

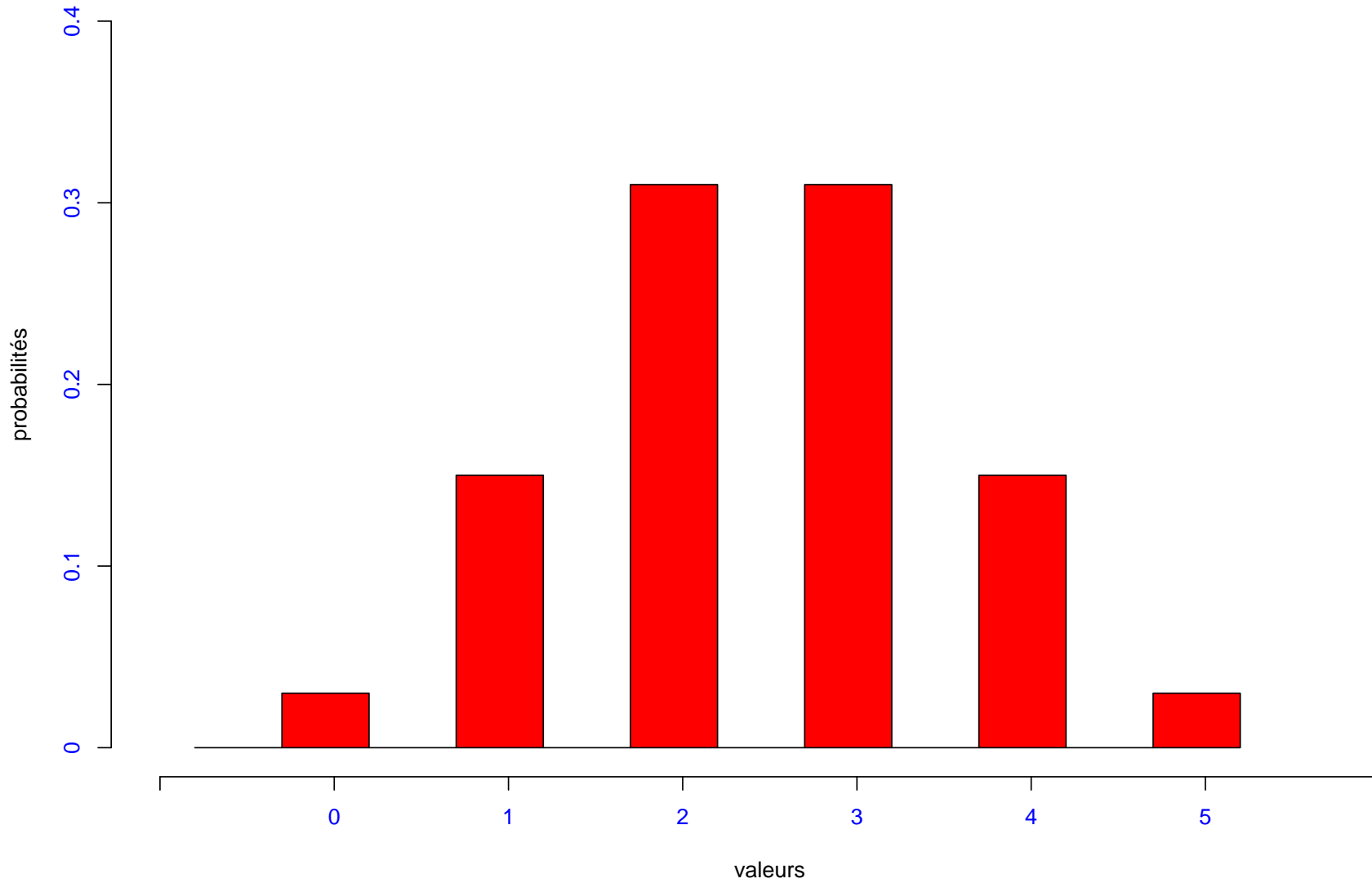
QUELQUES REPRESENTATIONS GRAPHIQUES

EN STATISTIQUES

(Gilles Hunault)

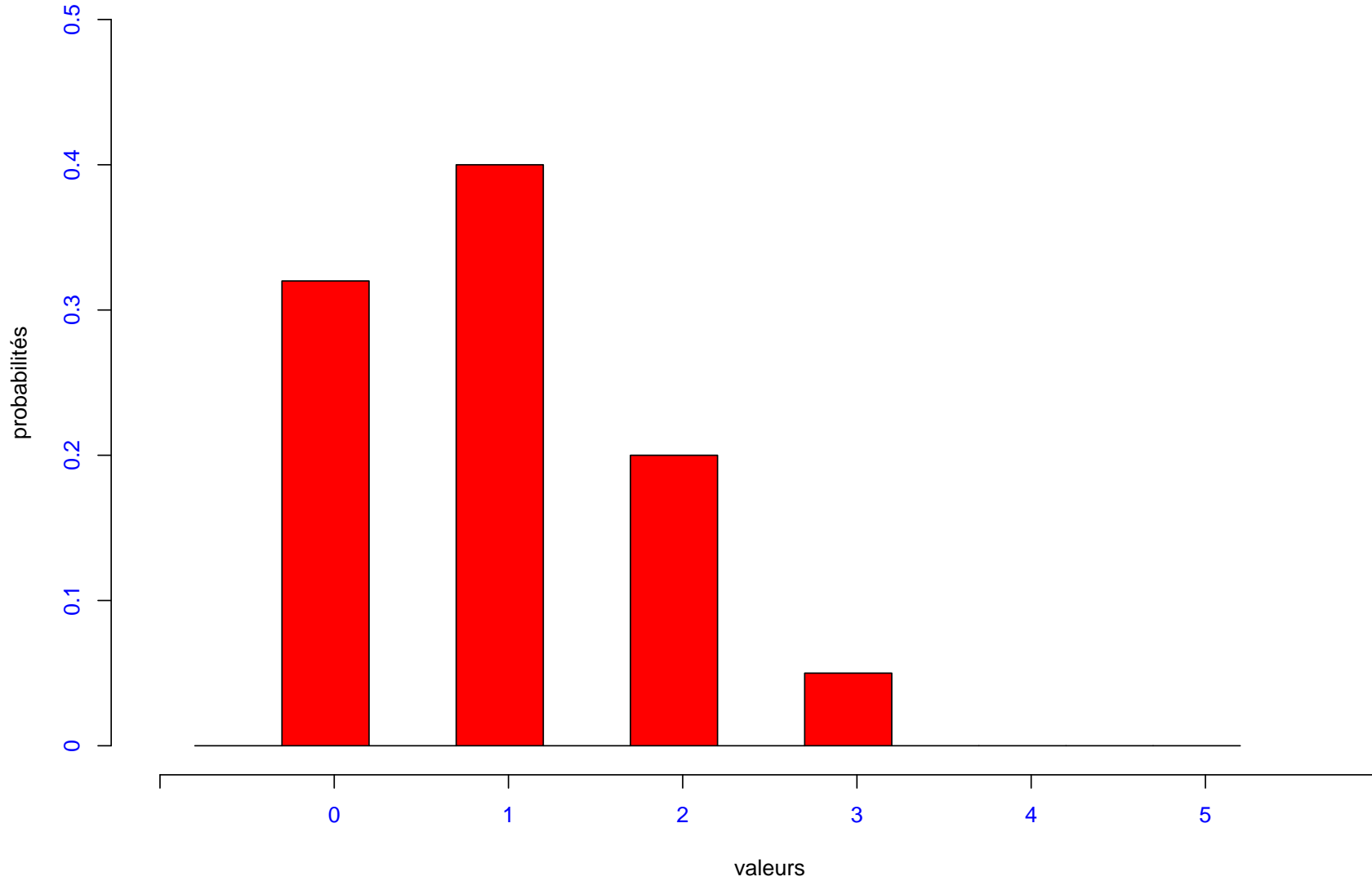
Histogramme probabiliste (1/3)

Distribution de la Loi
binomiale $B(5,0.5)$

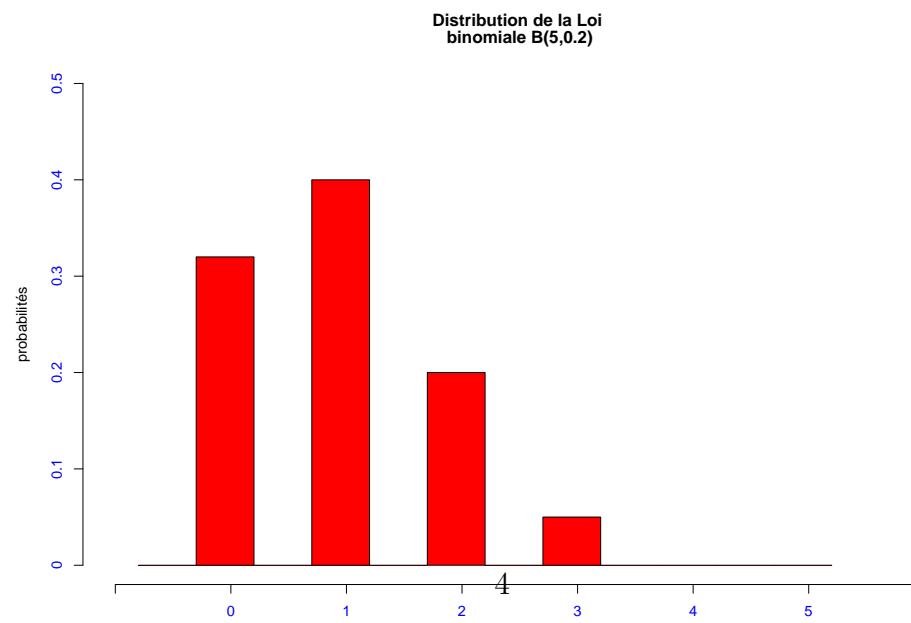
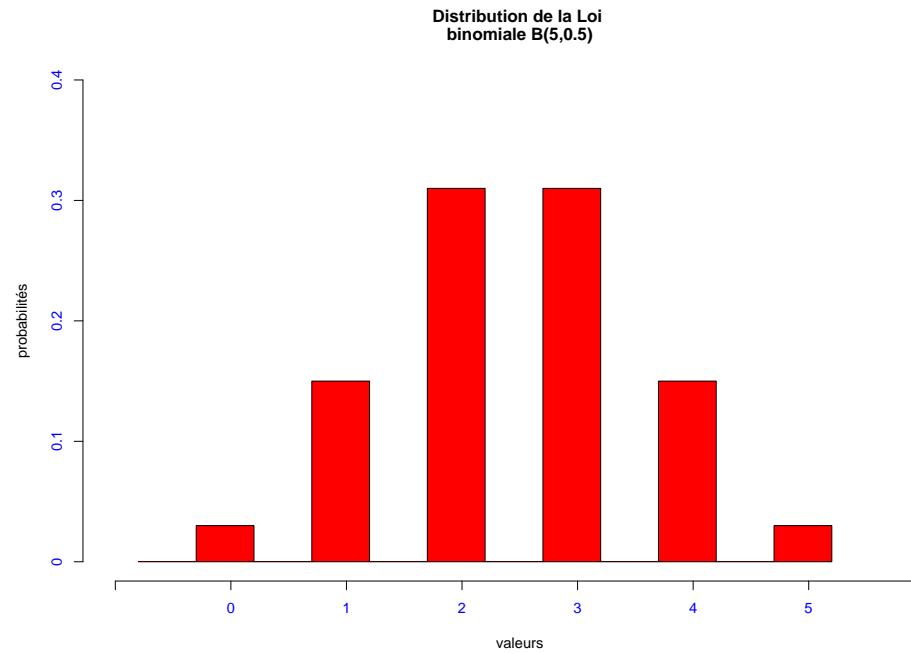


Histogramme probabiliste (2/3)

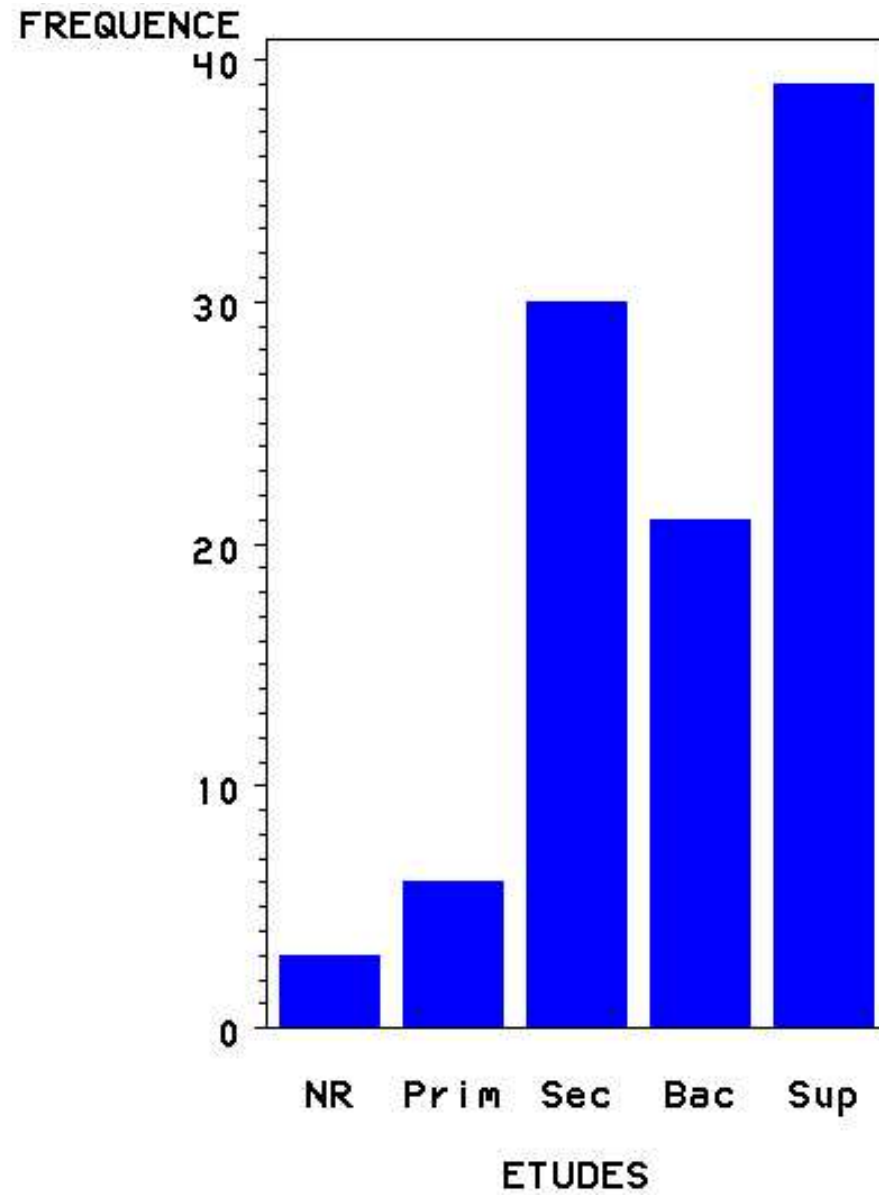
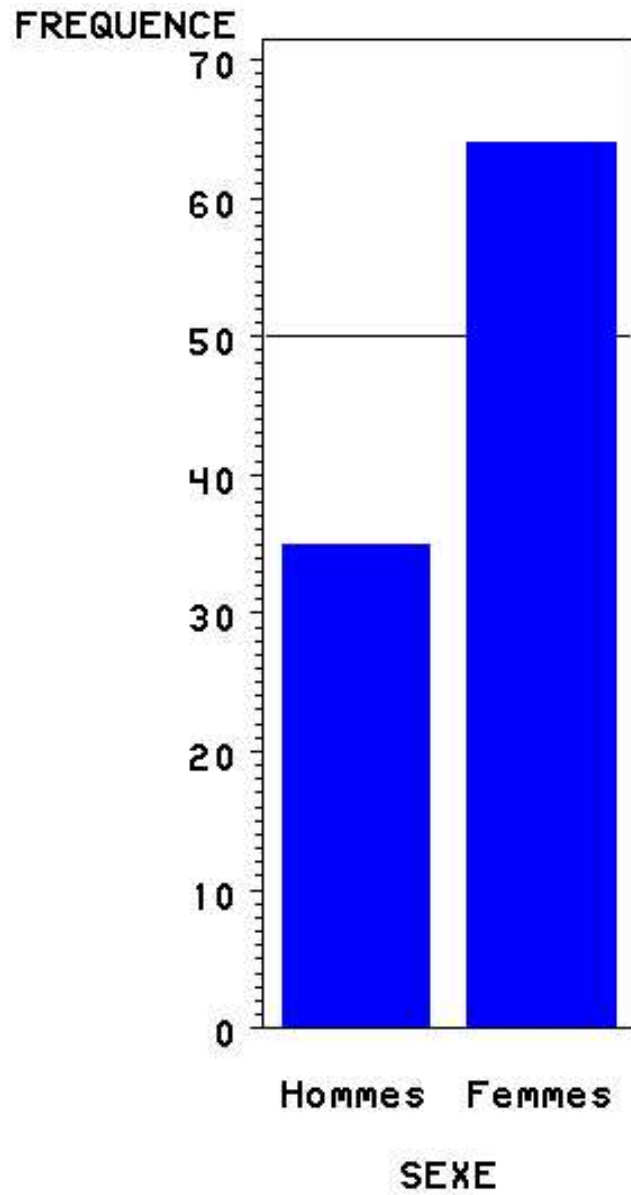
Distribution de la Loi
binomiale $B(5,0.2)$



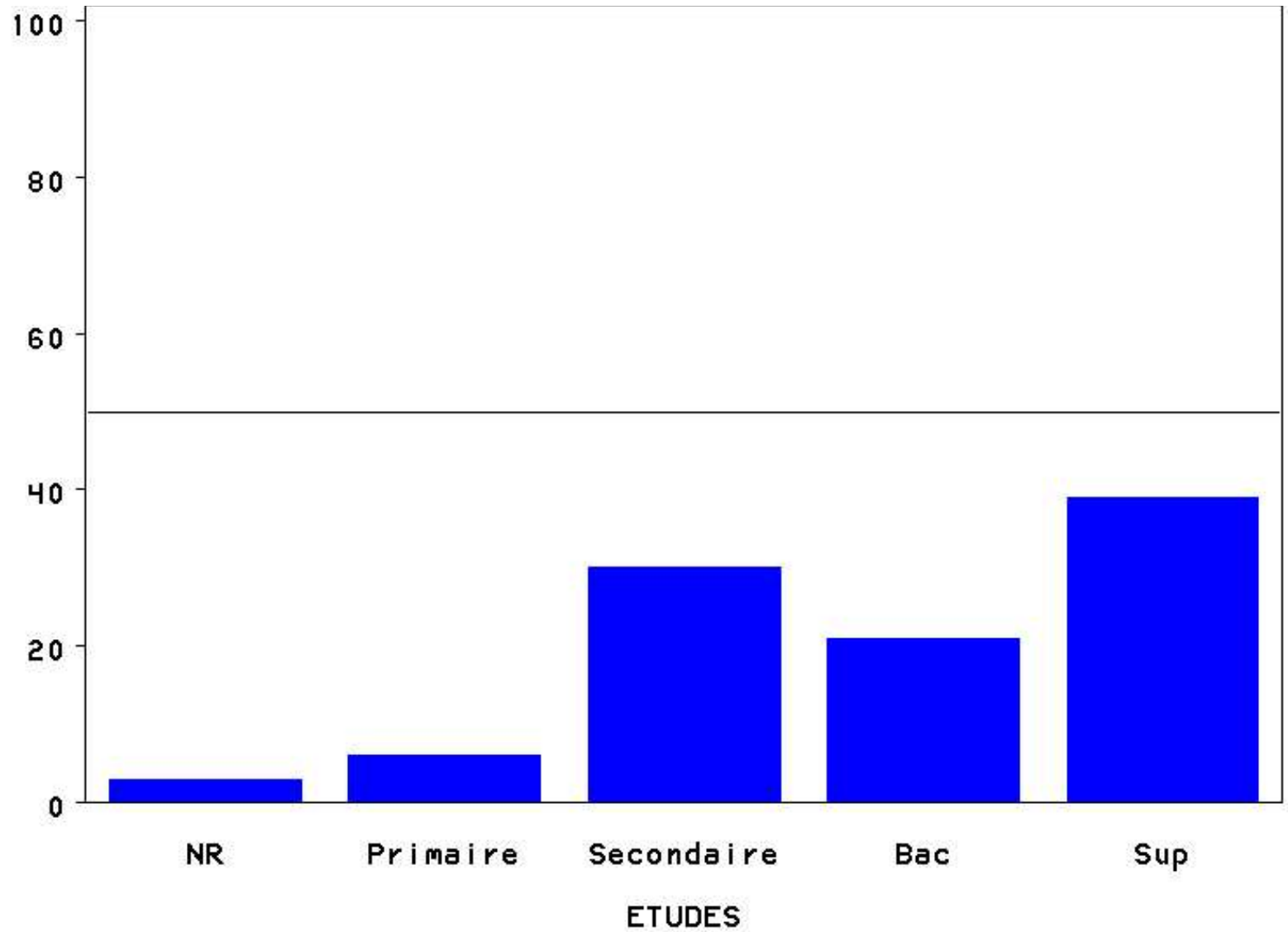
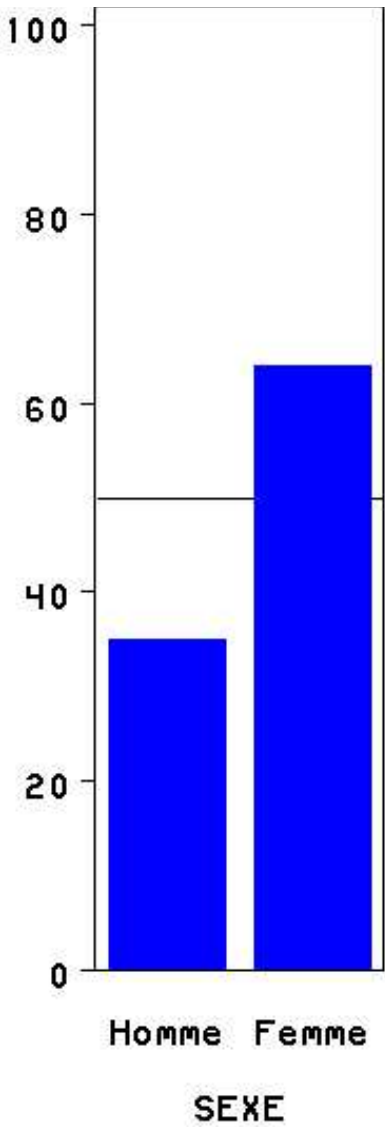
mieux : Histogrammes probabilistes (3/3)



(Mauvais) Histogrammes de fréquences



(Bons) Histogrammes de fréquences



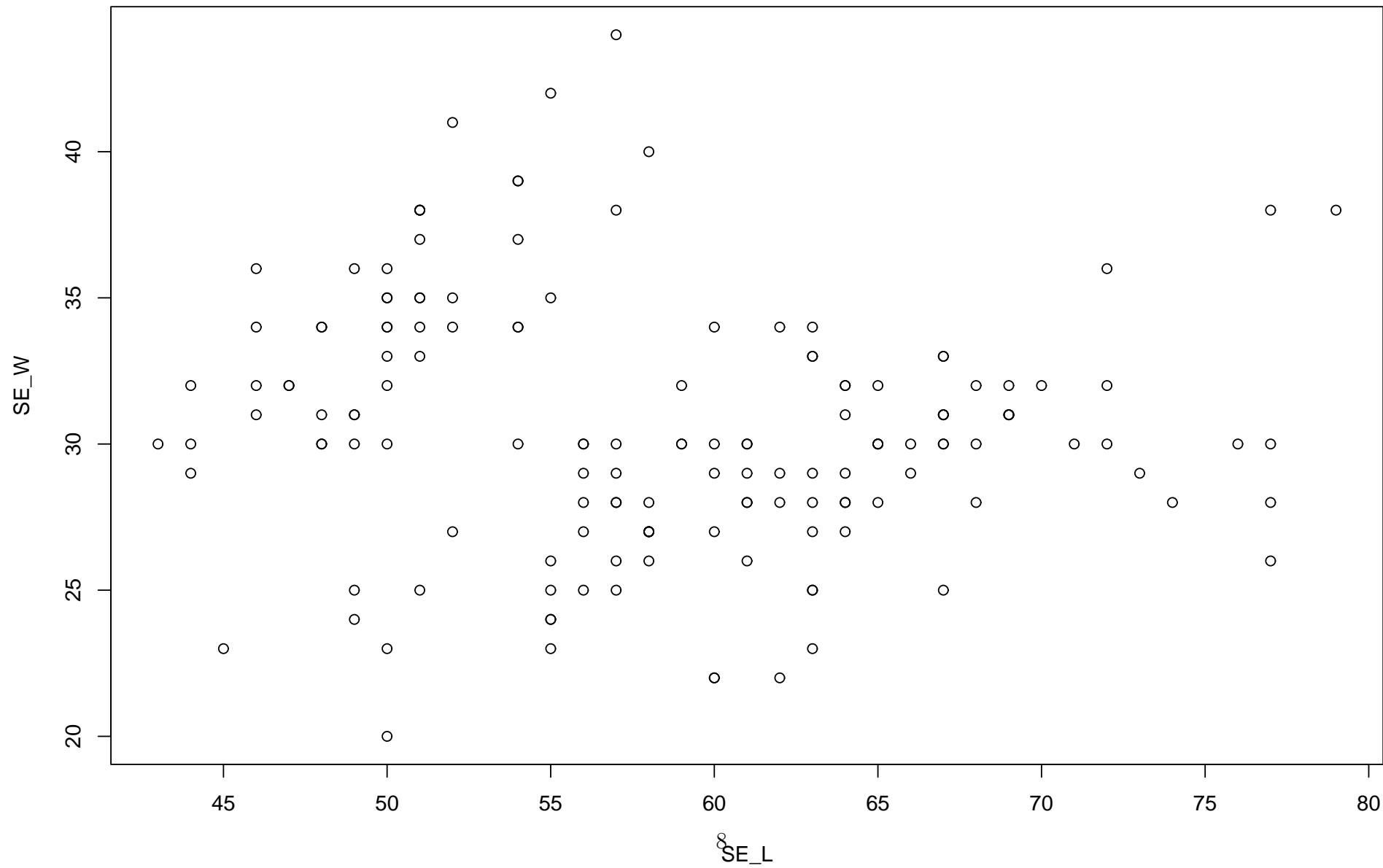
Dossier IRIS

"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
...				

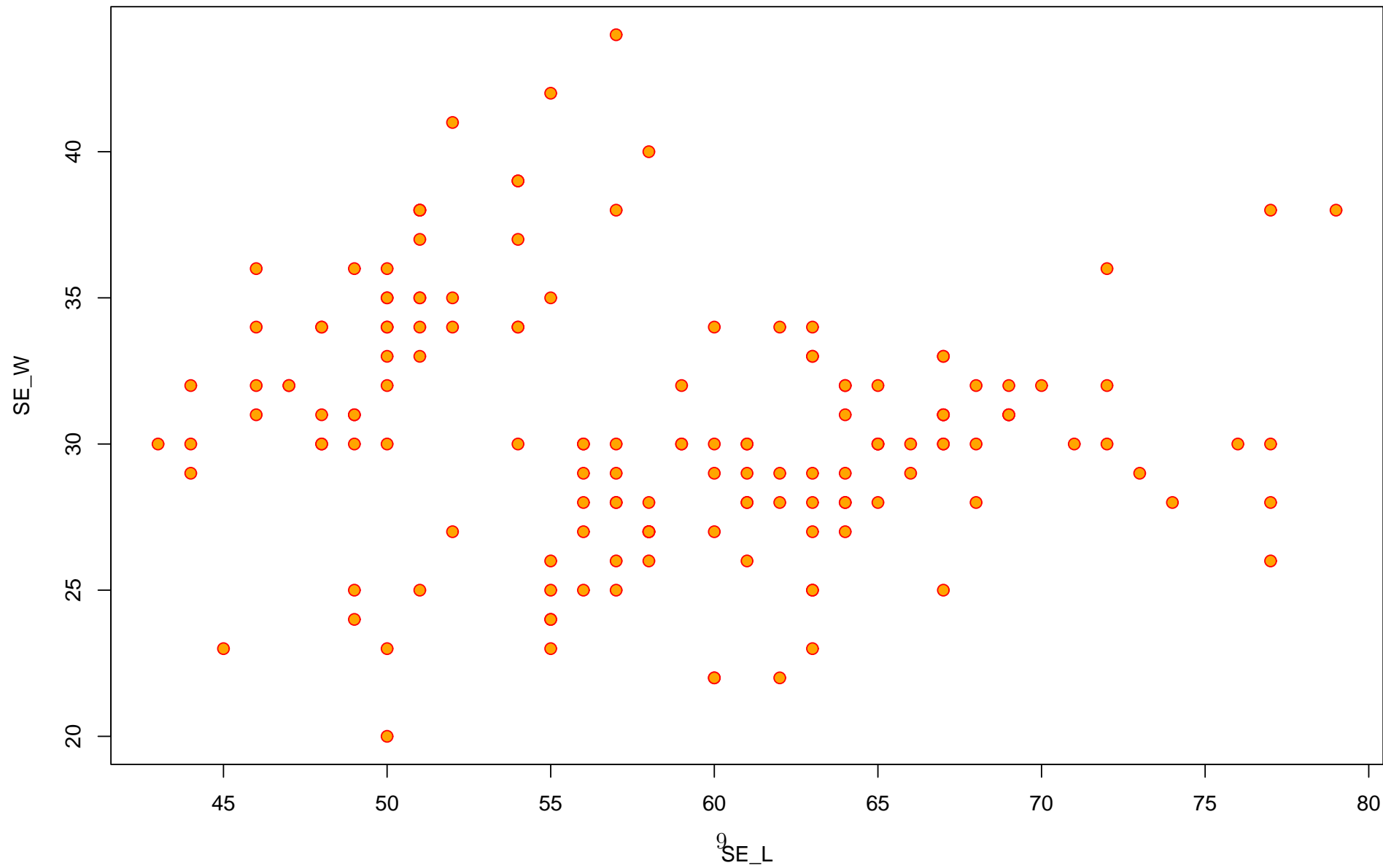
De la couleur, que diable! (1/2)

SE_L et SE_W (Iris de Fisher)



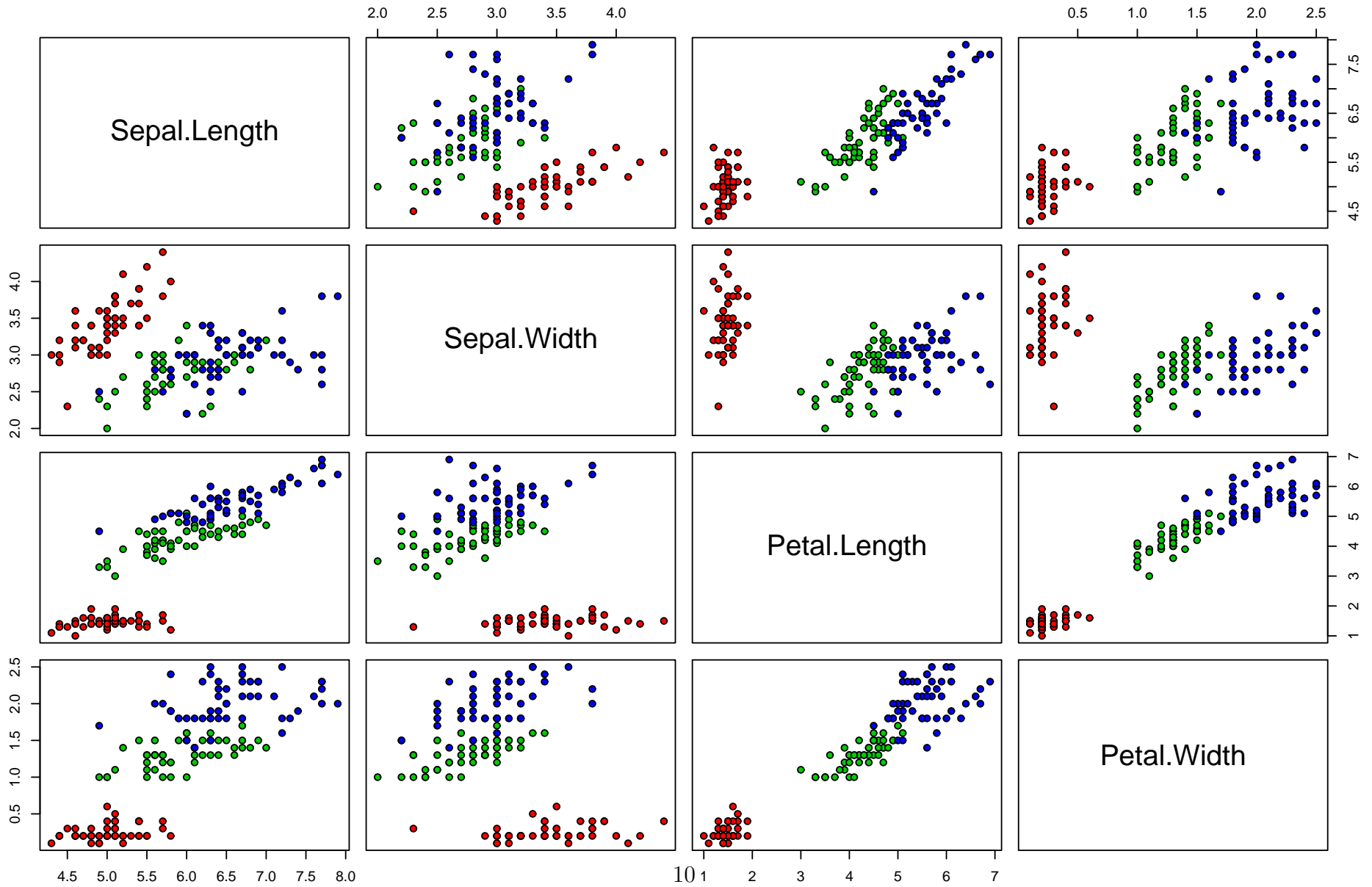
De la couleur, que diable! (2/2)

SE_L et SE_W (Iris de Fisher)



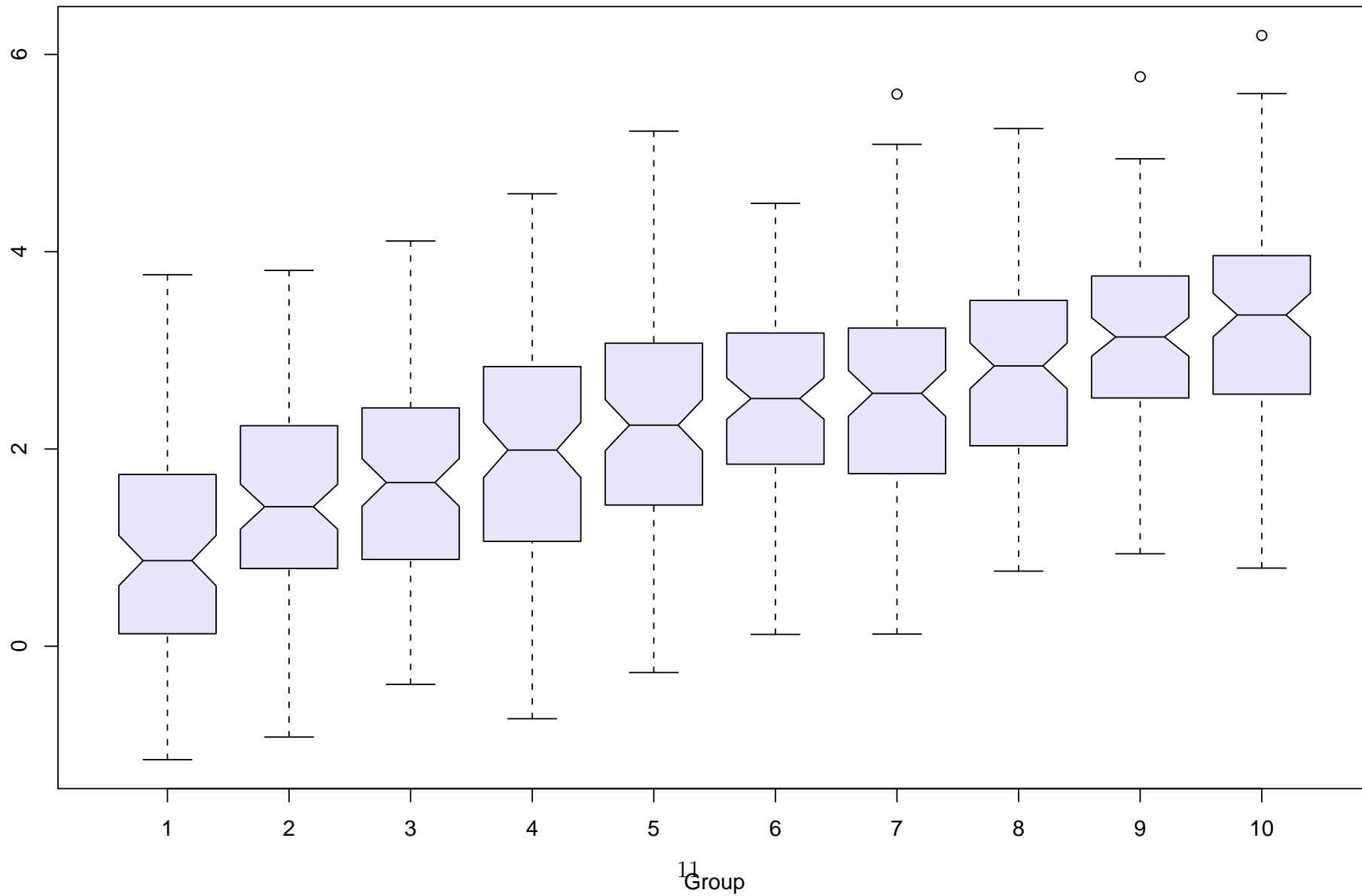
Graphiques par paires

Edgar Anderson's Iris Data

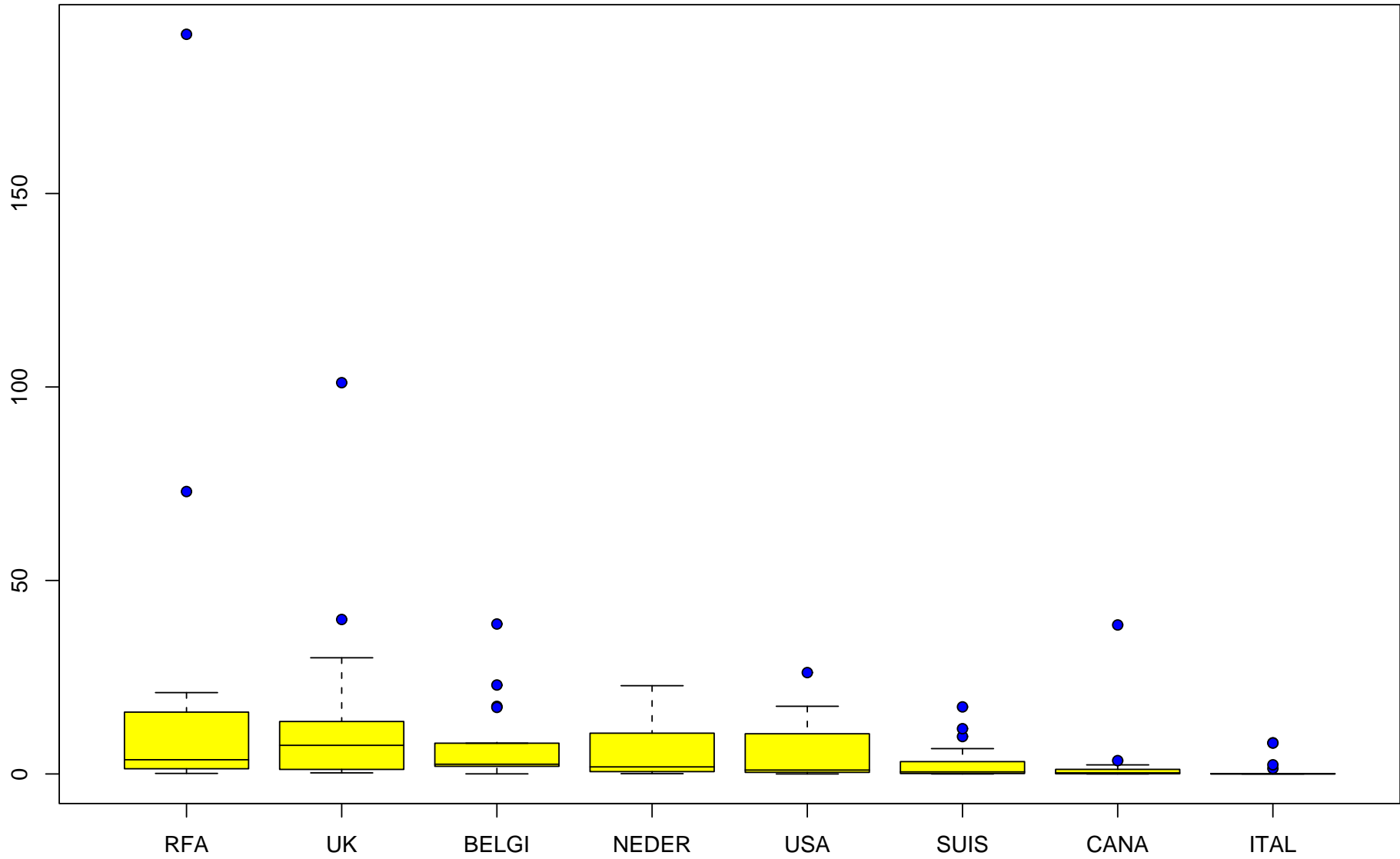


Des "boîtes à moustaches"

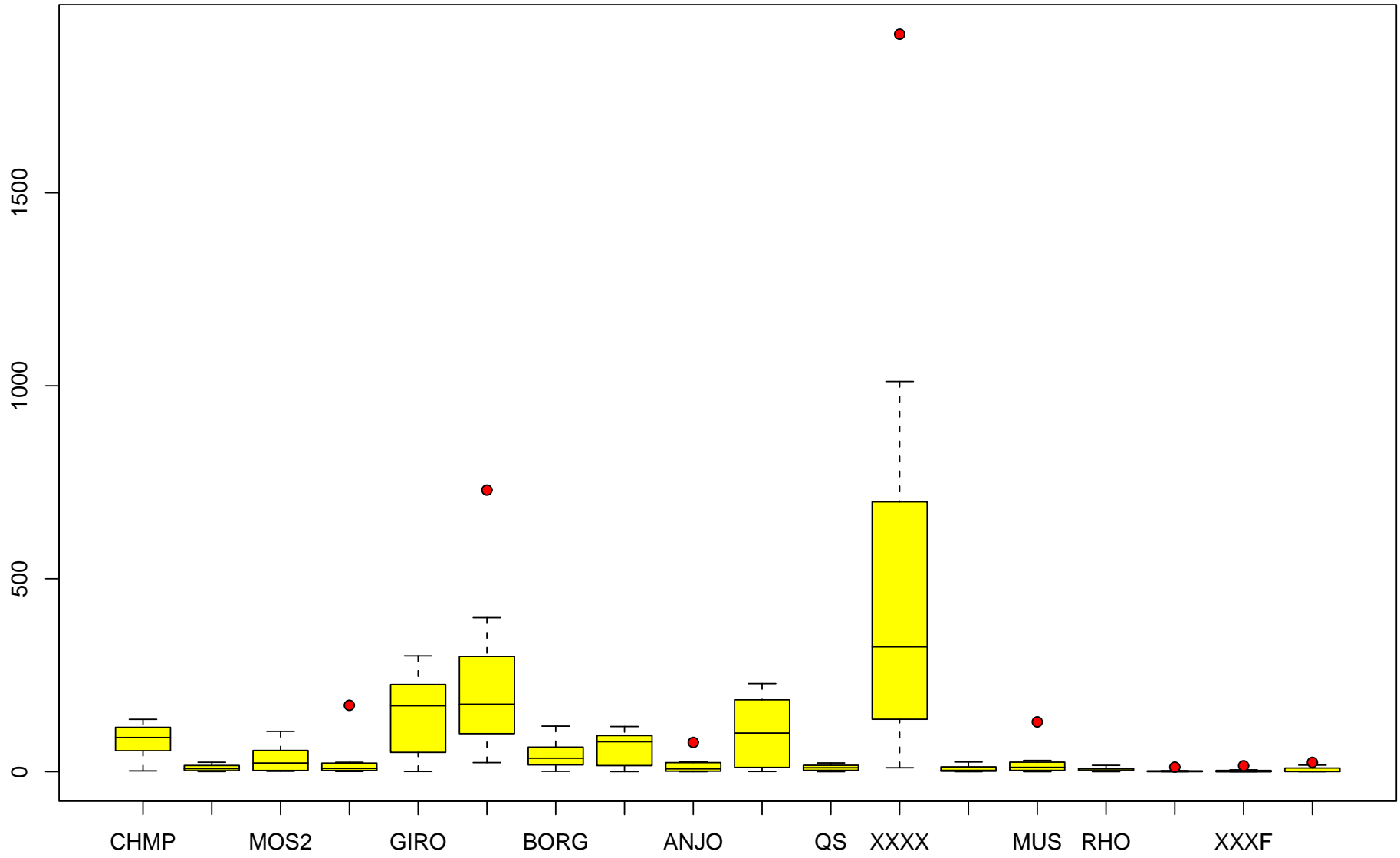
Notched Boxplots



Pays importateurs de VINS



Catégories de VINS



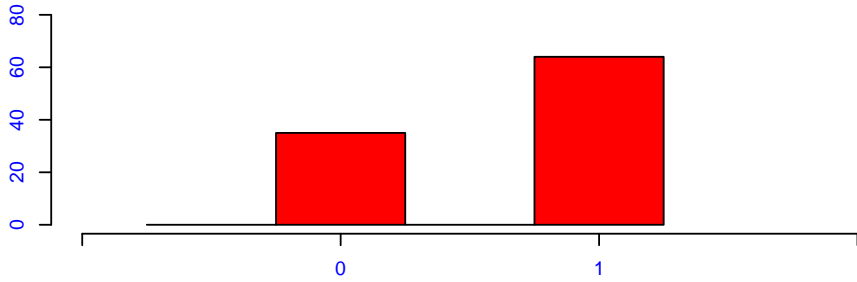
Le "stem and leaf", un semi-graphique

Voici les ages pour le dossier ELF

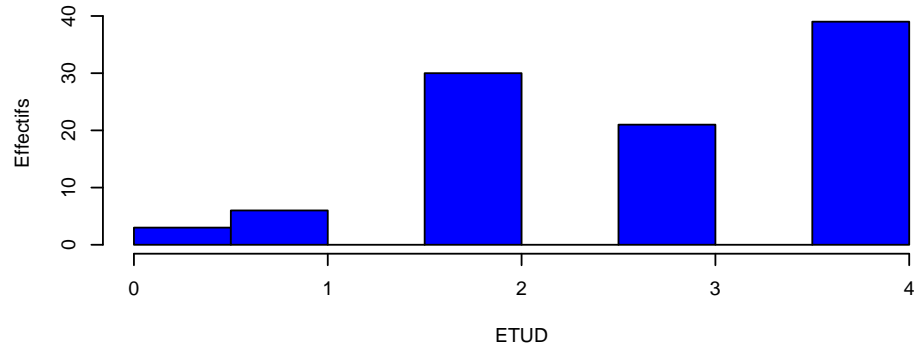
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2 | 0011222344555566667778888888999
3 | 0011123556799
4 | 0123446778899
5 | 0002239
6 | 0011222345
7 | 033368
```

Un pot pourri

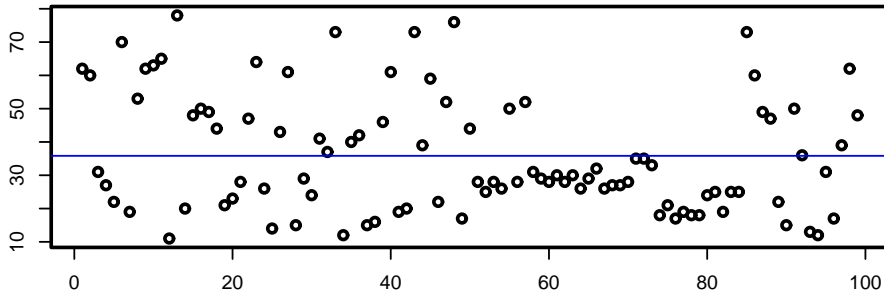
SEXE



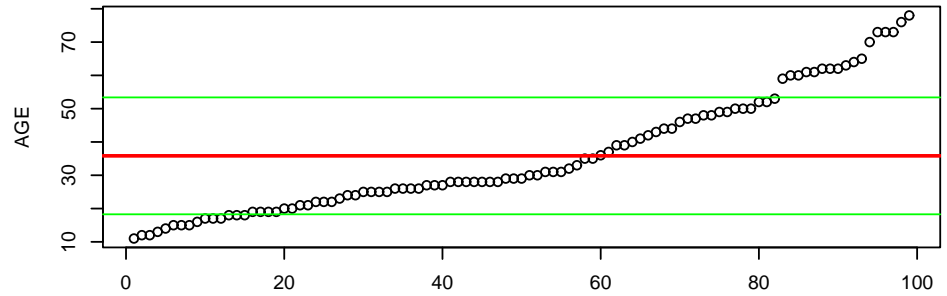
Variable ETUDE



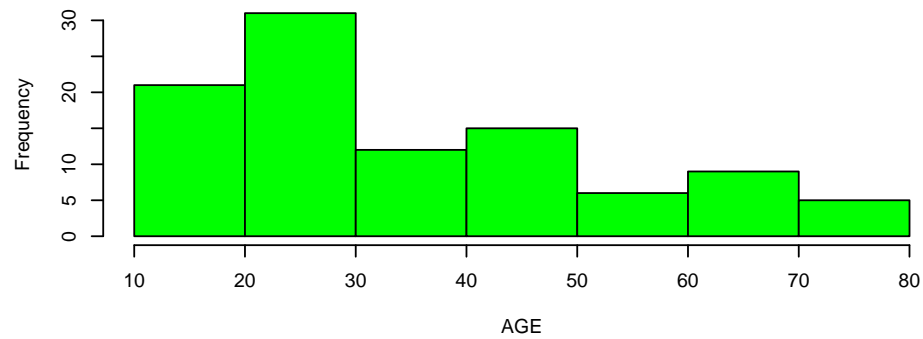
Age (données non triées)



Age données triées



Variable AGE



Etude de l'AGE par SEXE

