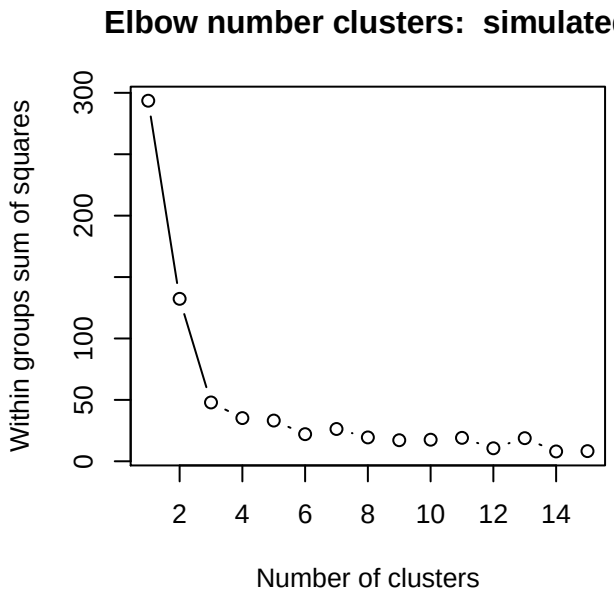
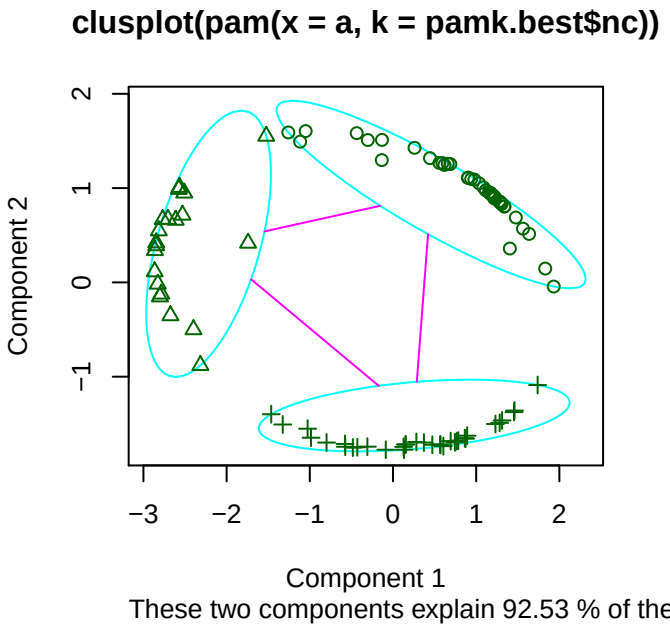
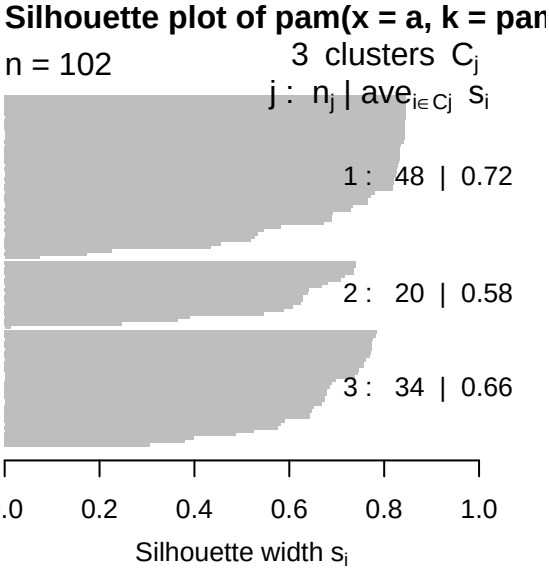
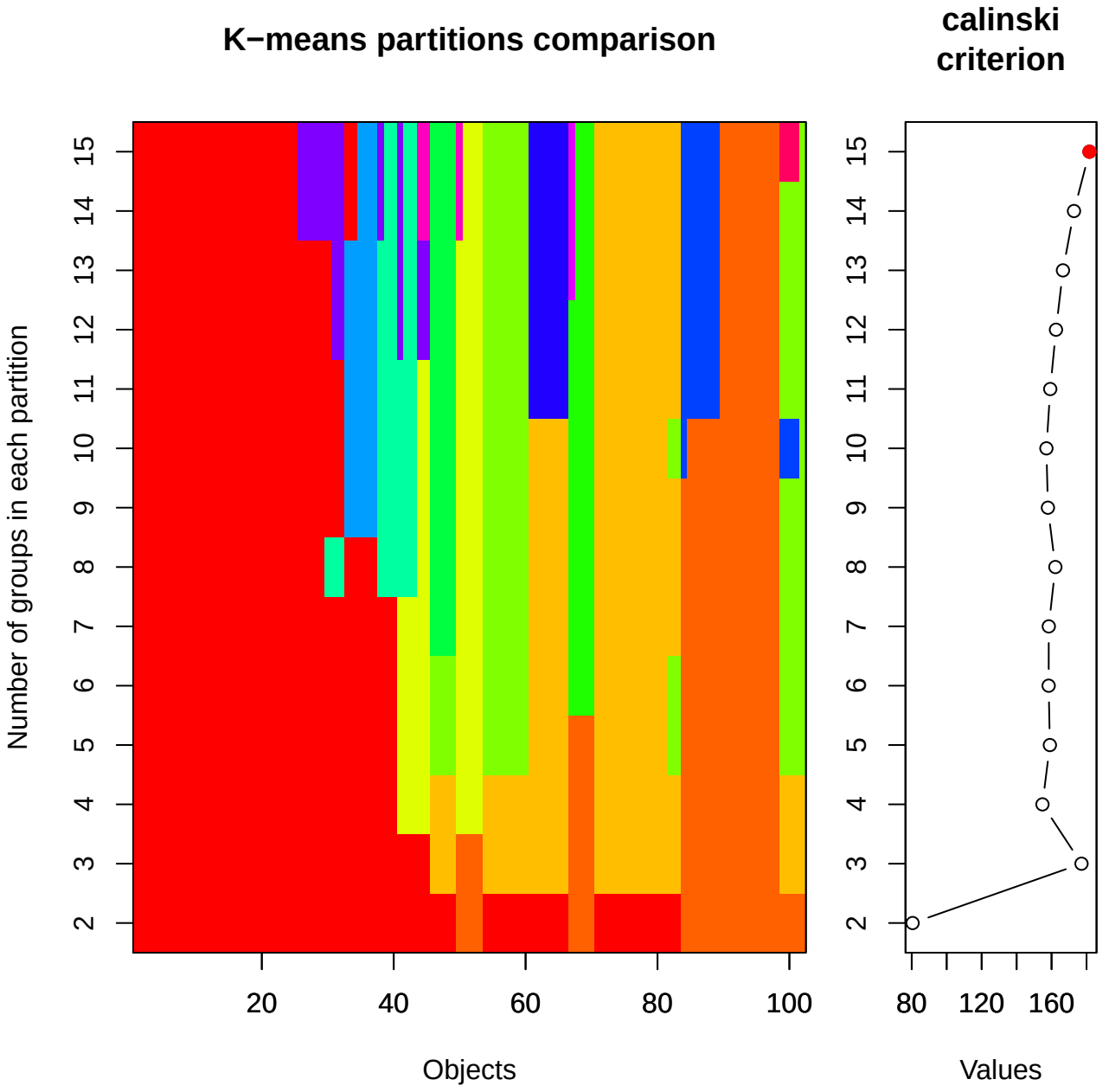

Elbow number clusters: simulated
Within groups sum of squares
0
50
100
200
300
2
4
6
8
10
12
14
Number of clusters


clusplot(pam(x = a, k = pamk.best$nc))
Component 2
−1
0
1
2
−3
−2
−1
0
1
2
Component 1
These two components explain 92.53 % of the


Silhouette plot of pam(x = a, k = pam
n = 102
3 clusters Cj
j : nj | avei∈Cj si
1 : 48 | 0.72
2 : 20 | 0.58
3 : 34 | 0.66
0.0
0.2
0.4
0.6
0.8
1.0
Silhouette width si
Average silhouette width : 0.68


K−means partitions comparison
calinski criterion
Number of groups in each partition
2
3
4
5
6
7
8
9
10
11
12
13
14
15
20
40
60
80
100
Objects
80
120
160
Values