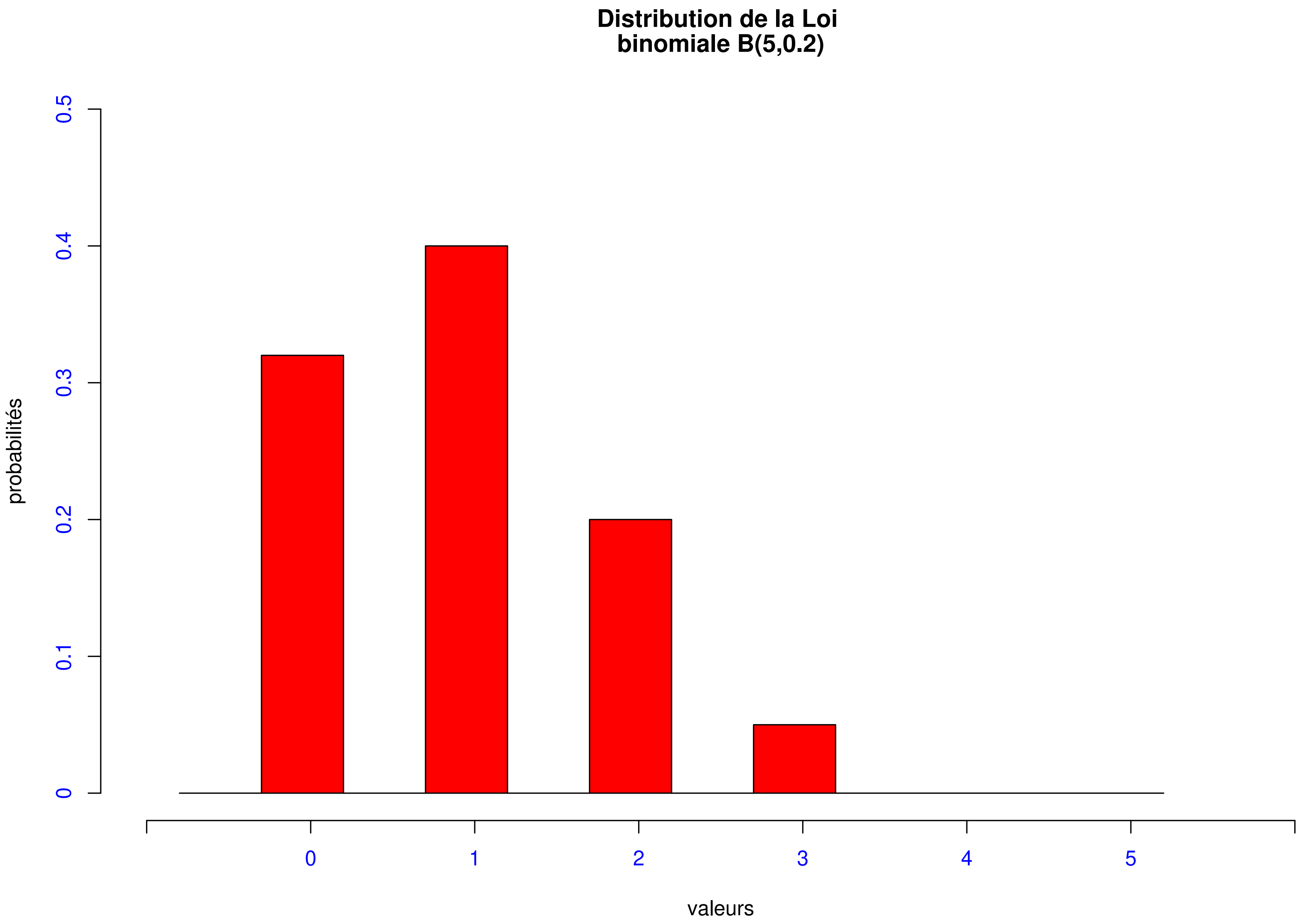
EN STATISTIQUES

(*Gilles Hunault*)

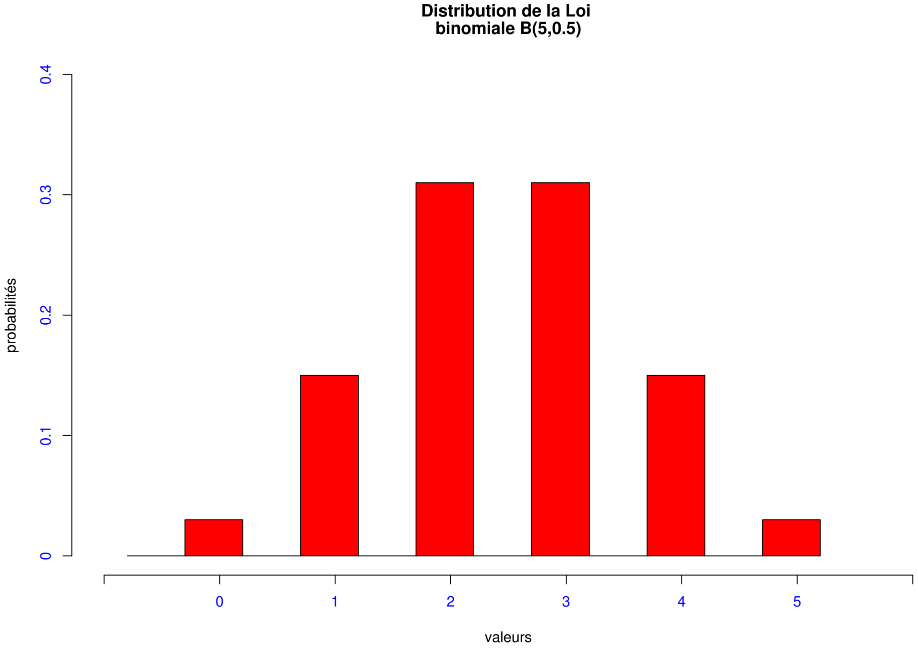
Histogramme probabiliste (1/3)

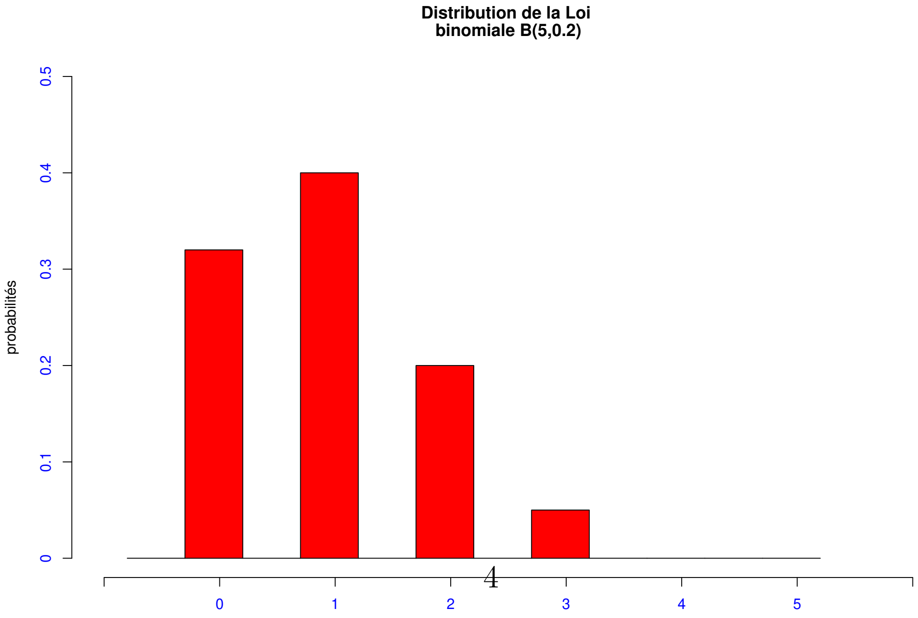


Histogramme probabiliste (2/3)

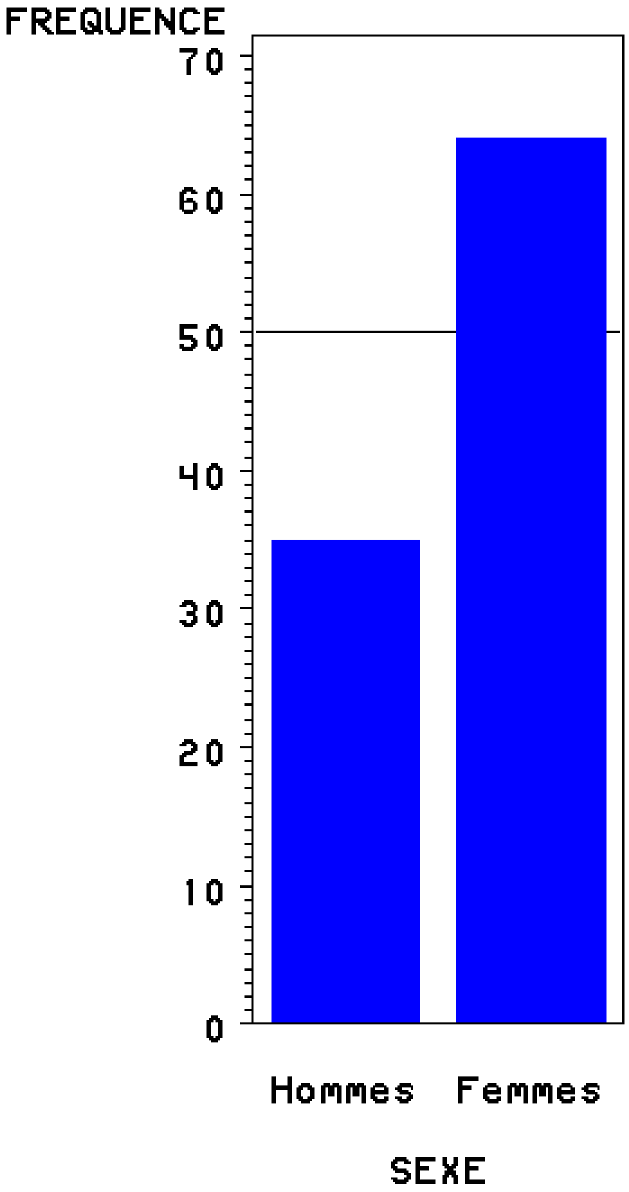


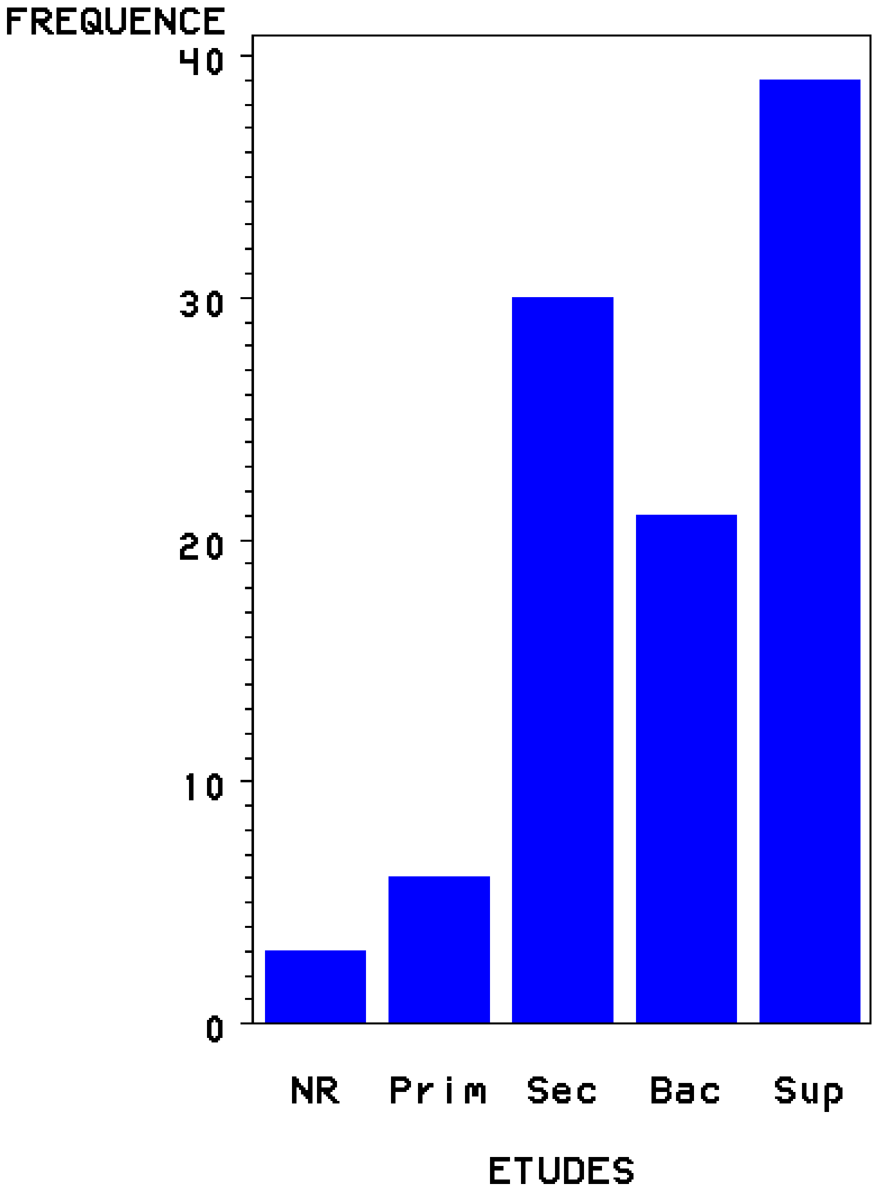
mieux : HistogrammeS probabilisteS (3/3)



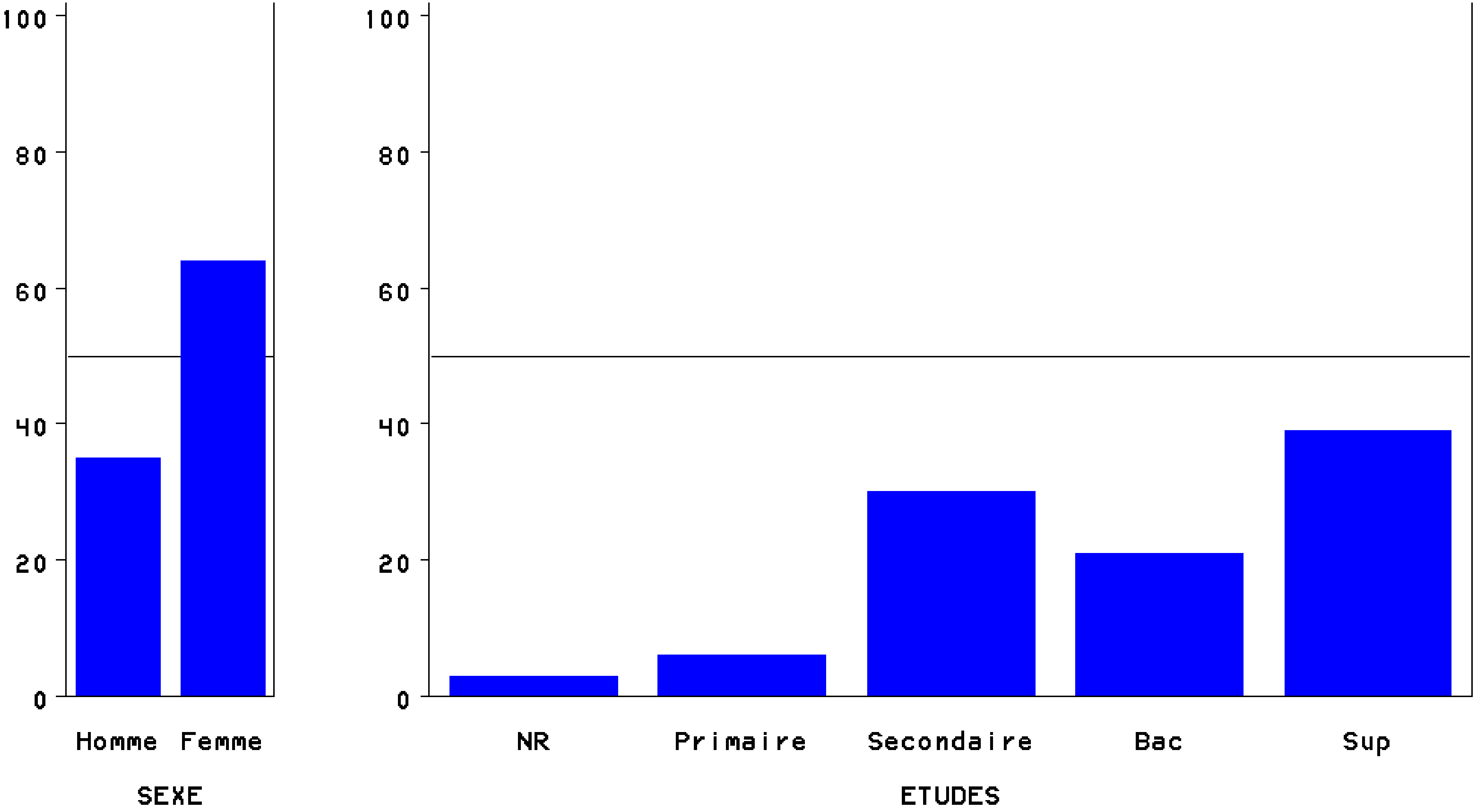


(Mauvais) Histogrammes de fréquences





(Bons) Histogrammes de fréquences

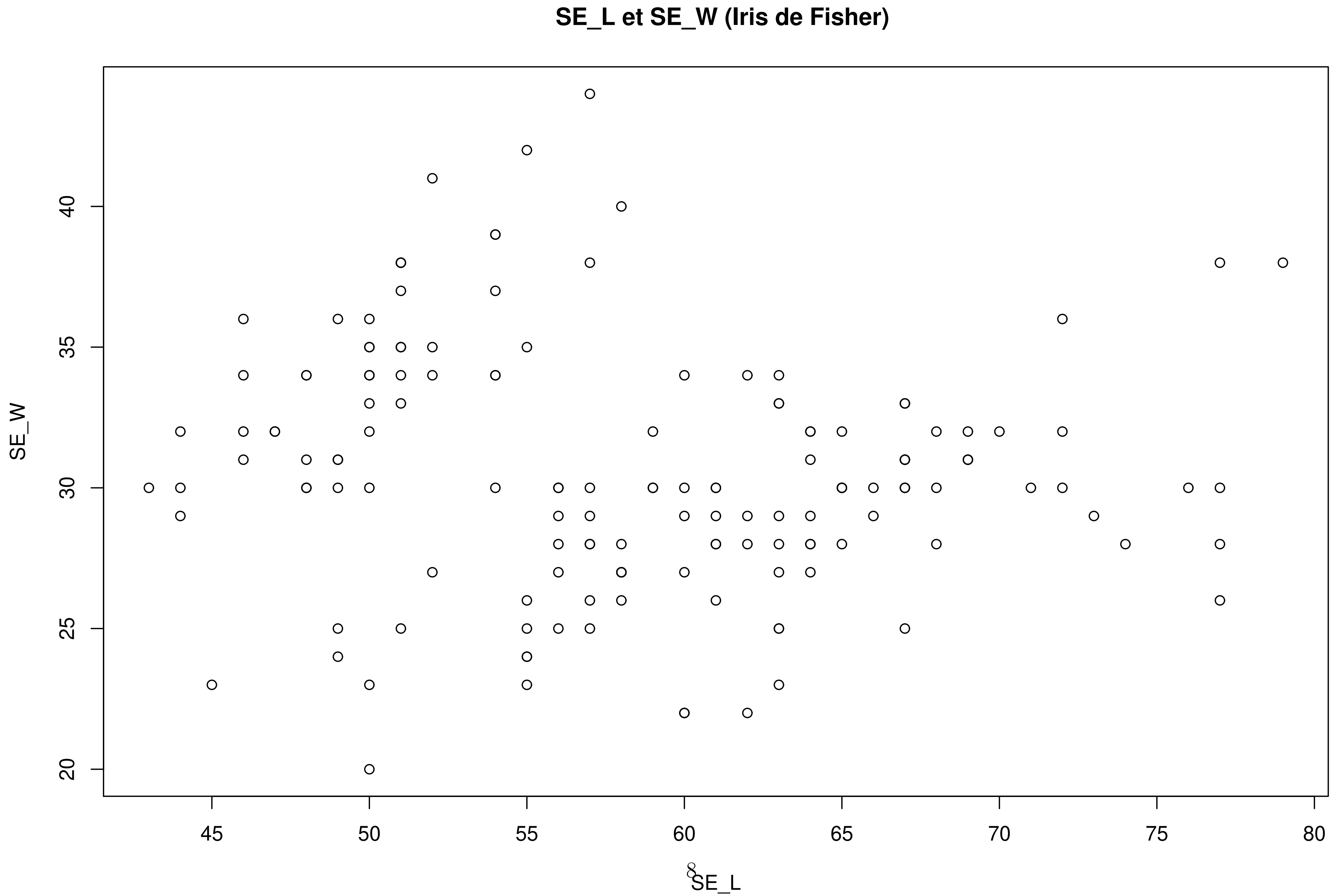


Dossier IRIS

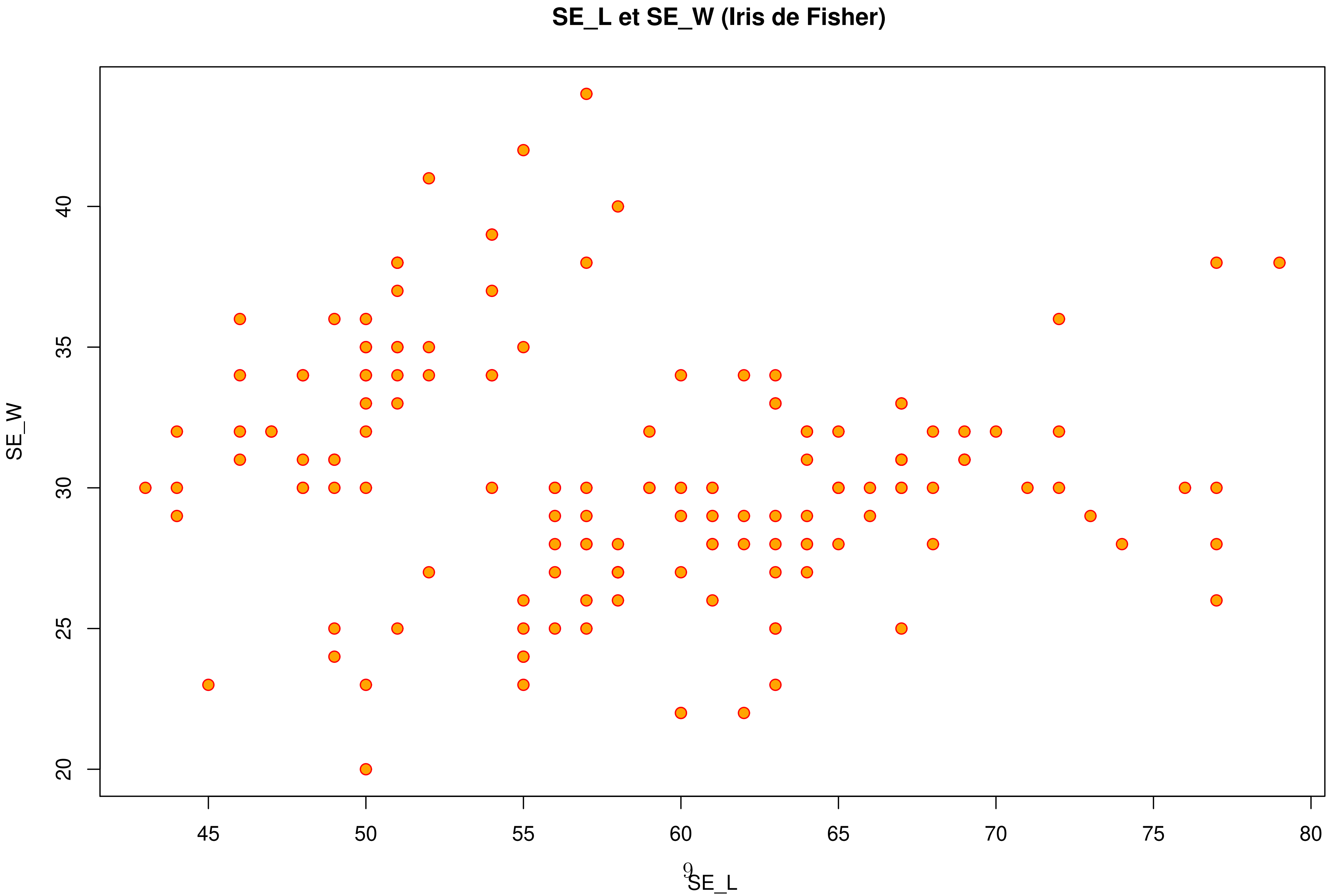
"Les iris de Fisher" sont des données proposées en 1933 par le statisticien Ronald Aylmer Fisher comme données de référence pour l'analyse discriminante et la classification. Les 150 lignes de données correspondent à 3 espèces de fleurs (Iris setosa, Iris virginica, Iris versicolor).

```
ESPECE           SE_L SE_W PE_L PE_W
i001_SETOSA       50   33   14    2
i002_VIRGINICA    64   28   56   22
i003_VERSICOLOR   65   28   46   15
i004_VIRGINICA    67   31   56   24
i005_VIRGINICA    63   28   51   15
i006_SETOSA       46   34   14    3
i007_VIRGINICA    69   31   51   23
i008_VERSICOLOR   62   22   45   15
i009_VERSICOLOR   59   32   48   18
i010_SETOSA       46   36   10    2
i011_VERSICOLOR   61   30   46   14
i012_VERSICOLOR   60   27   51   16
i013_VIRGINICA    65   30   52   20
i014_VERSICOLOR   56   25   39   11
i015_VIRGINICA    65   30   55   18
i016_VIRGINICA    58   27   51   19
i017_VIRGINICA    68   32   59   23
i018_SETOSA       51   33   17    5
i019_VERSICOLOR   57   28   45   13
i020_VIRGINICA    62   34   54   23
...
```

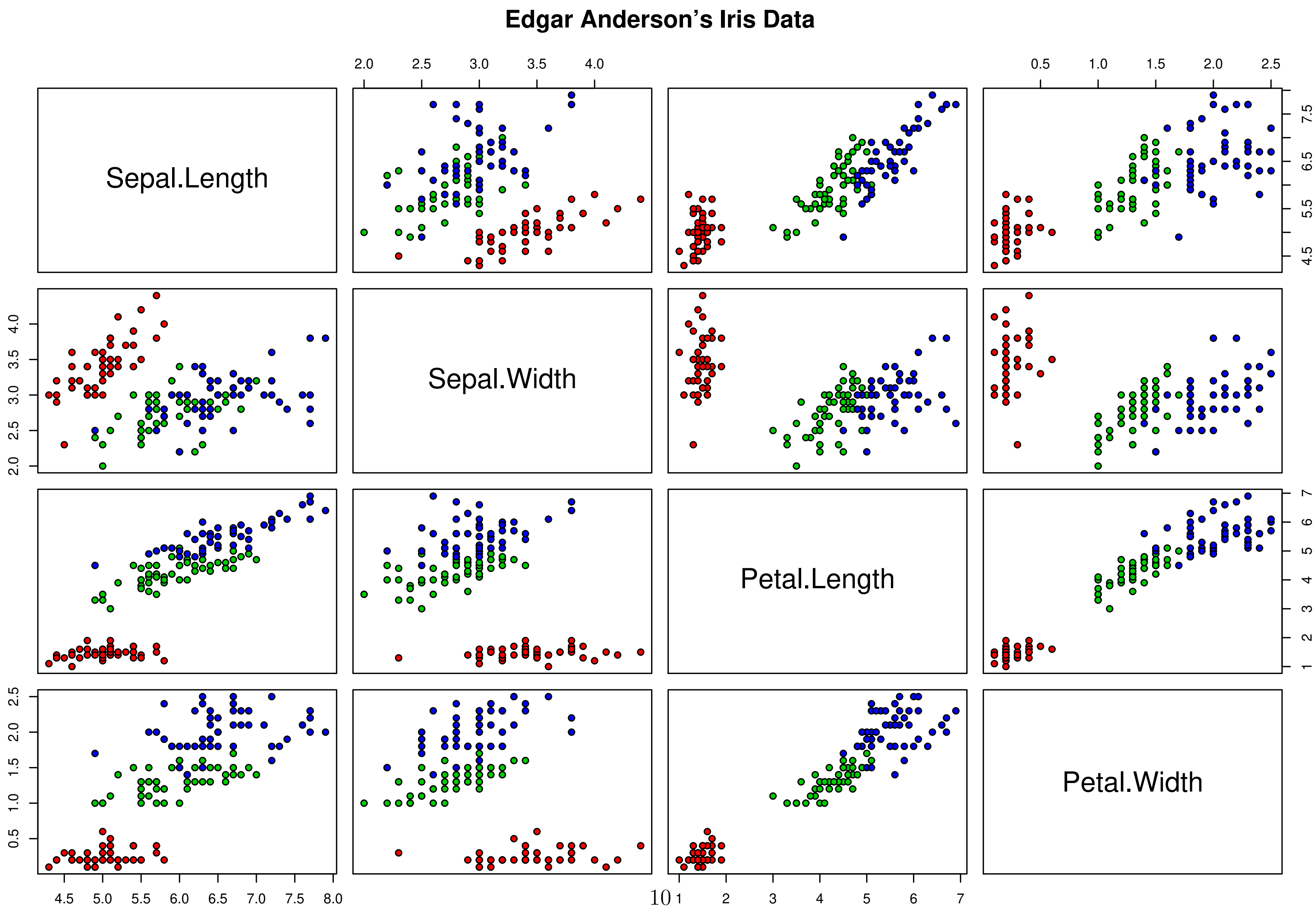
De la couleur, que diable ! (1/2)



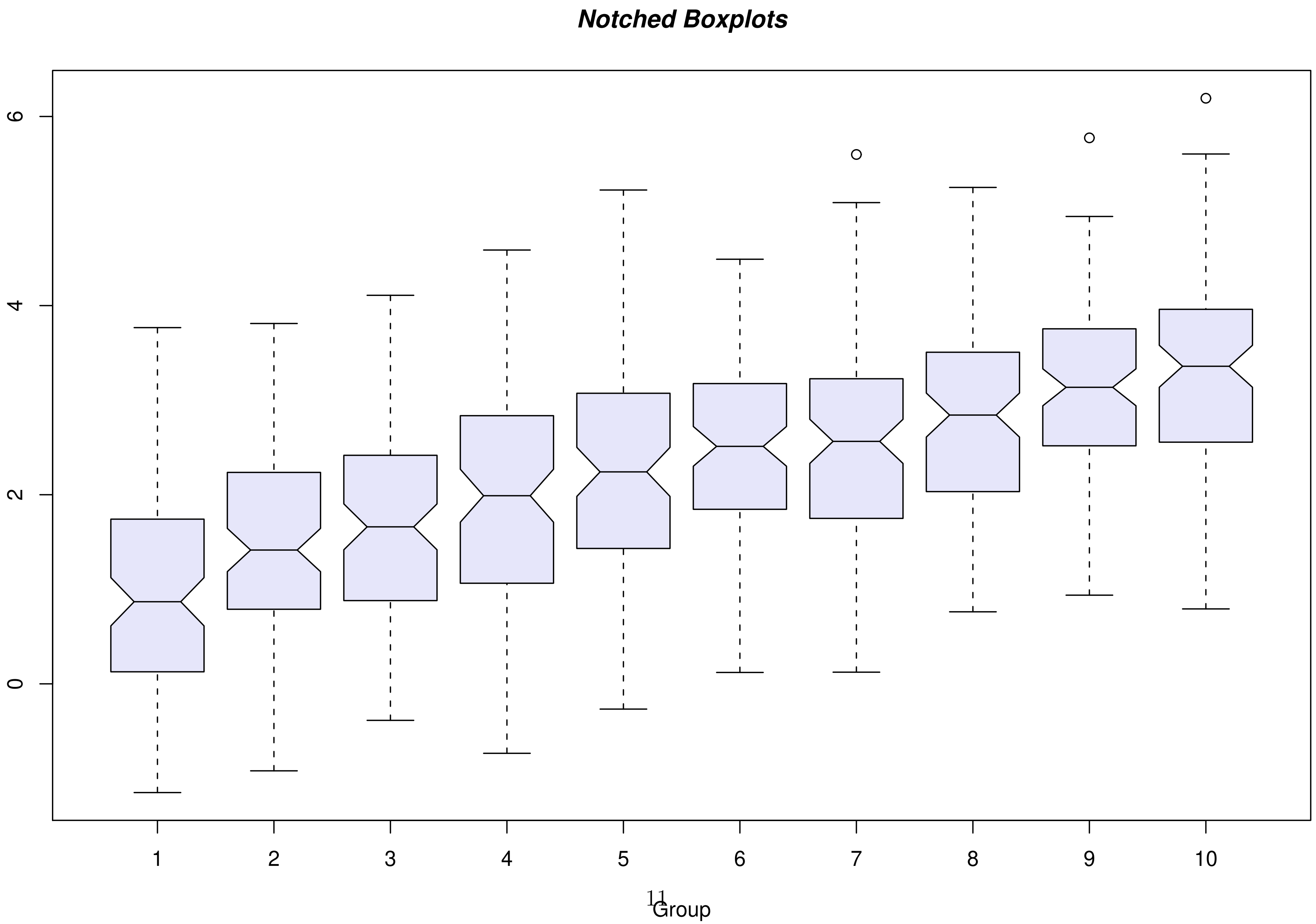
De la couleur, que diable ! (2/2)

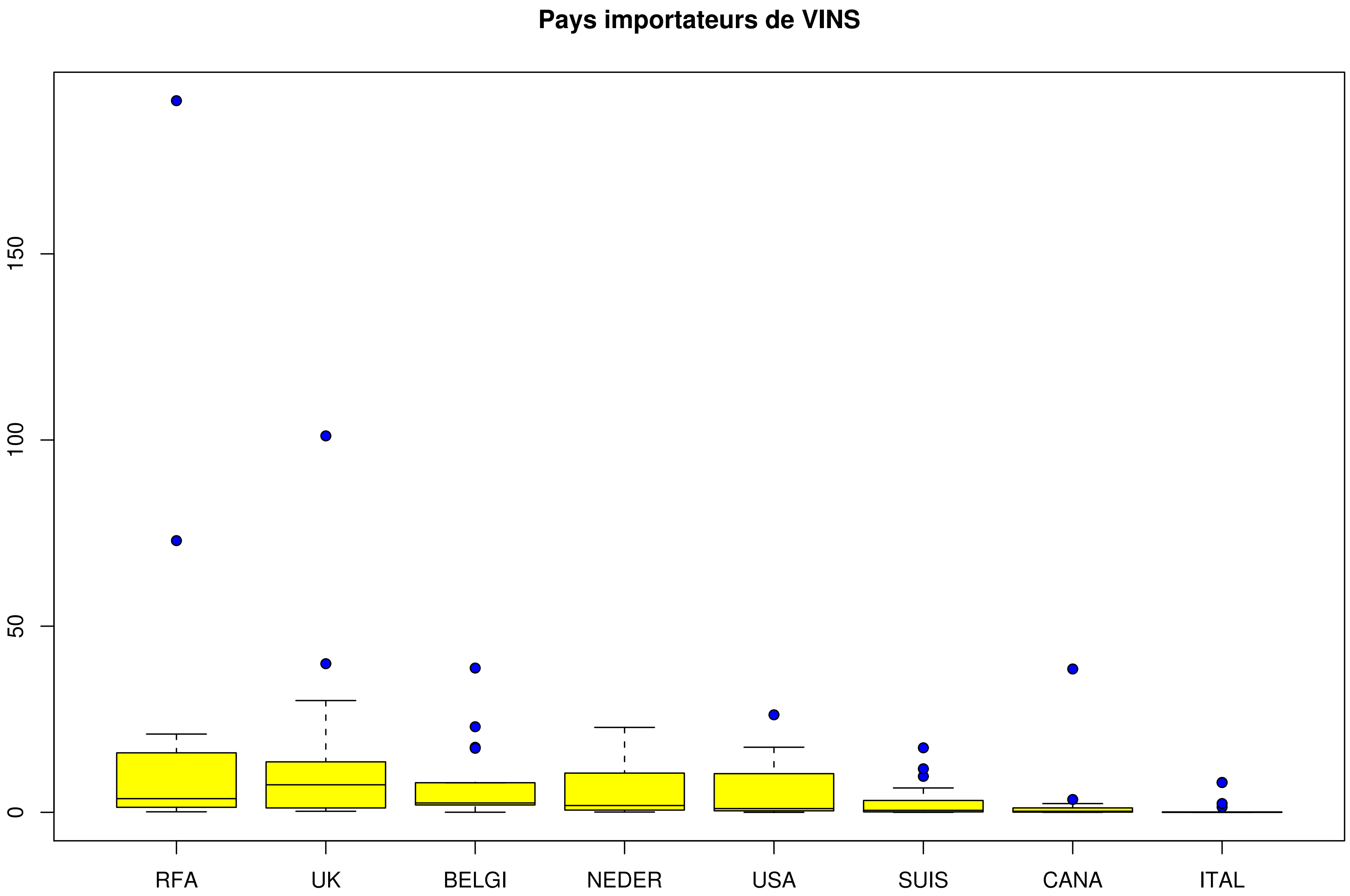


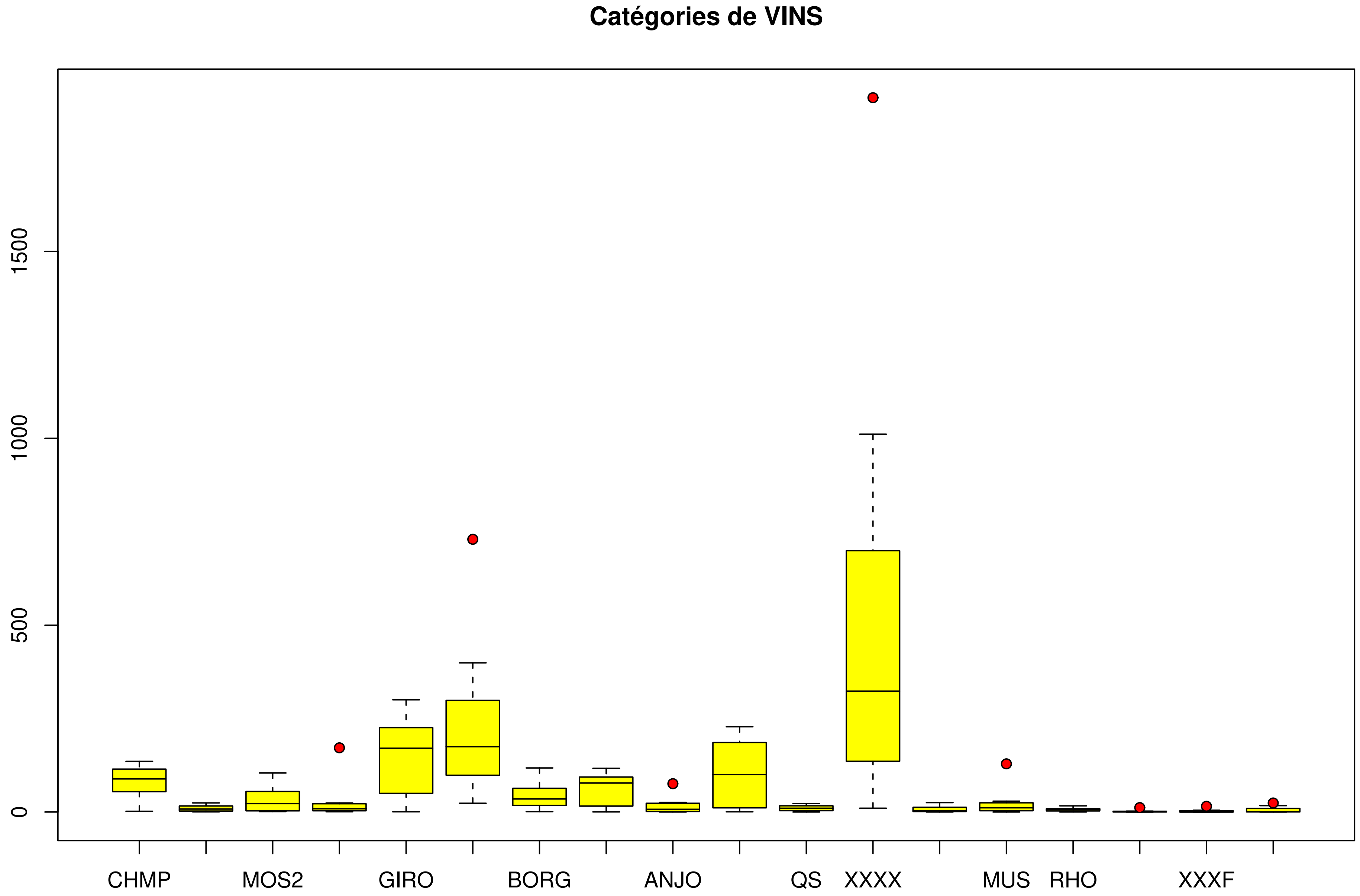
Graphiques par paires



Des "boites à moustaches"




Pays importateurs de VINS
0
50
100
150
RFA
UK
BELGI
NEDER
USA
SUIS
CANA
ITAL


Catégories de VINS
0
500
1000
1500
CHMP
MOS2
GIRO
BORG
ANJO
QS
XXXX
MUS
RHO
XXXF

Le "stem and leaf", un semi-graphique

Voici les ages pour le dossier ELF

```
1 | 1223455567778889999
2 | 0011222344555566667778888888999
3 | 0011123556799
4 | 0123446778899
5 | 0002239
6 | 0011222345
7 | 033368
```

Un pot pourri