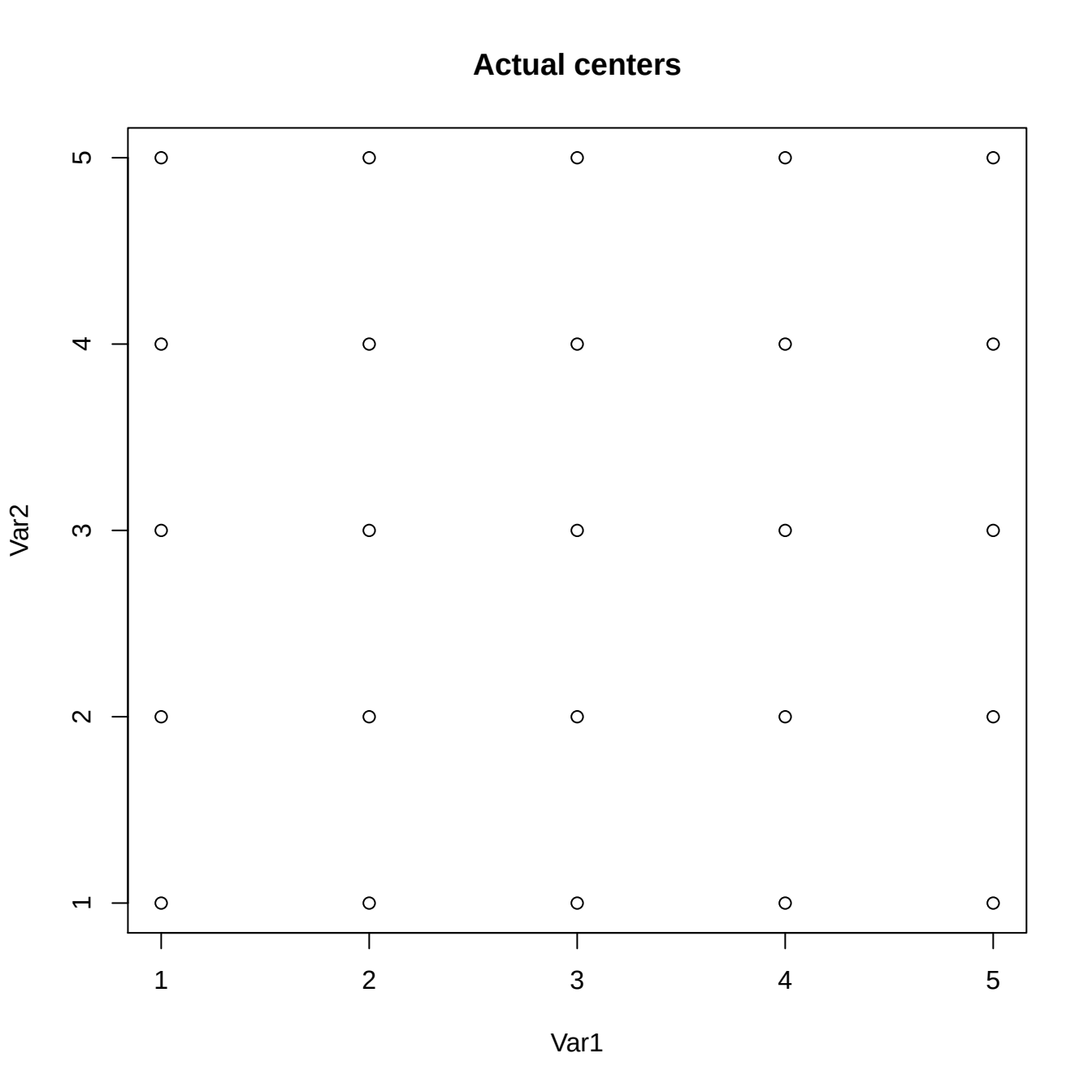
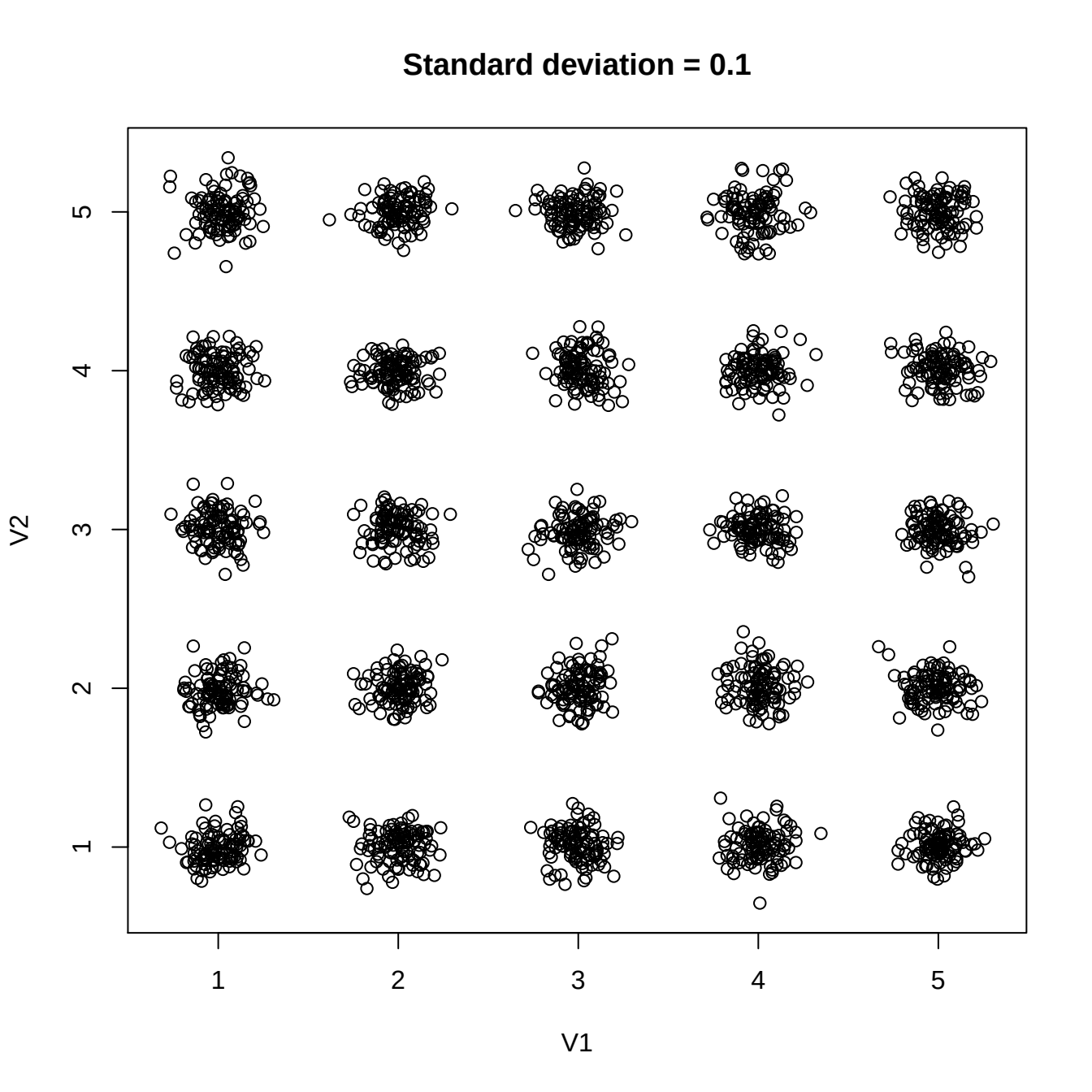
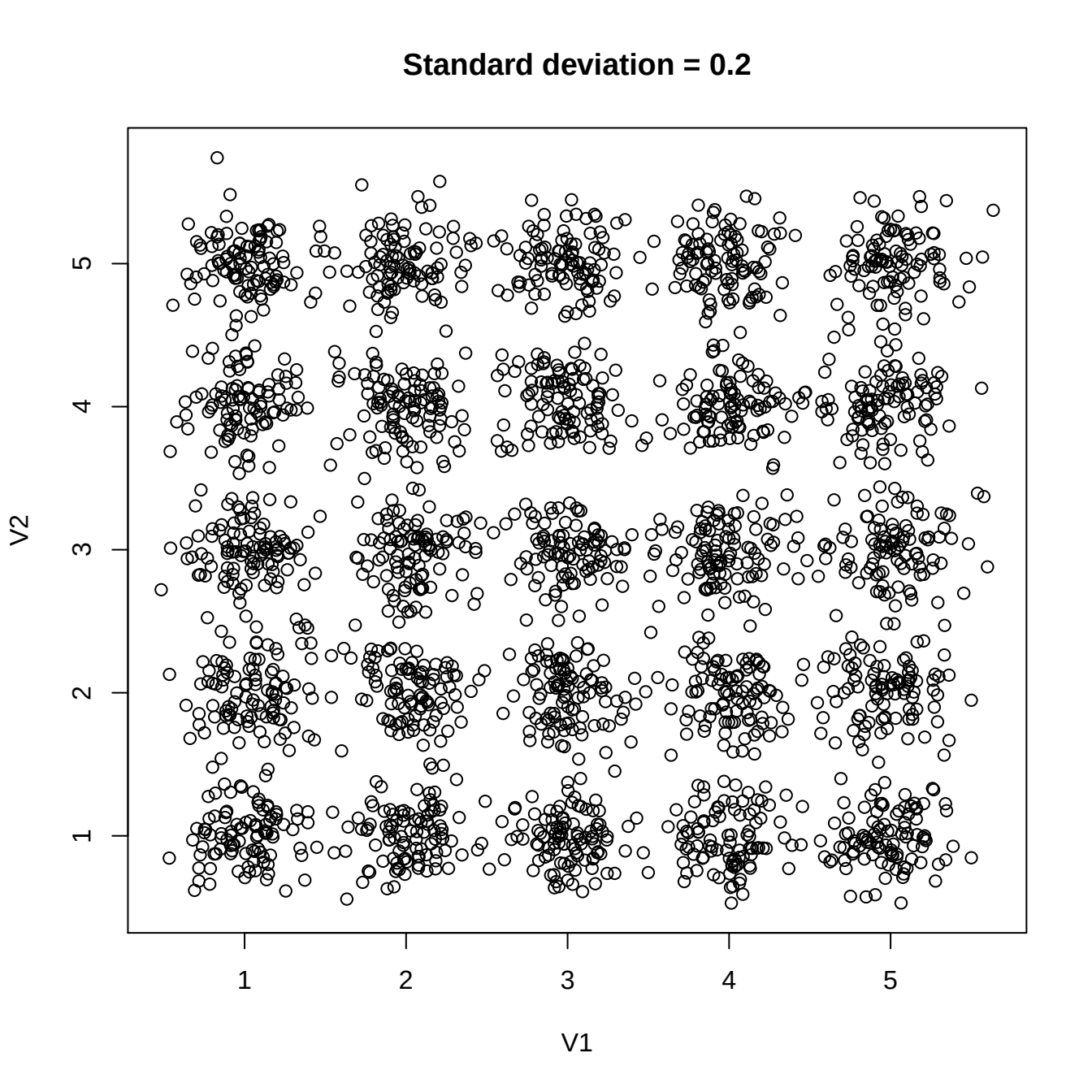
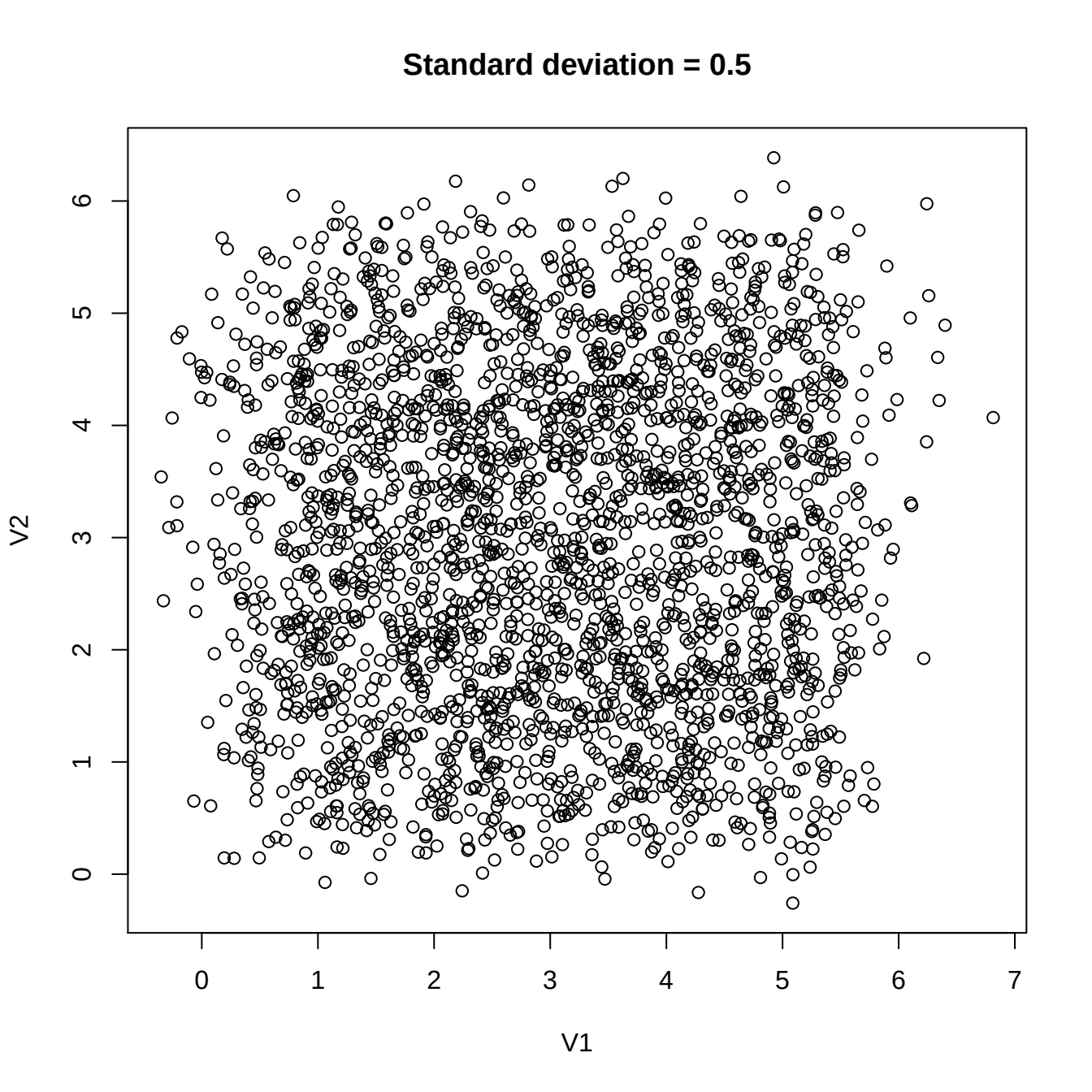
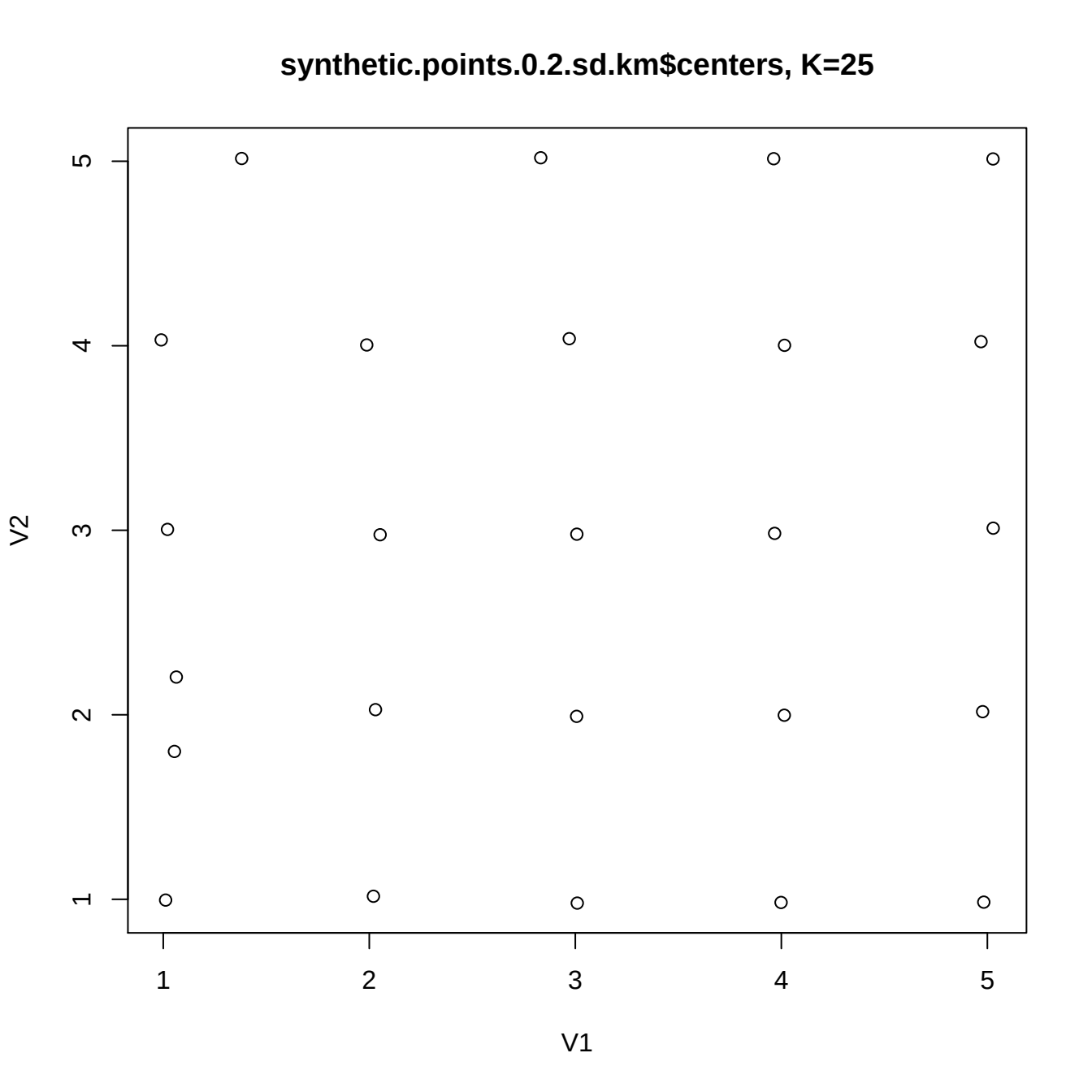
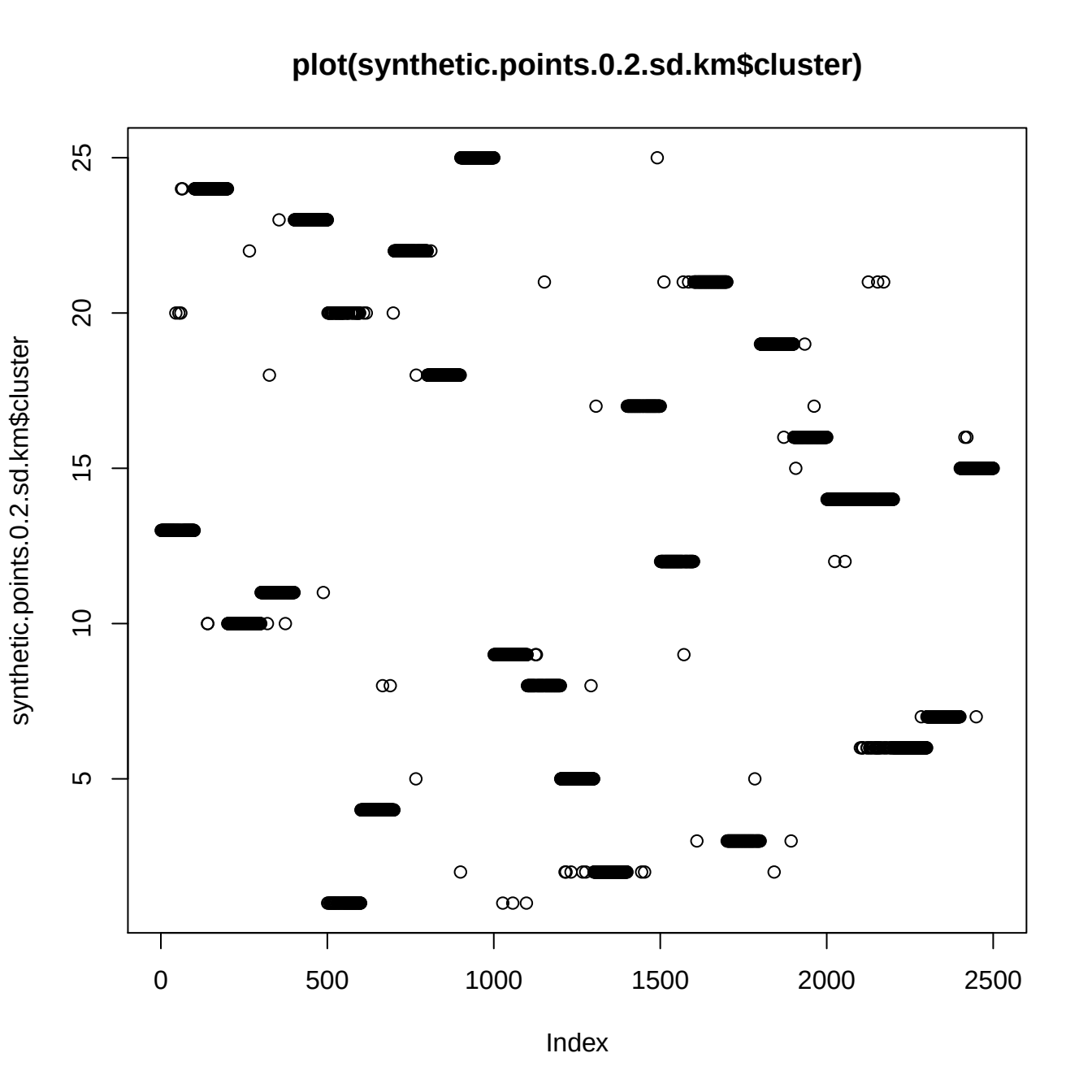

Actual centers
Var2
Var1
1
2
3
4
5

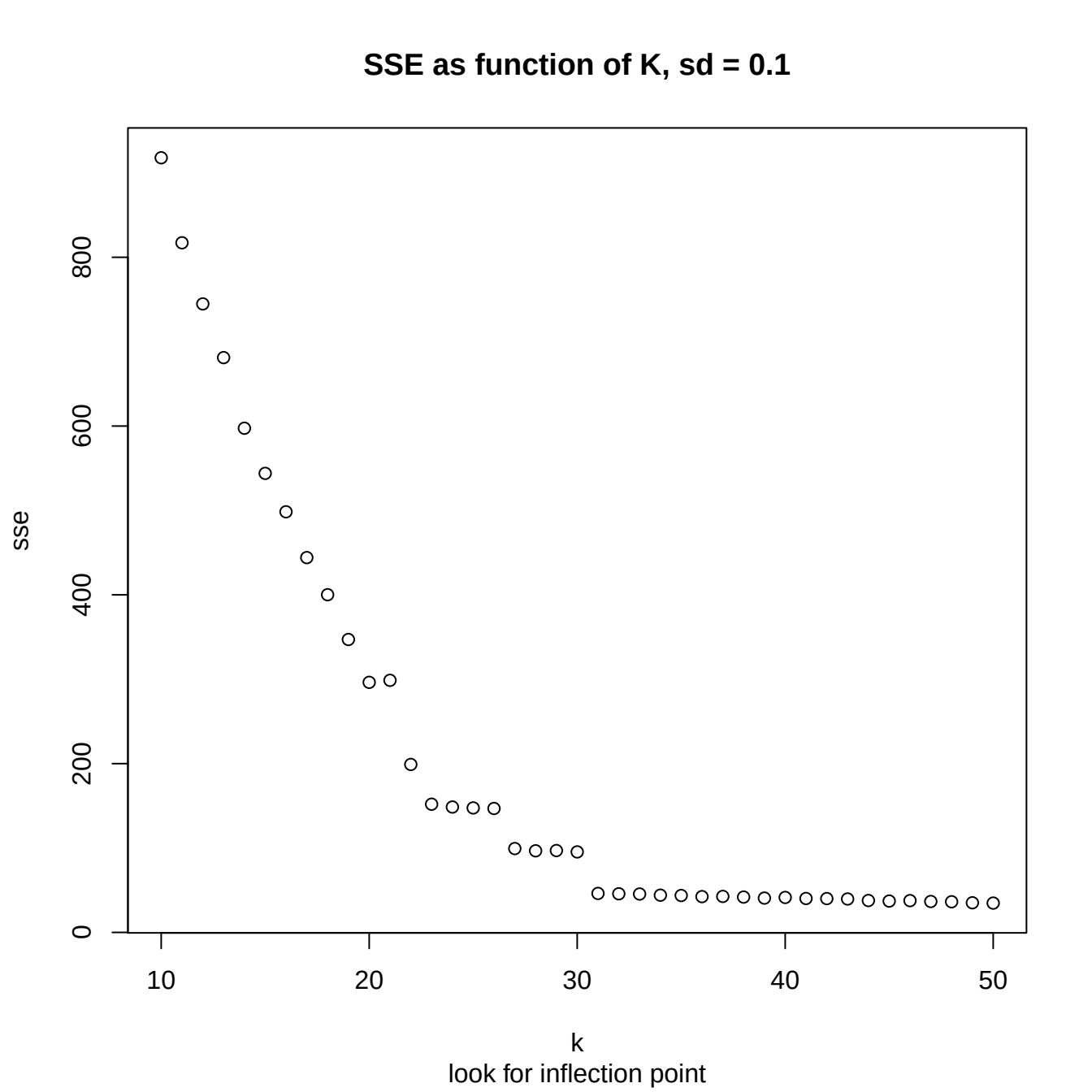

Standard deviation = 0.1
V2
V1
1
2
3
4
5

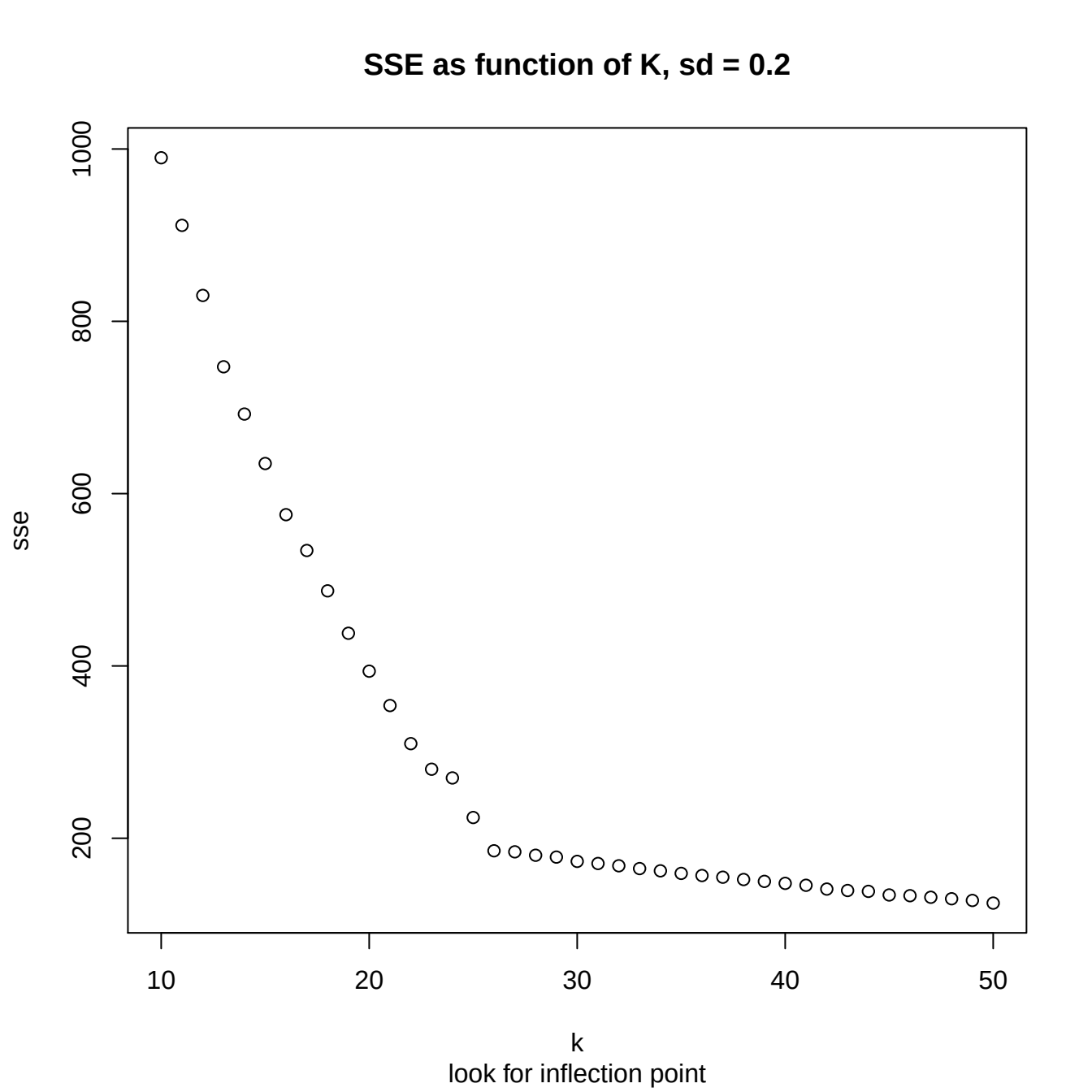

Standard deviation = 0.2
V2
V1
1
2
3
4
5

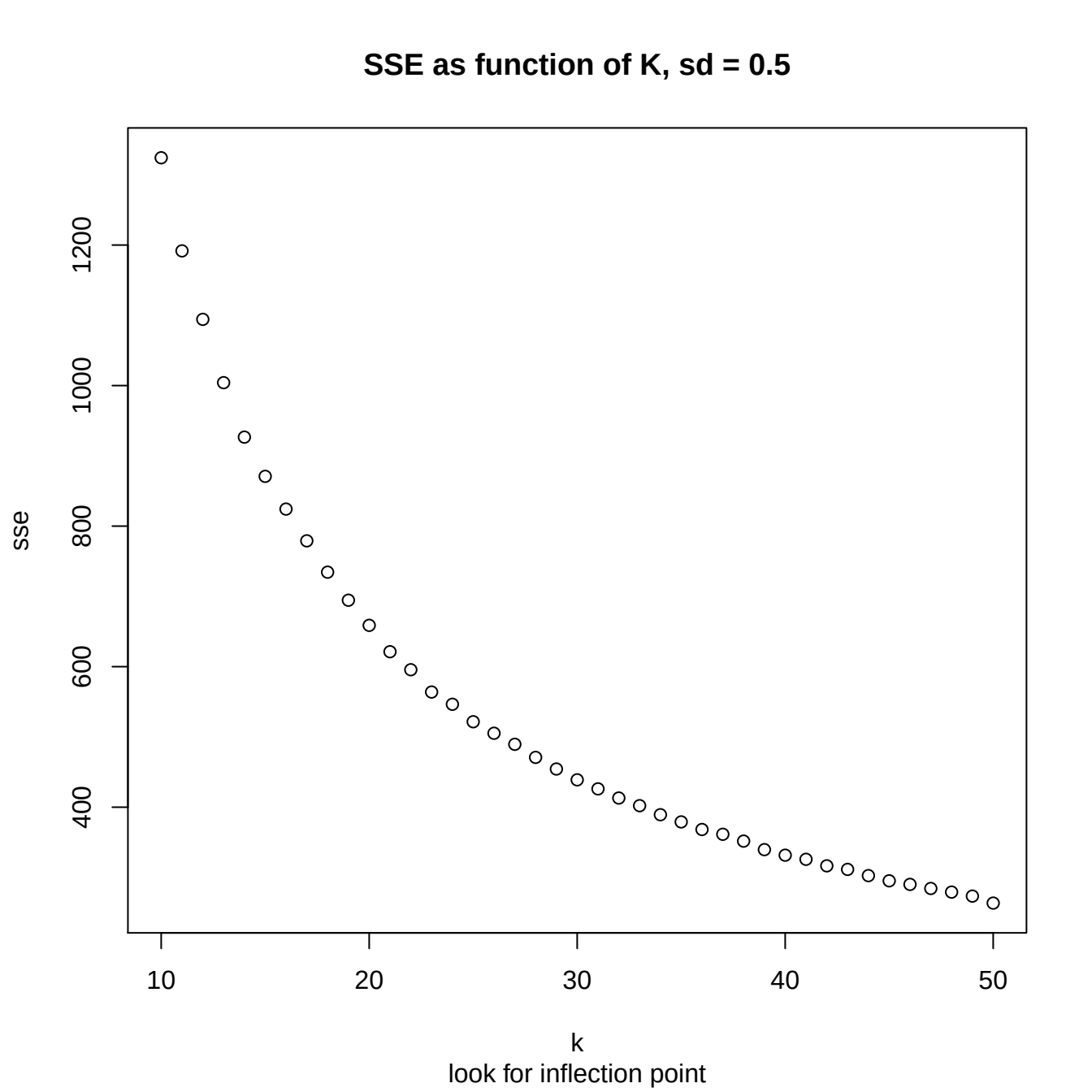

Standard deviation = 0.5
V2
V1
0
1
2
3
4
5
6
7

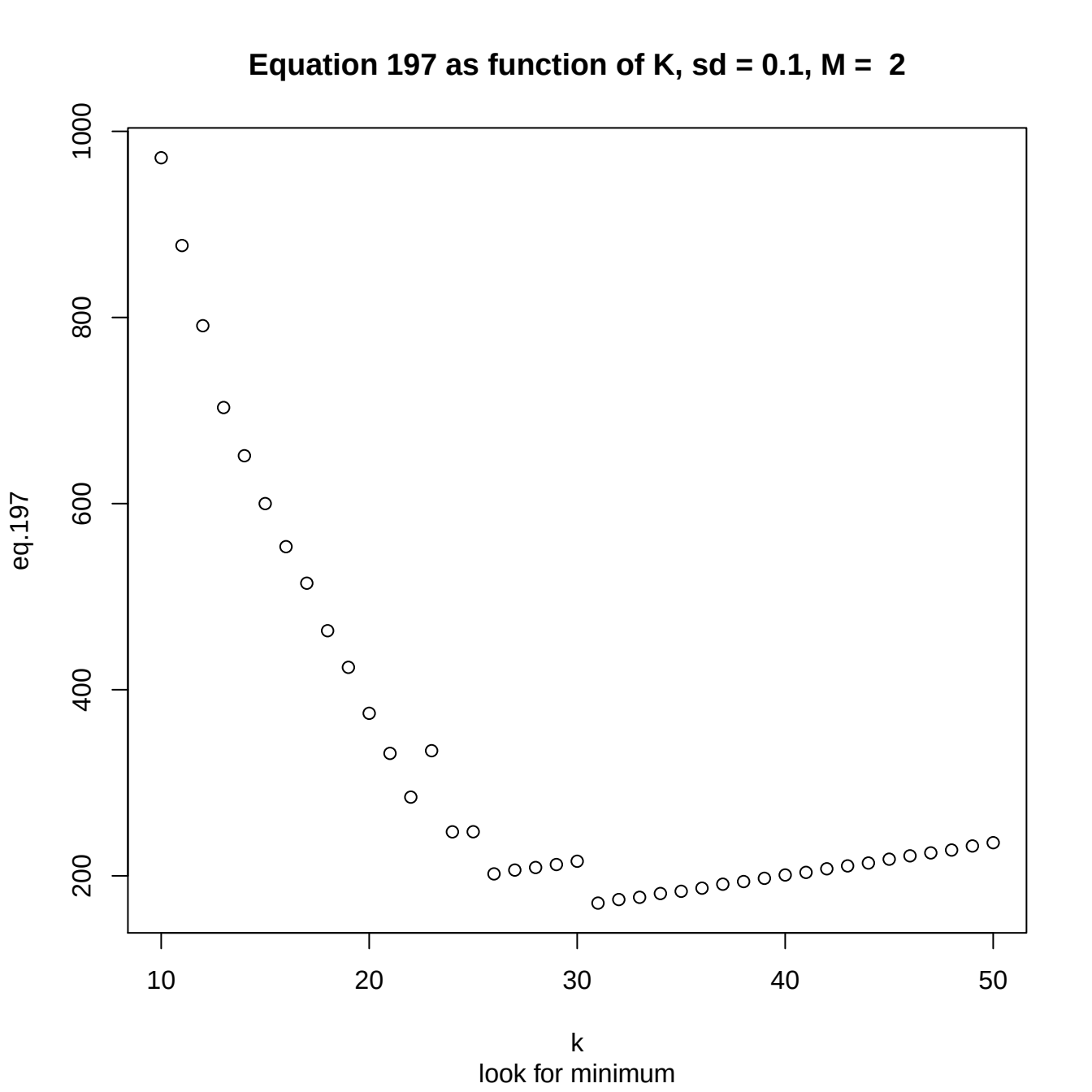

synthetic.points.0.2.sd.km$centers, K=25
V2
V1
1
2
3
4
5

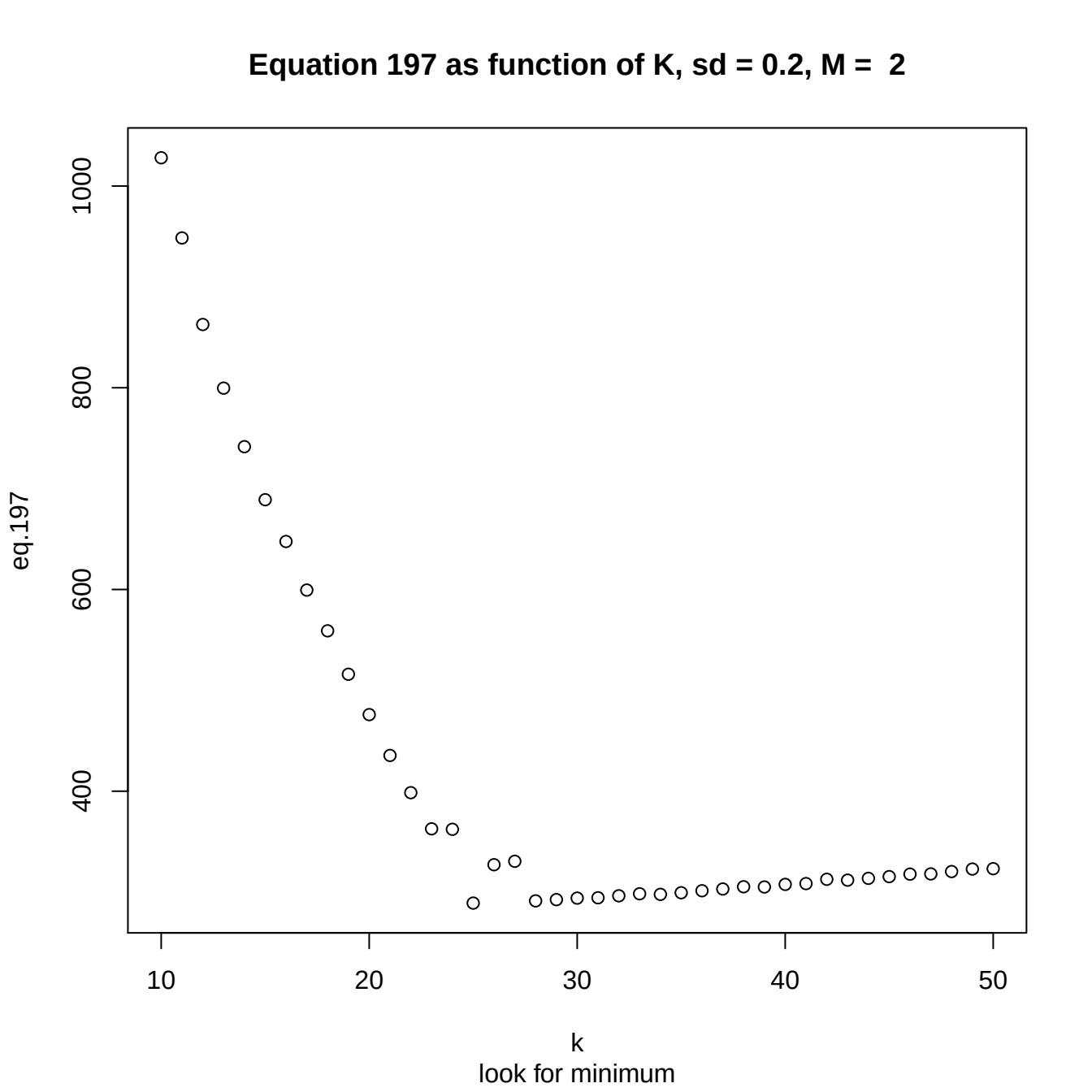

plot(synthetic.points.0.2.sd.km$cluster)
synthetic.points.0.2.sd.km$cluster
Index
5
10
15
20
25
0
500
1000
1500
2000
2500

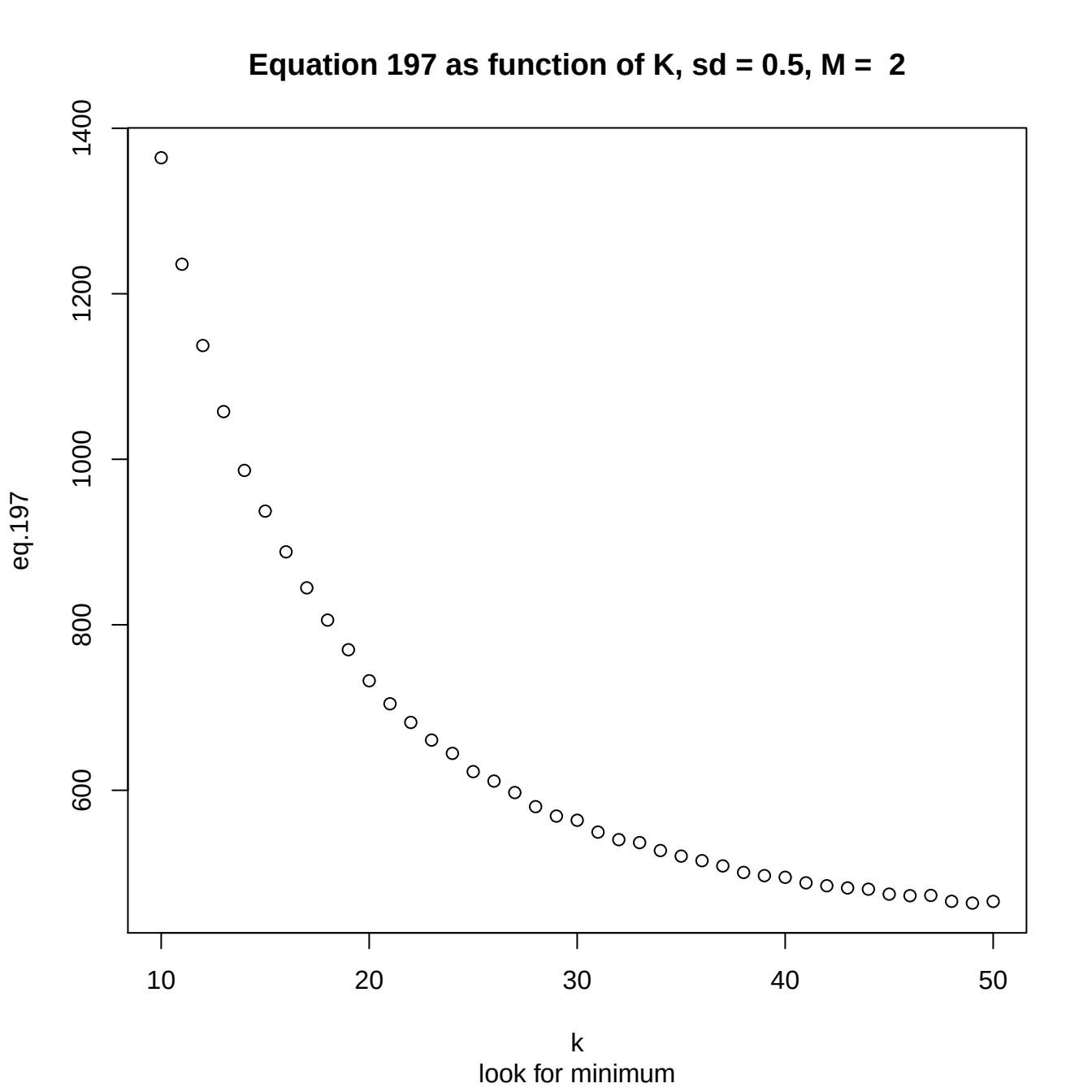

SSE as function of K, sd = 0.1
sse
0
200
400
600
800
10
20
30
40
50
k
look for inflection point


SSE as function of K, sd = 0.2
sse
1000
800
600
400
200
10
20
30
40
50
k
look for inflection point


SSE as function of K, sd = 0.5
sse
400
600
800
1000
1200
10
20
30
40
50
k
look for inflection point


Equation 197 as function of K, sd = 0.1, M = 2
eq.197
1000
800
600
400
200
10
20
30
40
50
k
look for minimum


Equation 197 as function of K, sd = 0.2, M = 2
eq.197
1000
800
600
400
10
20
30
40
50
k
look for minimum


Equation 197 as function of K, sd = 0.5, M = 2
eq.197
1400
1200
1000
800
600
10
20
30
40
50
k
look for minimum