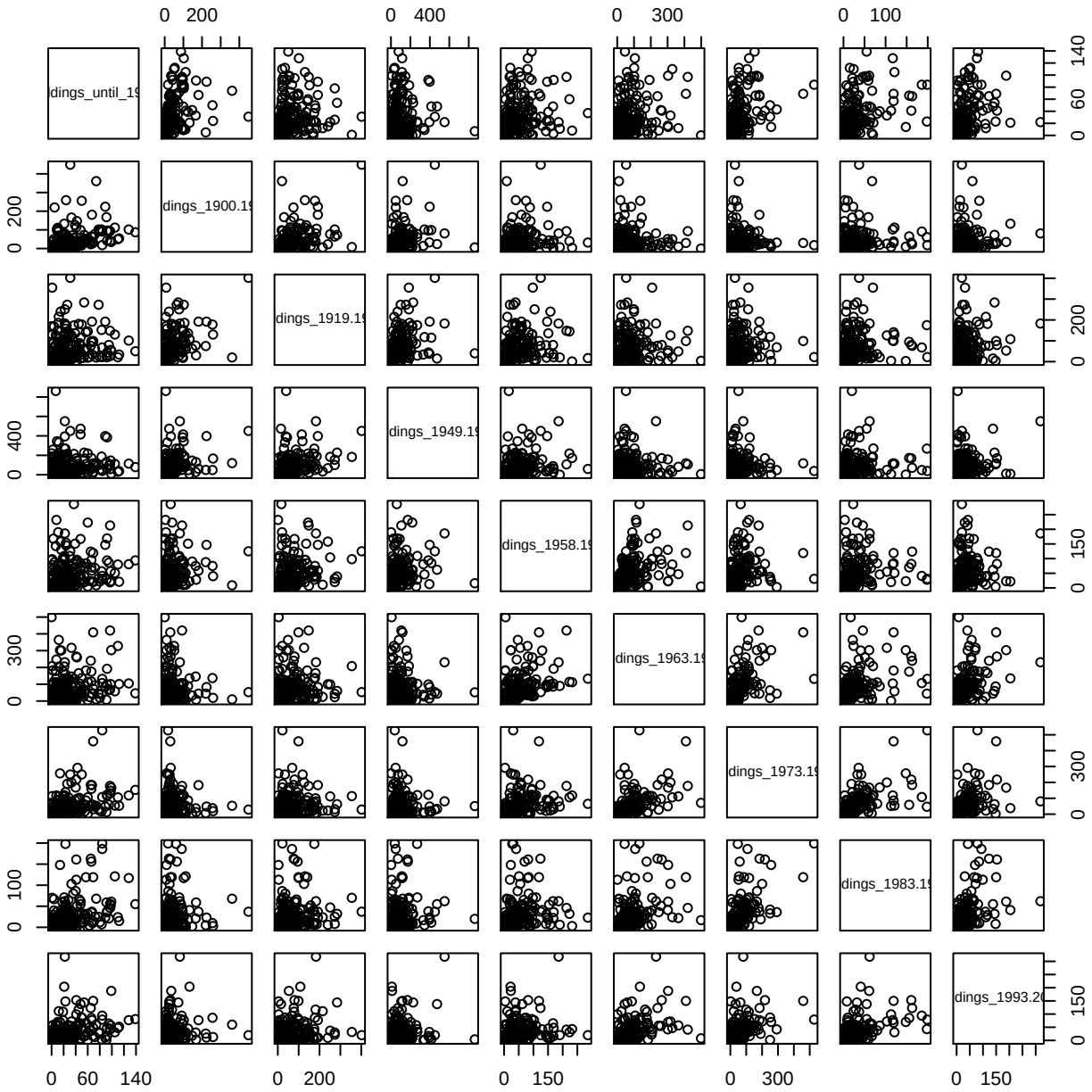
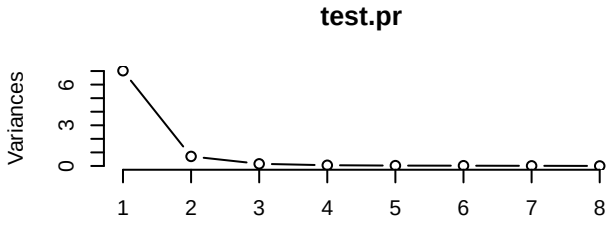
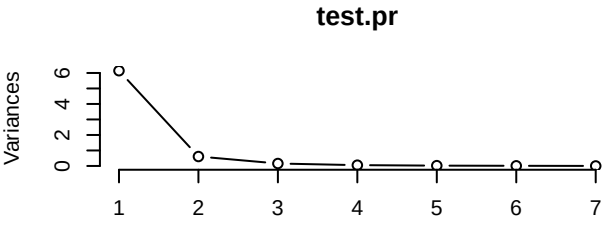
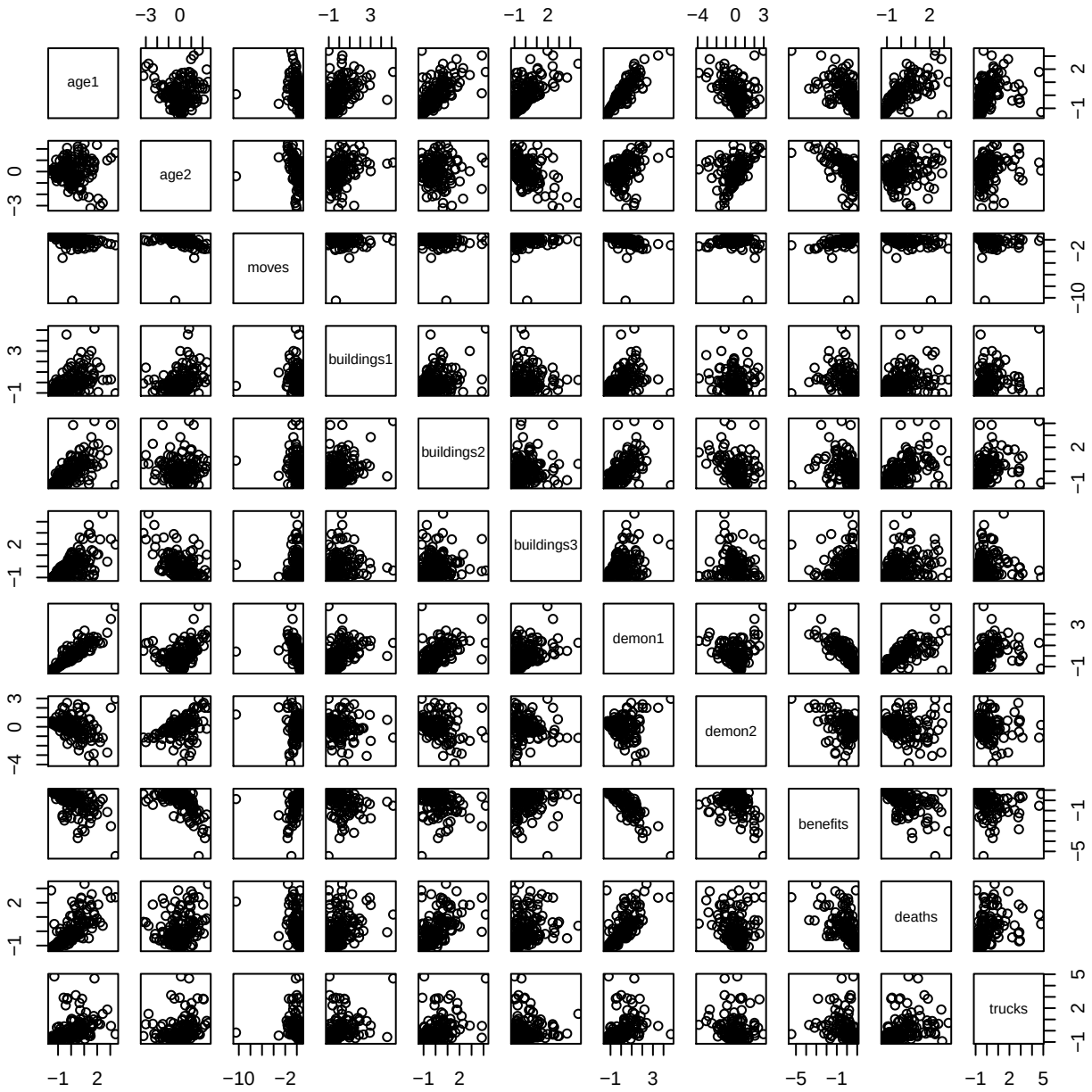
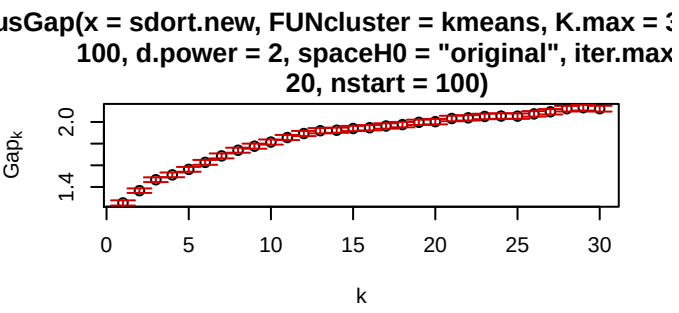
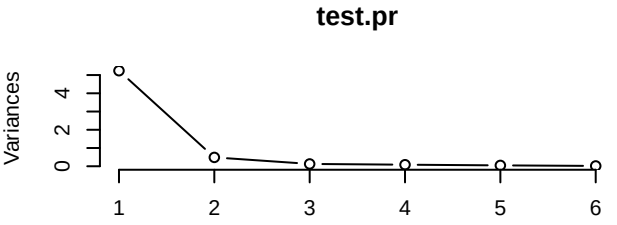

dings_until_19
dings_1900.19
dings_1919.19
dings_1949.19
dings_1958.19
dings_1963.19
dings_1973.19
dings_1983.19
dings_1993.20
0 200
0 400
0 300
0 100
0 60 140
0 200
0 150
0 300
0 150

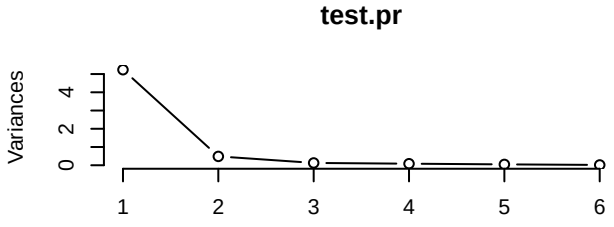

test.pr
Variances
0
3
6
1
2
3
4
5
6
7
8

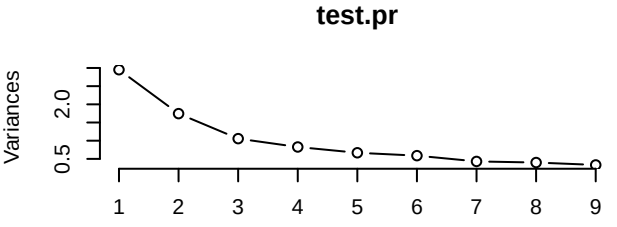

test.pr
Variances
0
2
4
6
1
2
3
4
5
6
7

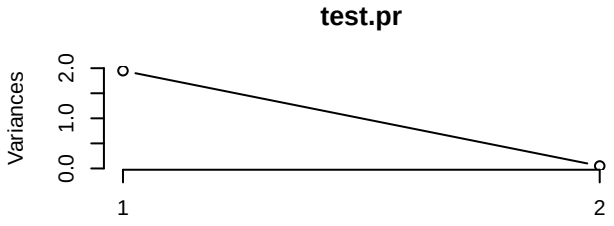

age1
age2
moves
buildings1
buildings2
buildings3
demon1
demon2
benefits
deaths
trucks

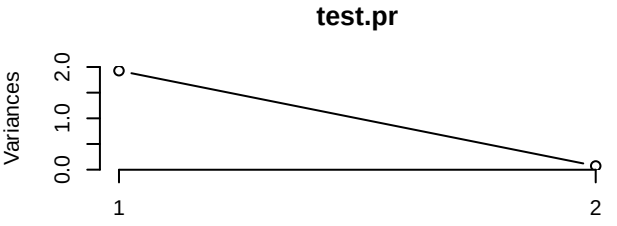

usGap(x = sdort.new, FUNcluster = kmeans, K.max = 3
100, d.power = 2, spaceH0 = "original", iter.max
20, nstart = 100)
Gapk
1.4
2.0
0
5
10
15
20
25
30
k

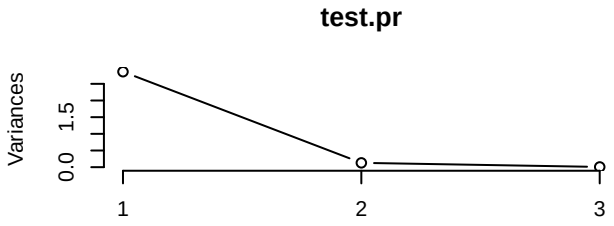

test.pr
Variances
0
2
4
1
2
3
4
5
6

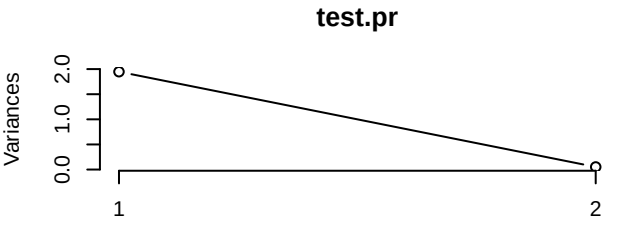

test.pr
Variances
0
2
4
1
2
3
4
5
6

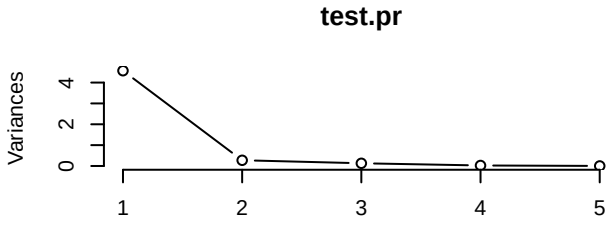

test.pr
Variances
0.5
2.0
1
2
3
4
5
6
7
8
9

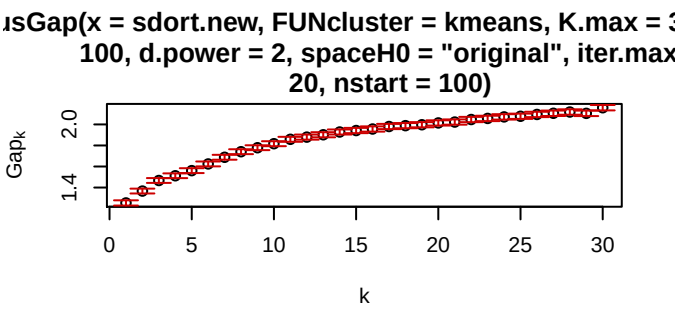

test.pr
Variances
0.0
1.0
2.0
1
2

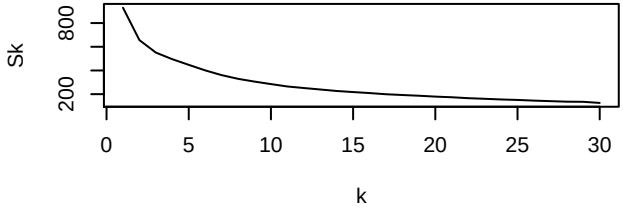

test.pr
Variances
0.0
1.0
2.0
1
2

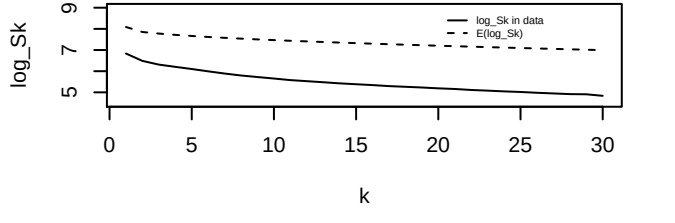

test.pr
Variances
0.0
1.5
1
2
3

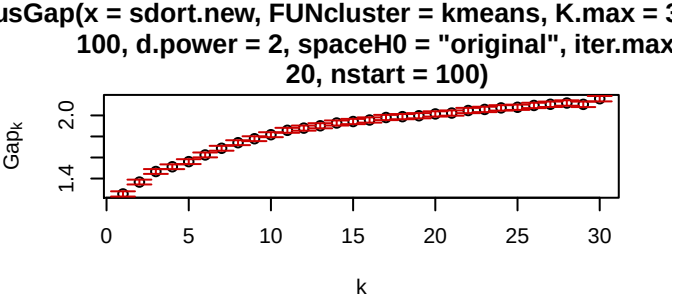

test.pr
Variances
0.0
1.0
2.0
1
2

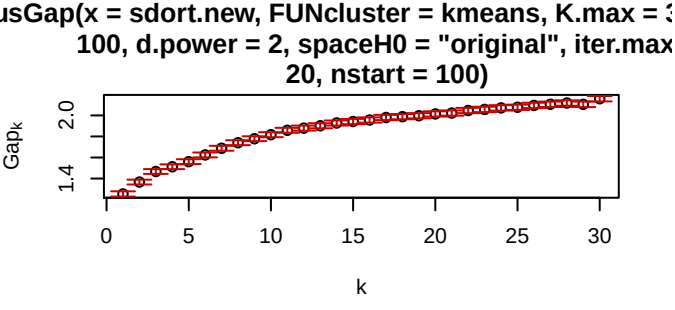

test.pr
Variances
0
2
4
1
2
3
4
5

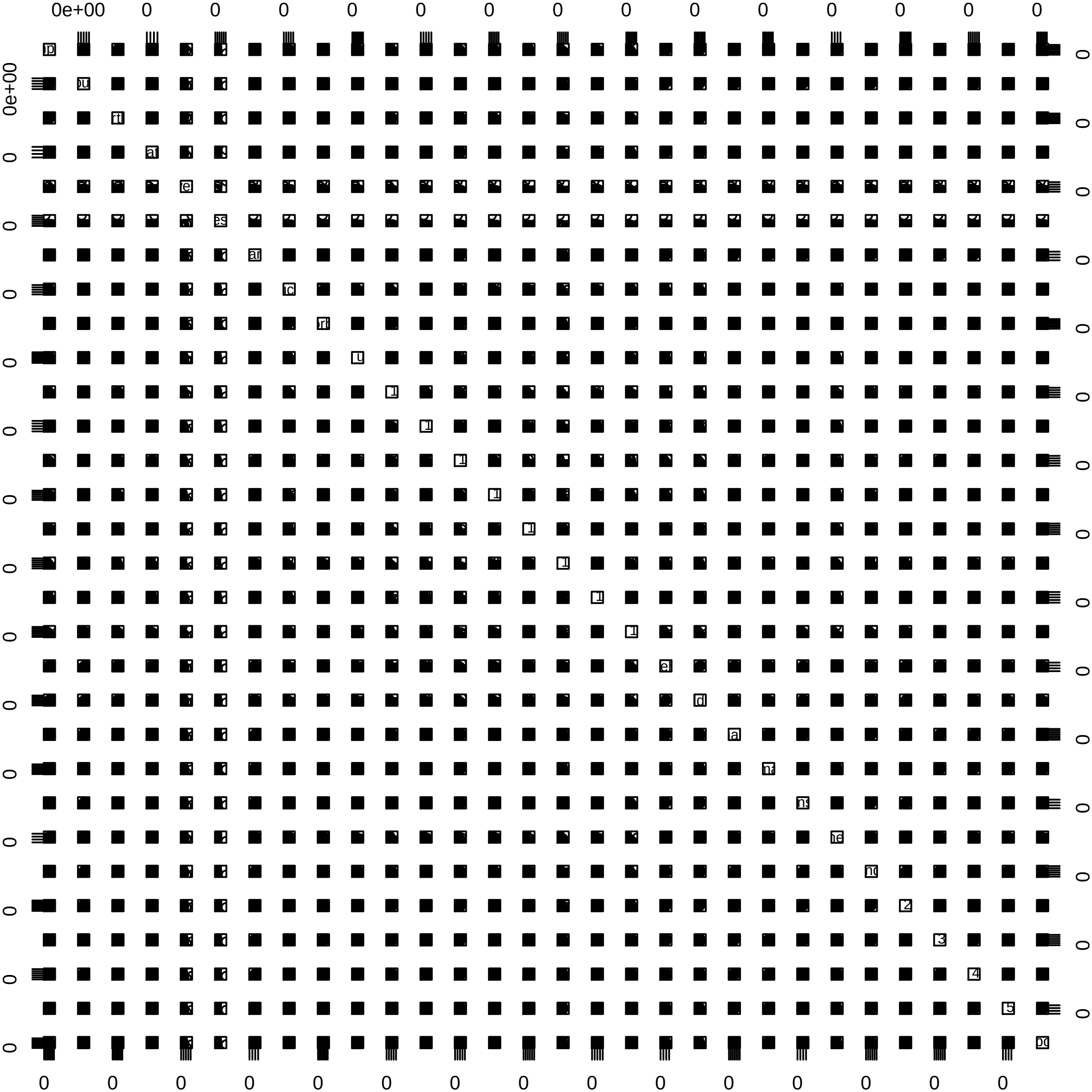

sGap(x = sdort.new, FUNcluster = kmeans, K.max = 3
100, d.power = 2, spaceH0 = "original", iter.max
20, nstart = 100)
Gap$_k$
1.4
2.0
0
5
10
15
20
25
30
k

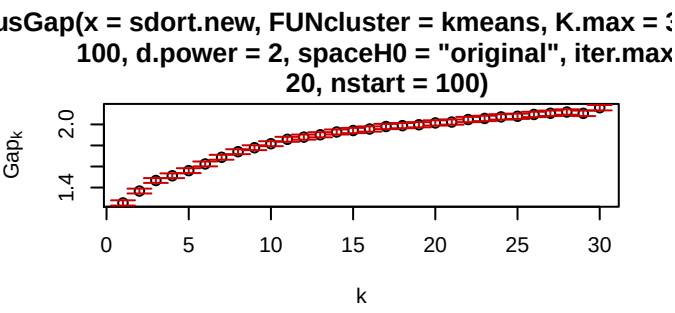

Sk
200
800
0
5
10
15
20
25
30
k

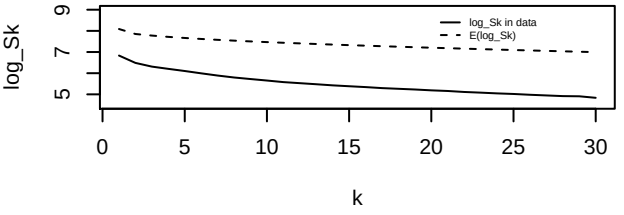

log_Sk
5
7
9
log_Sk in data
E(log_Sk)
0
5
10
15
20
25
30
k


usGap(x = sdort.new, FUNcluster = kmeans, K.max = 3
100, d.power = 2, spaceH0 = "original", iter.max
20, nstart = 100)
Gap$_k$
1.4
2.0
0
5
10
15
20
25
30
k


usGap(x = sdort.new, FUNcluster = kmeans, K.max = 3
100, d.power = 2, spaceH0 = "original", iter.max
20, nstart = 100)
Gap$_k$
1.4
2.0
0
5
10
15
20
25
30
k


0e+00
0


usGap(x = sdort.new, FUNcluster = kmeans, K.max = 3
100, d.power = 2, spaceH0 = "original", iter.max
20, nstart = 100)
Gap_k
1.4
2.0
0
5
10
15
20
25
30
k


log_Sk
5
7
9
log_Sk in data
E(log_Sk)
0
5
10
15
20
25
30
k