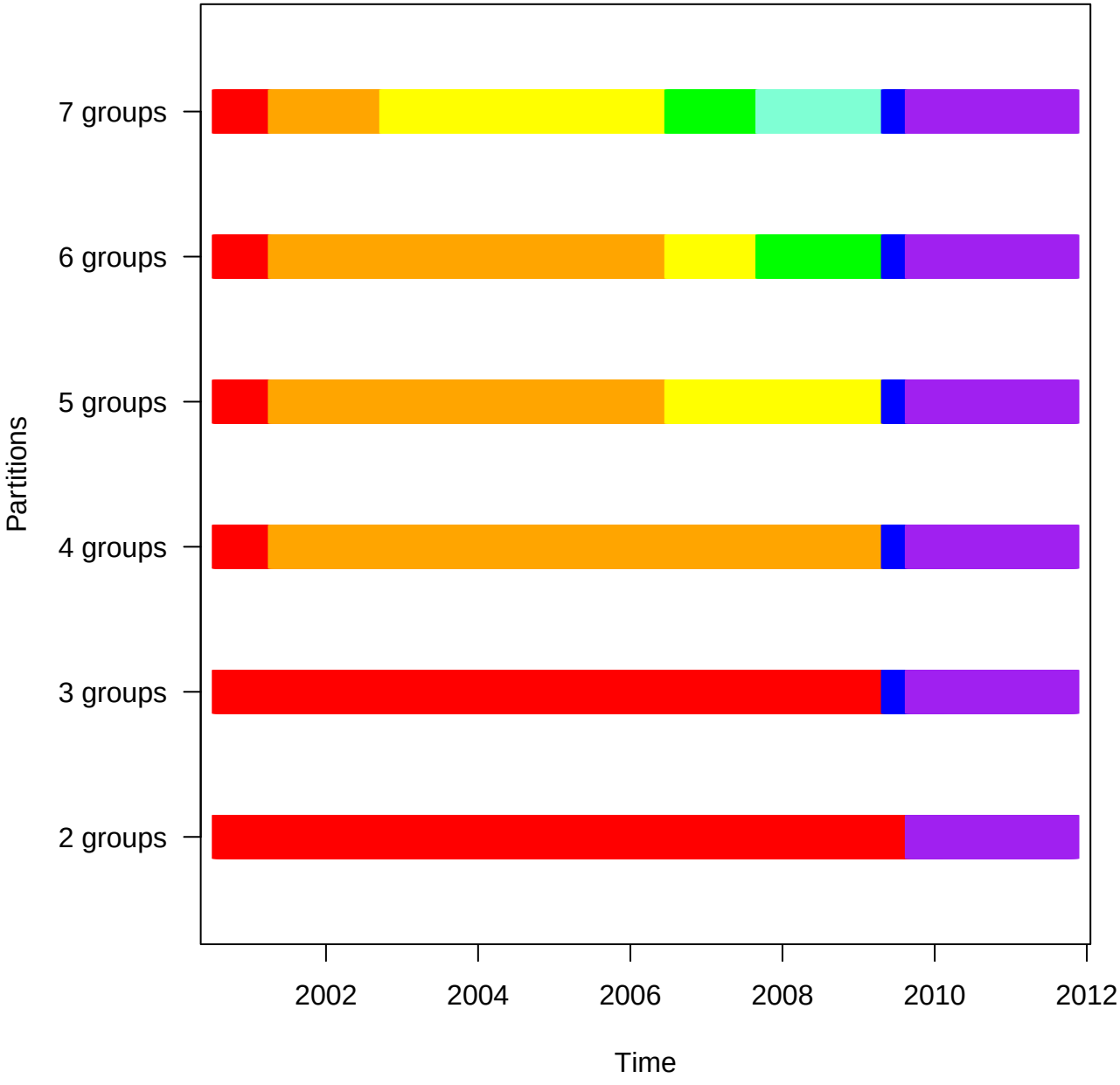
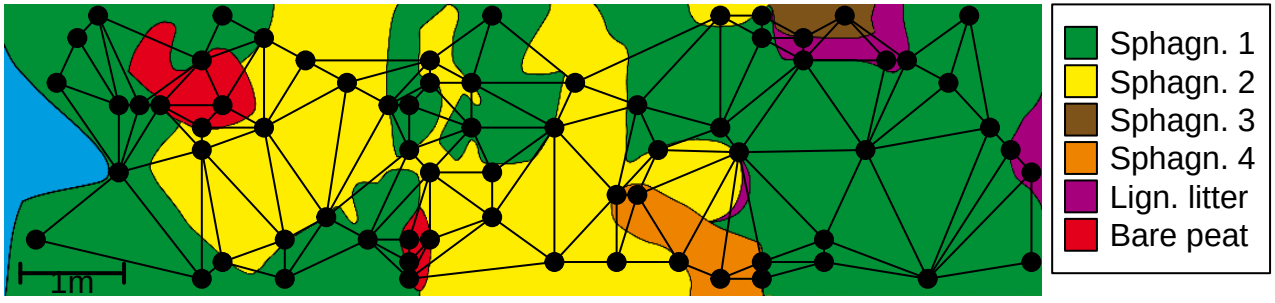
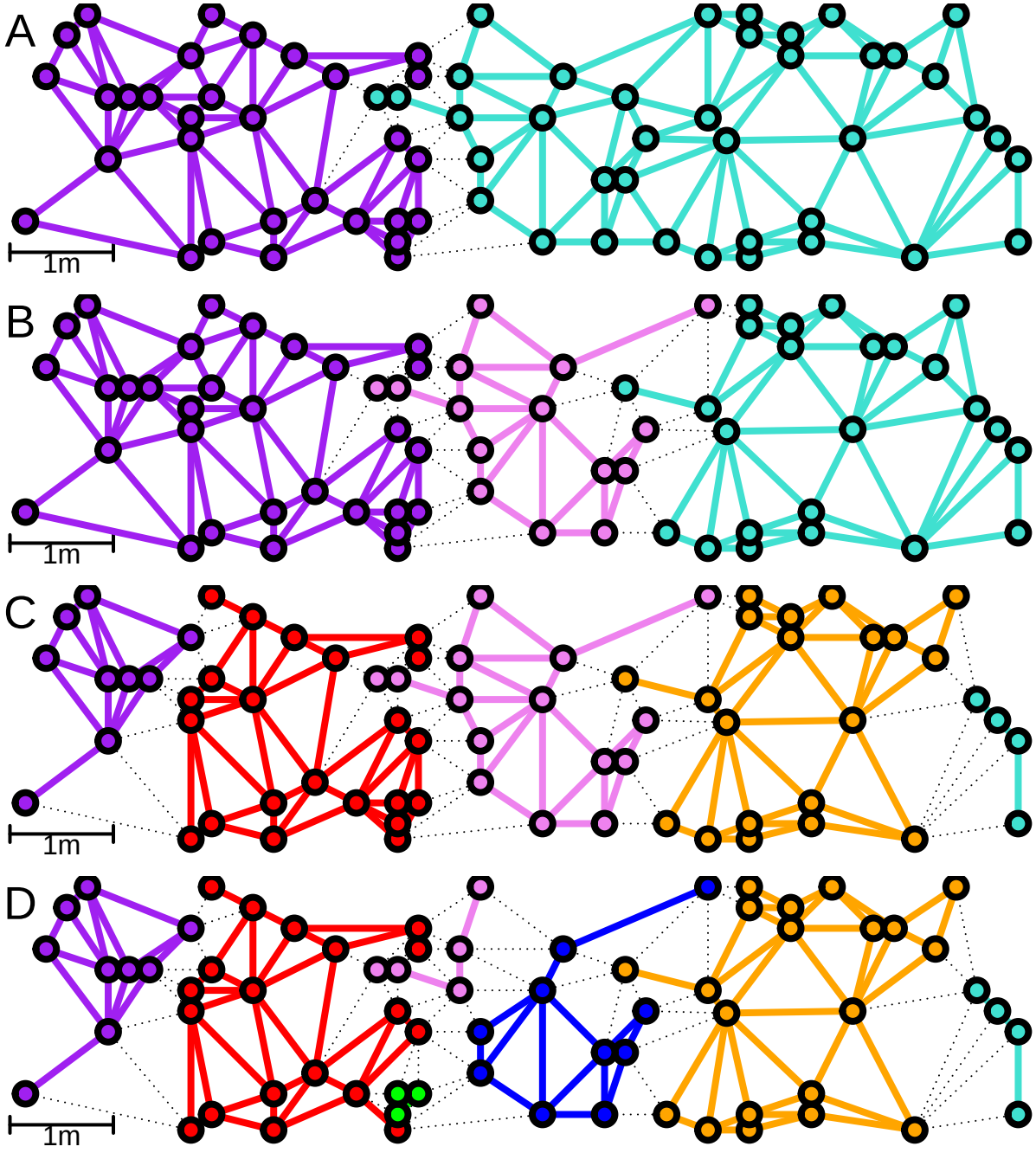
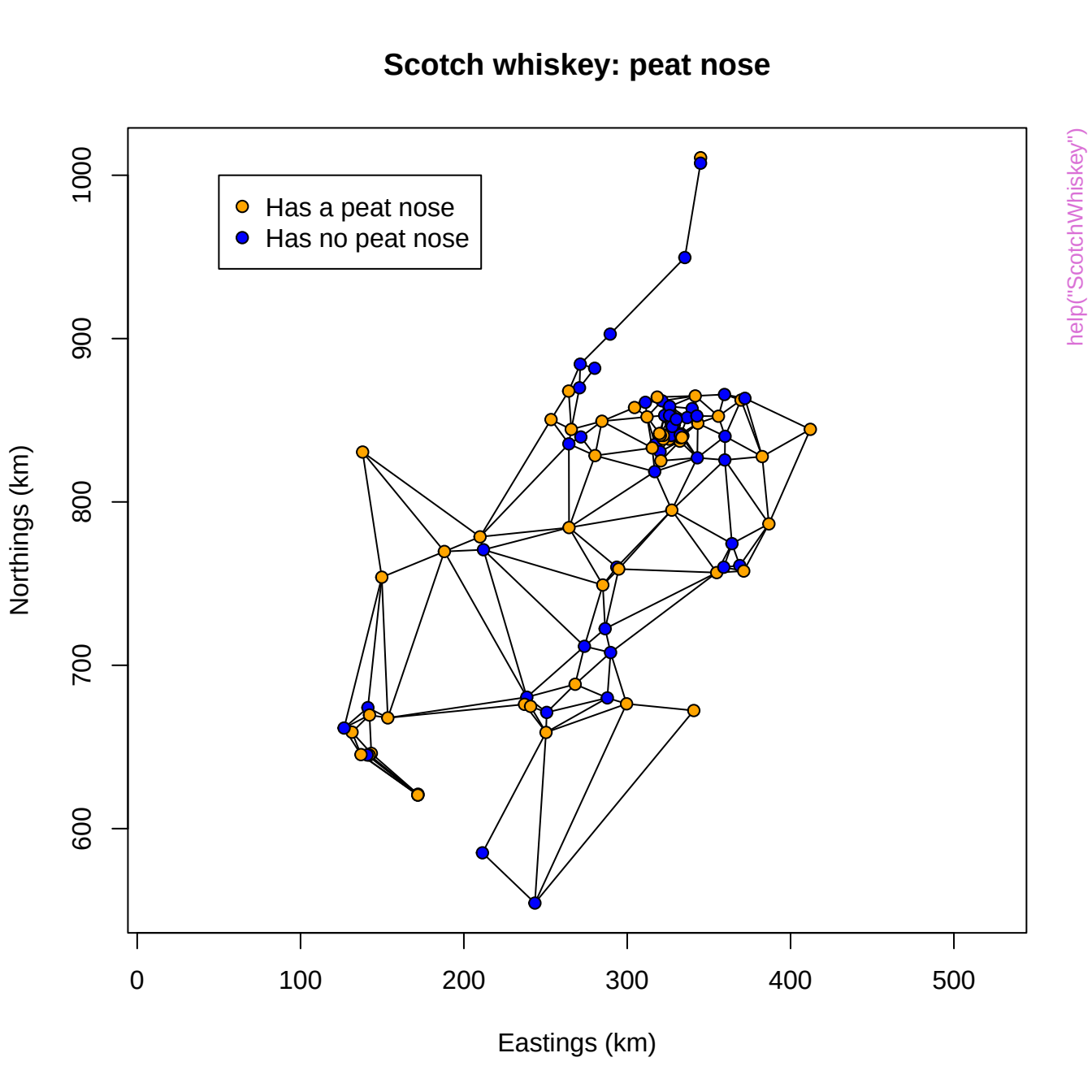

help("Faithful")
Partitions
7 groups
6 groups
5 groups
4 groups
3 groups
2 groups
2002
2004
2006
2008
2010
2012
Time

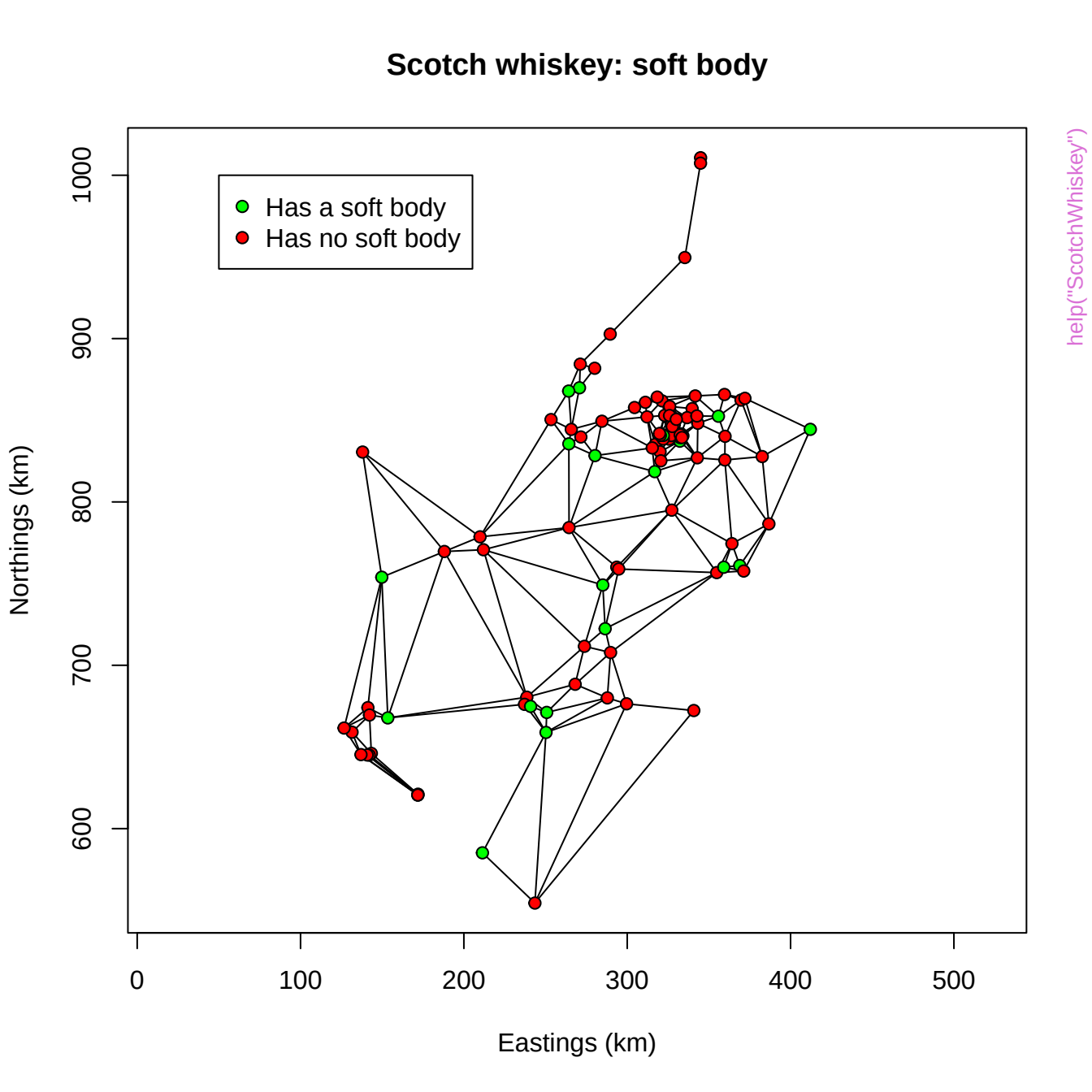
help("Oribates")

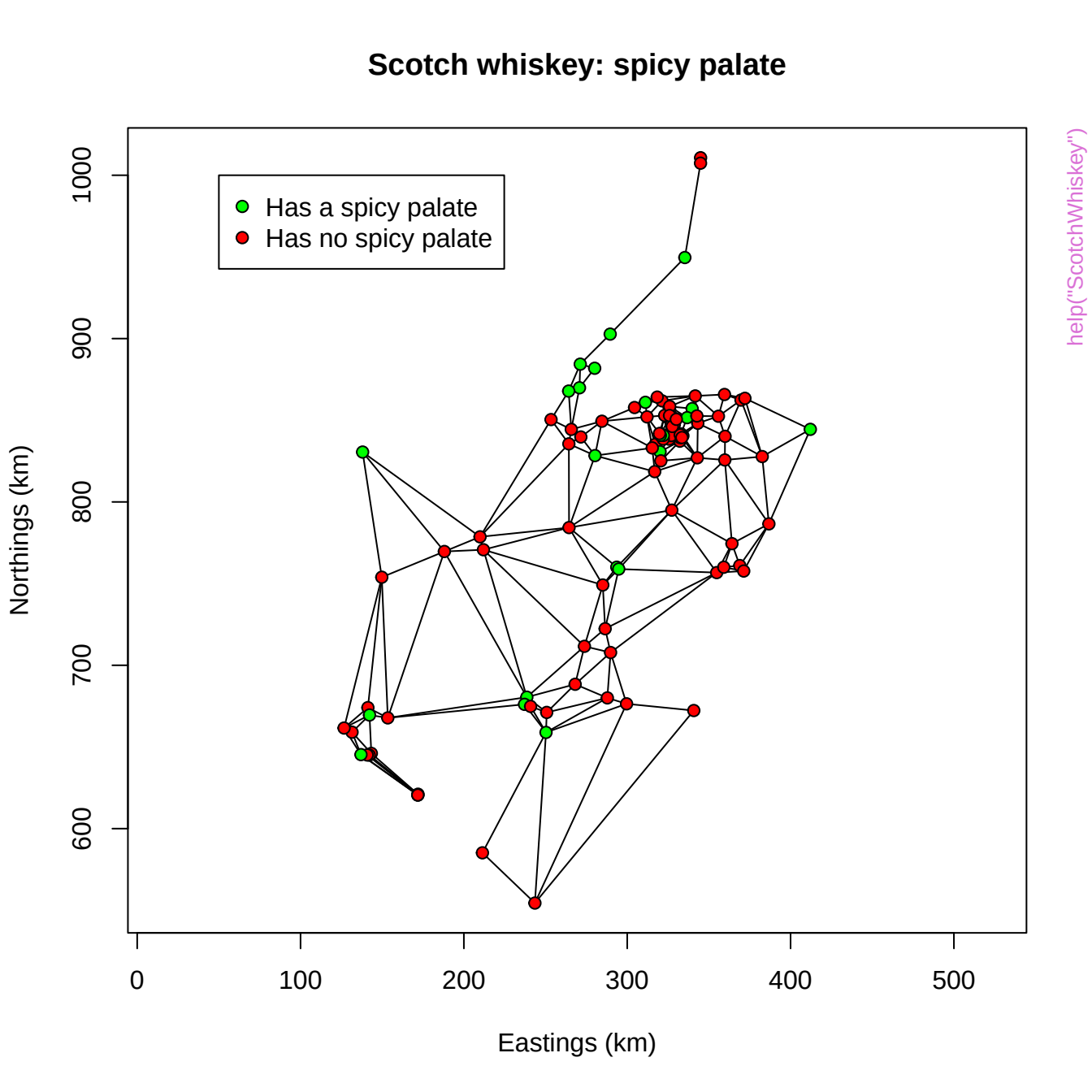


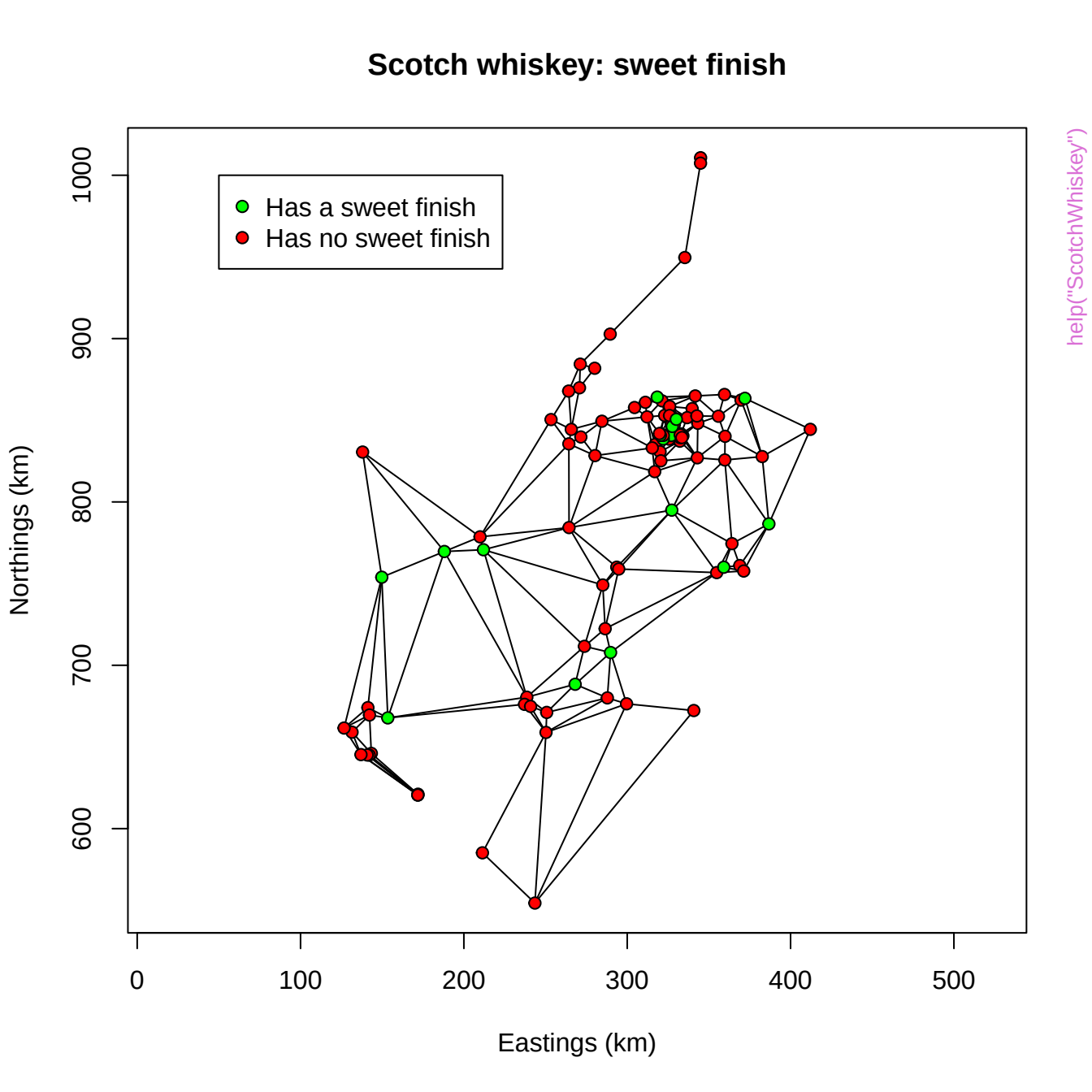


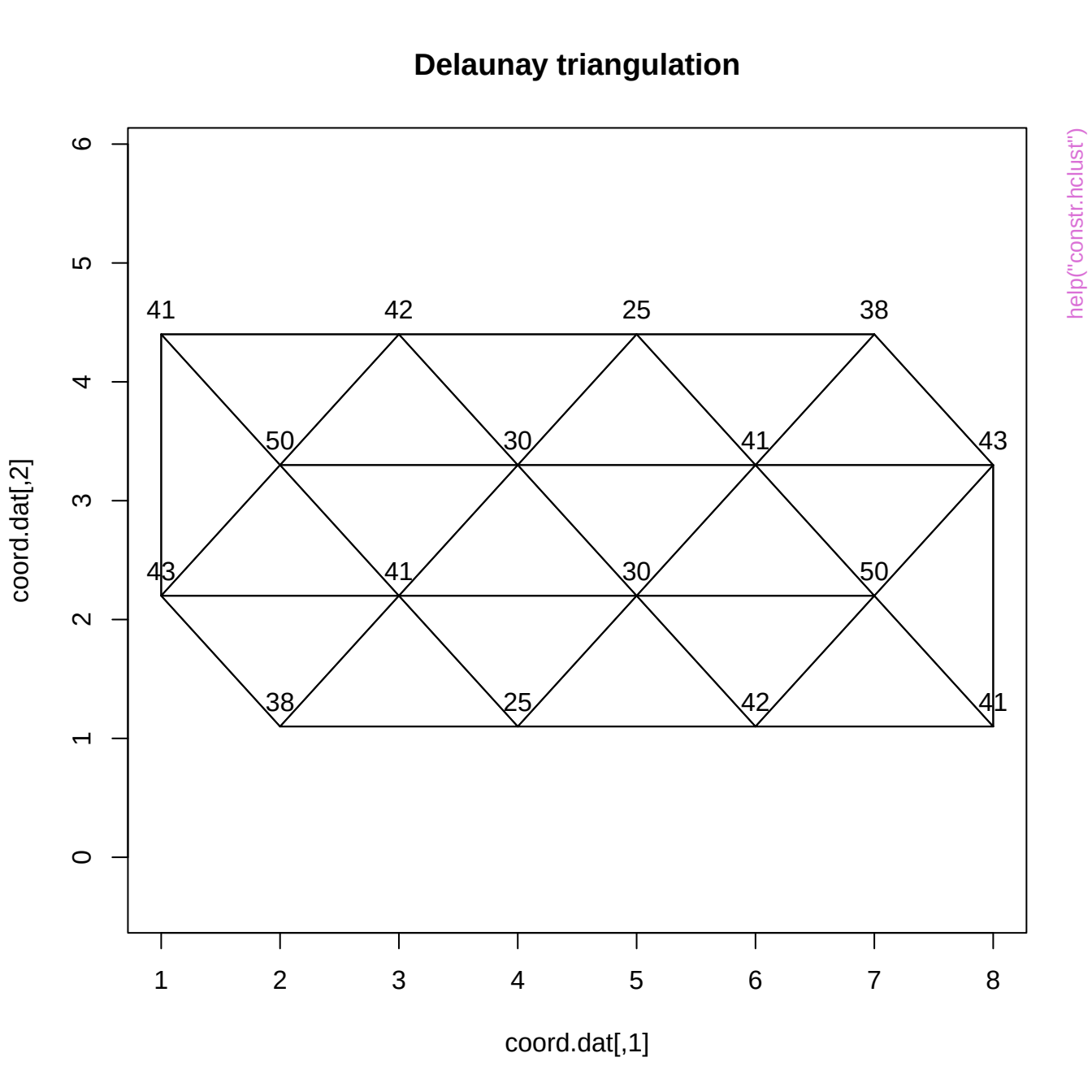
help("Oribates")

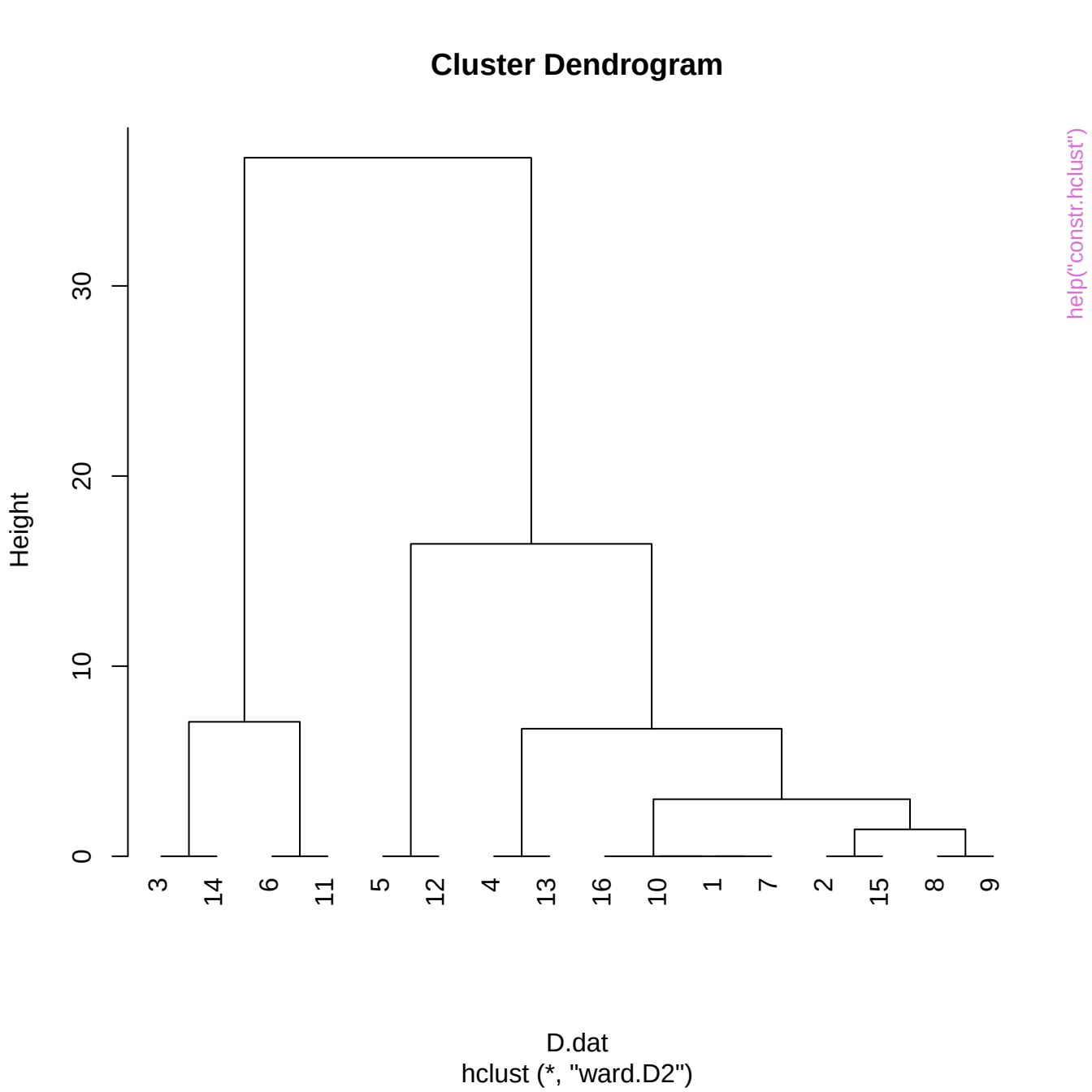

Scotch whiskey: peat nose
Has a peat nose
Has no peat nose
Northings (km)
600
700
800
900
1000
0
100
200
300
400
500
Eastings (km)
help("ScotchWhiskey")

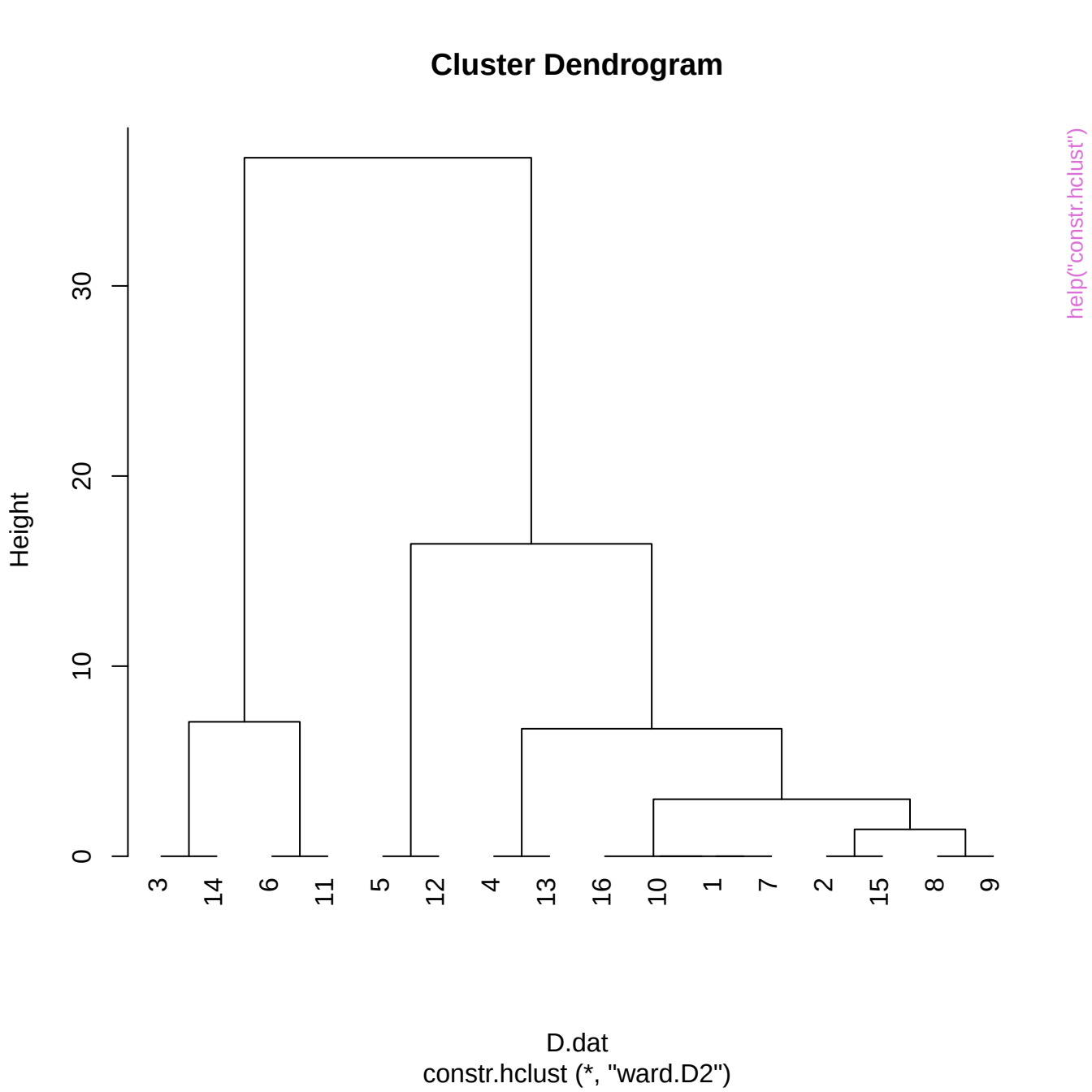

Scotch whiskey: soft body
Has a soft body
Has no soft body
Northings (km)
600
700
800
900
1000
0
100
200
300
400
500
Eastings (km)
help("ScotchWhiskey")

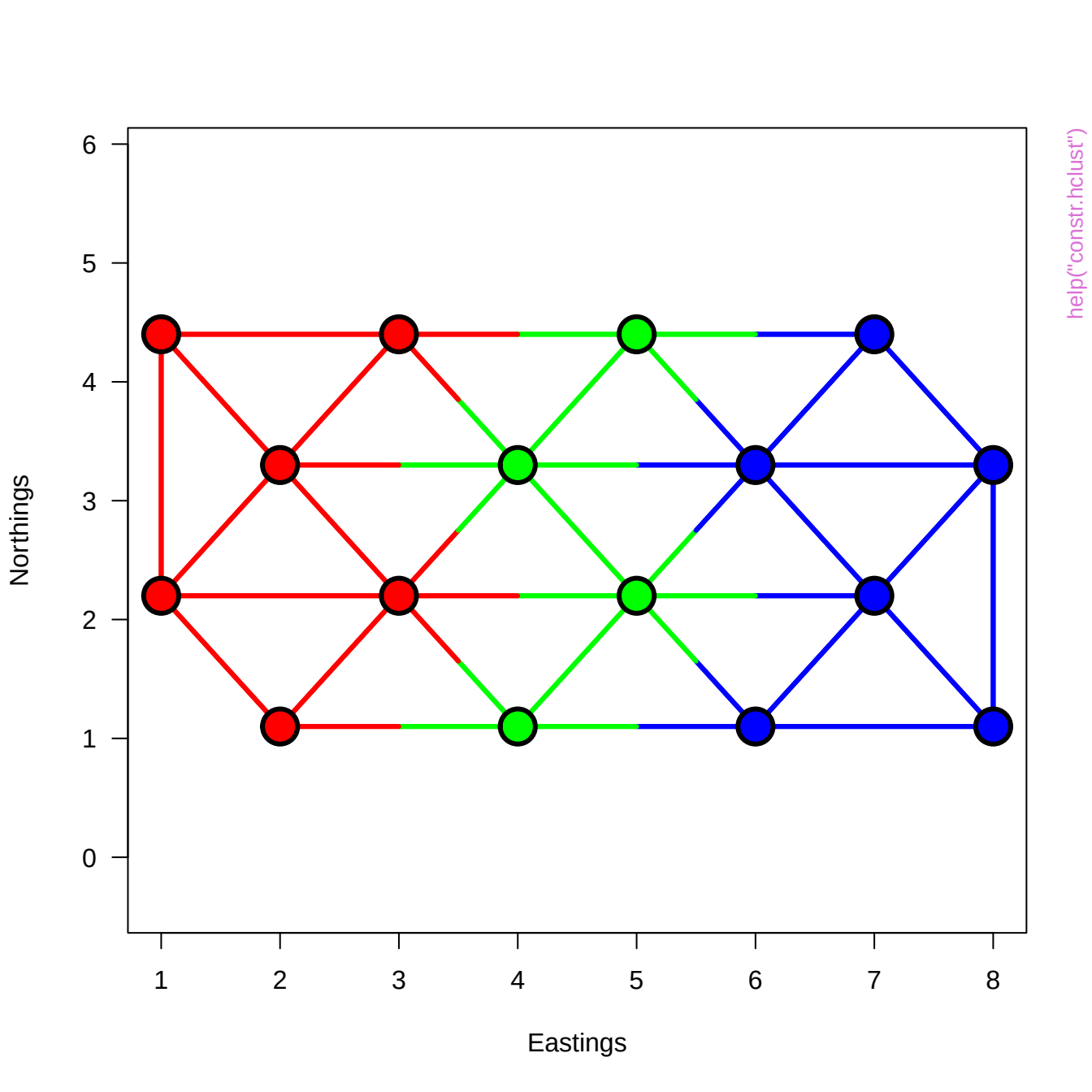

Scotch whiskey: spicy palate
Has a spicy palate
Has no spicy palate
Northings (km)
600
700
800
900
1000
0
100
200
300
400
500
Eastings (km)
help("ScotchWhiskey")

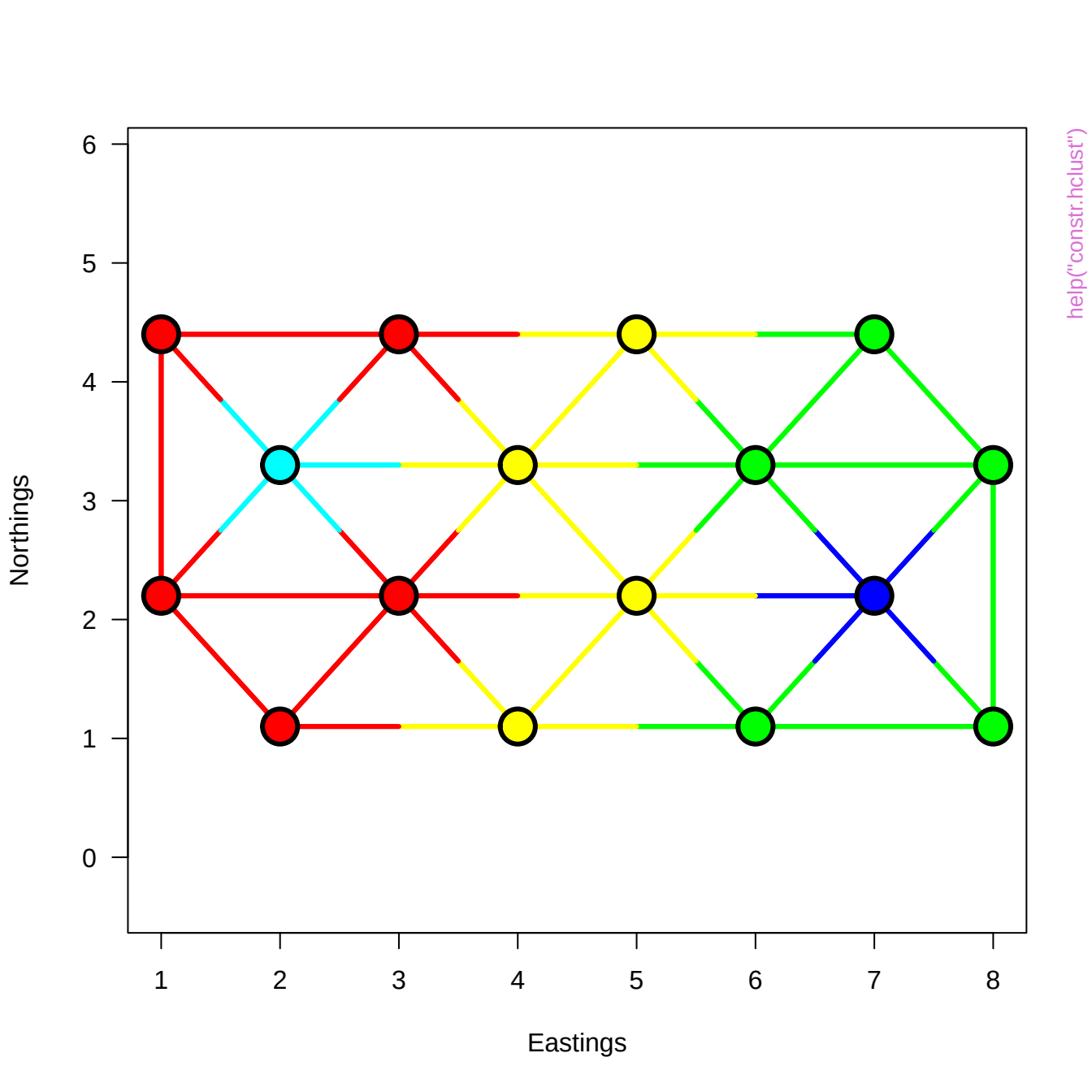

Scotch whiskey: sweet finish
Has a sweet finish
Has no sweet finish
Northings (km)
600
700
800
900
1000
0
100
200
300
400
500
Eastings (km)
help("ScotchWhiskey")

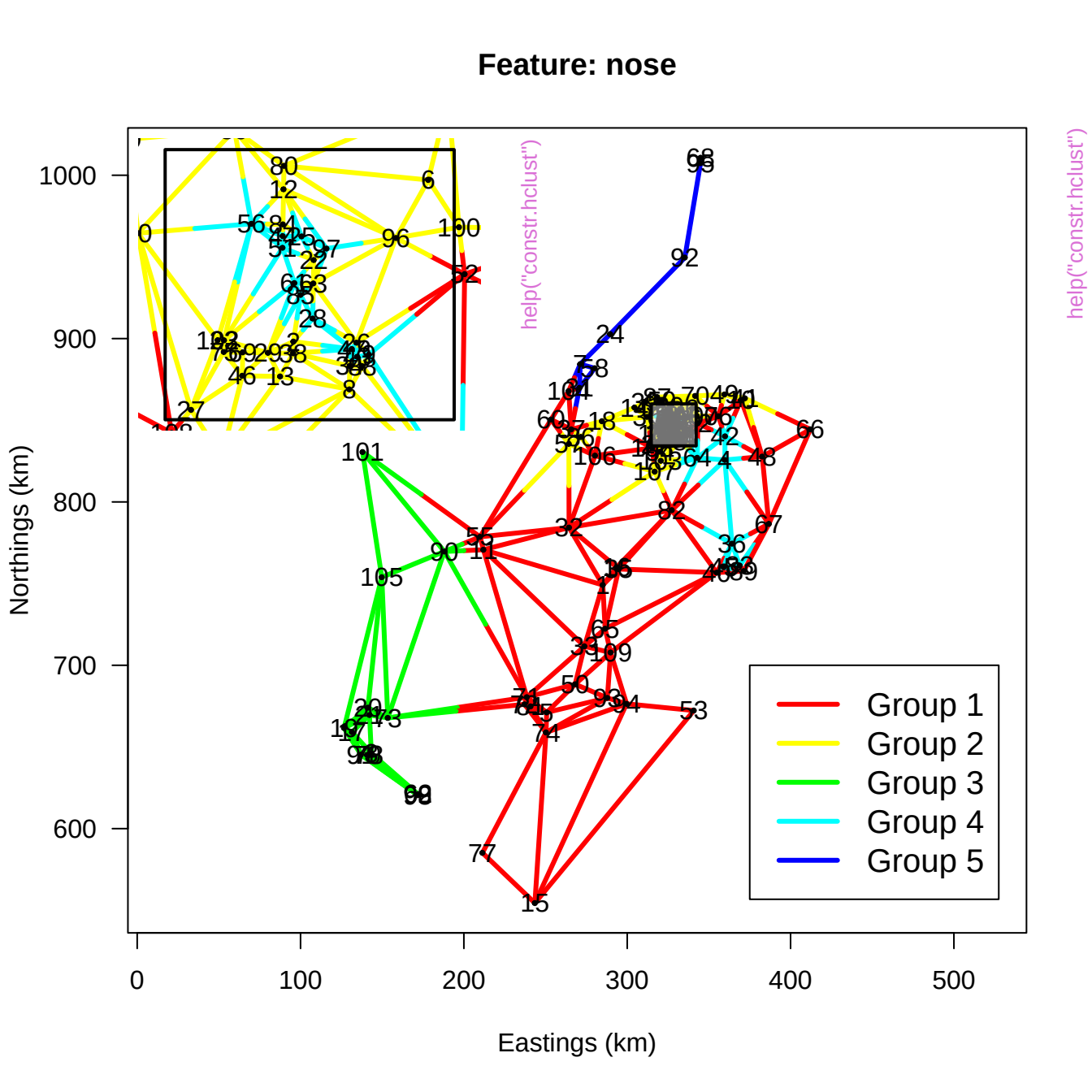

Delaunay triangulation
coord.dat[,2]
coord.dat[,1]
0
1
2
3
4
5
6
1
2
3
4
5
6
7
8
41
42
25
38
50
30
41
43
43
41
30
50
38
25
42
41
help("constr.hclust")

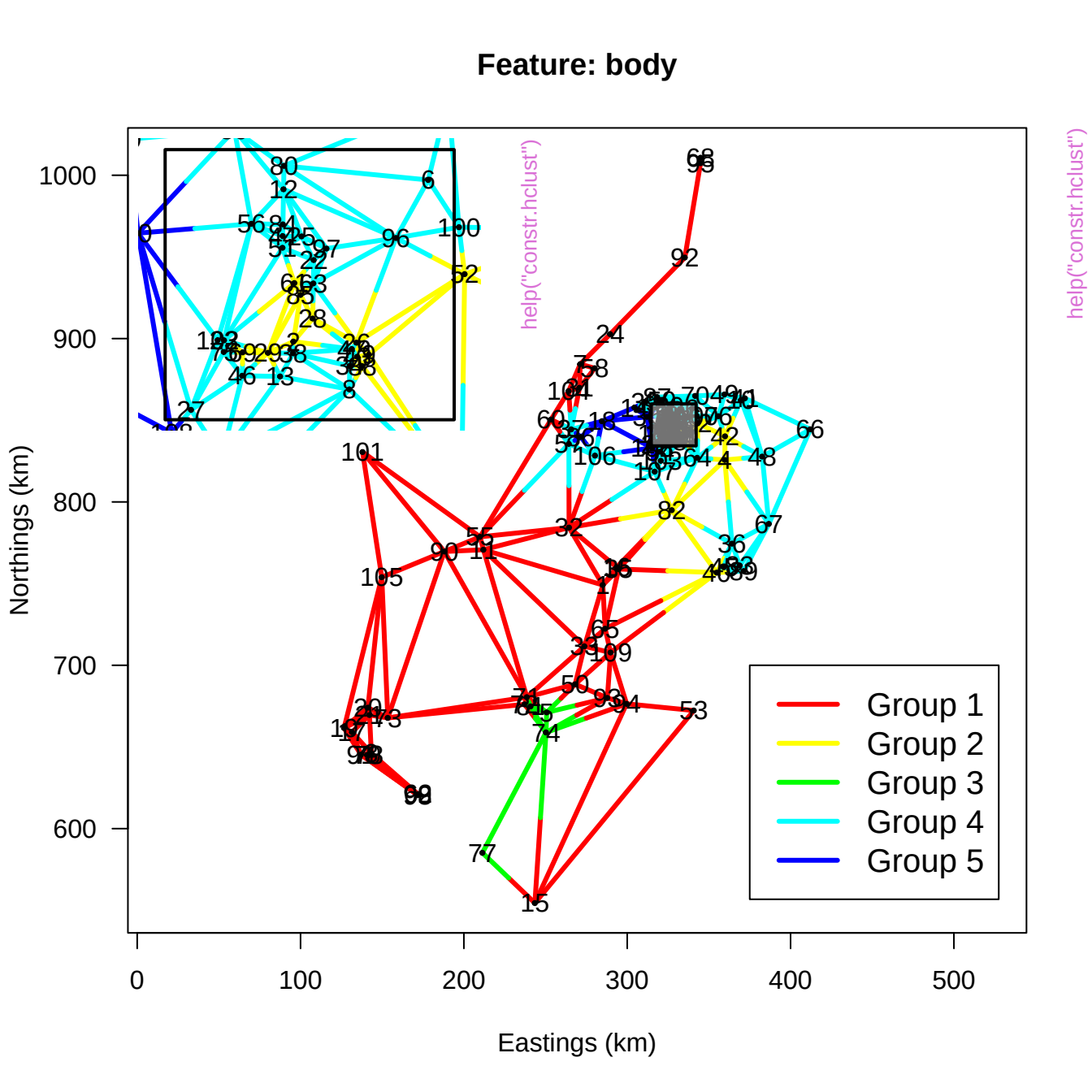

Cluster Dendrogram
Height
0
10
20
30
3
14
6
11
5
12
4
13
16
10
1
7
2
15
8
9
D.dat
hclust (*, "ward.D2")
help("constr.hclust")

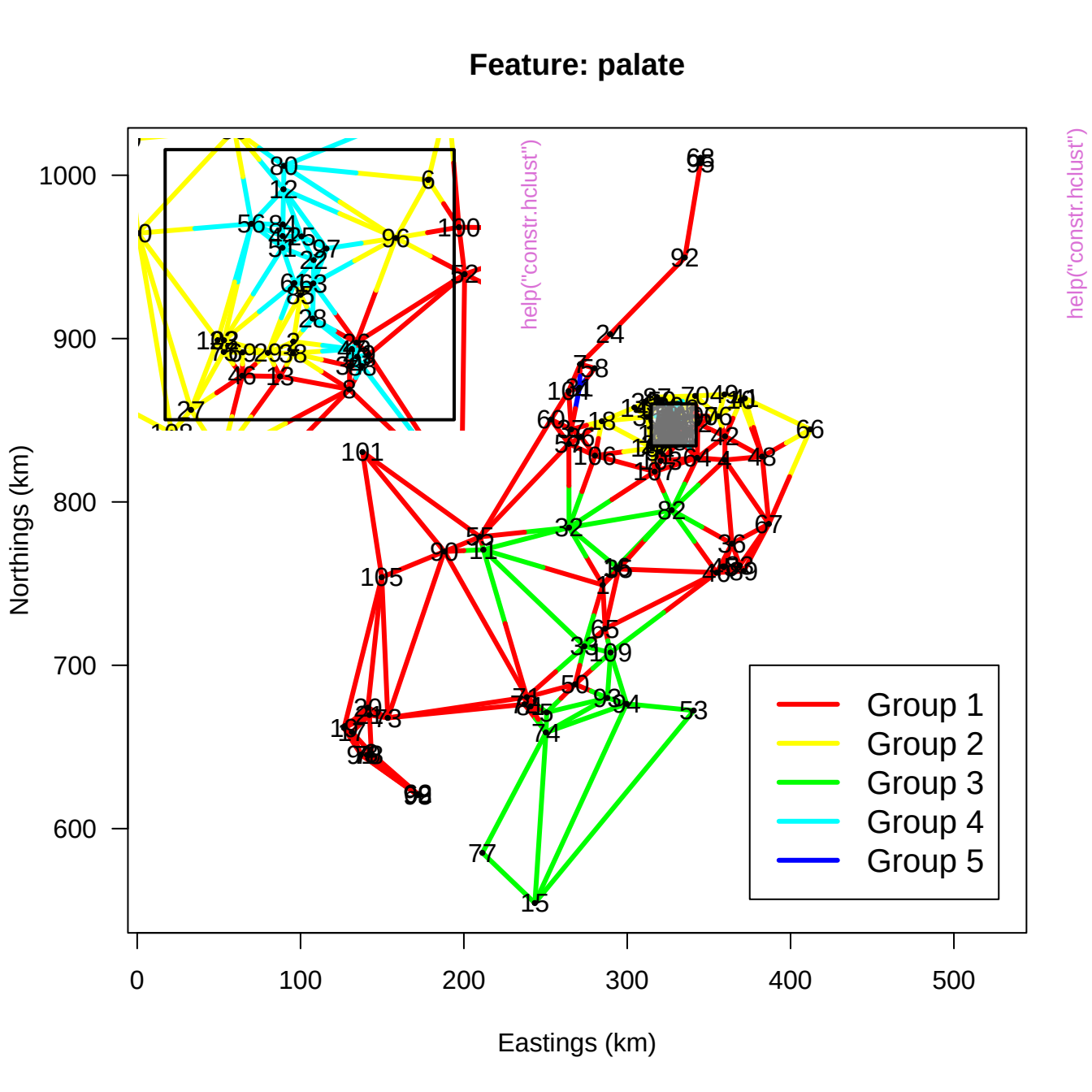

Cluster Dendrogram
Height
0
10
20
30
3
14
6
11
5
12
4
13
16
10
1
7
2
15
8
9
D.dat
constr.hclust (*, "ward.D2")
help("constr.hclust")

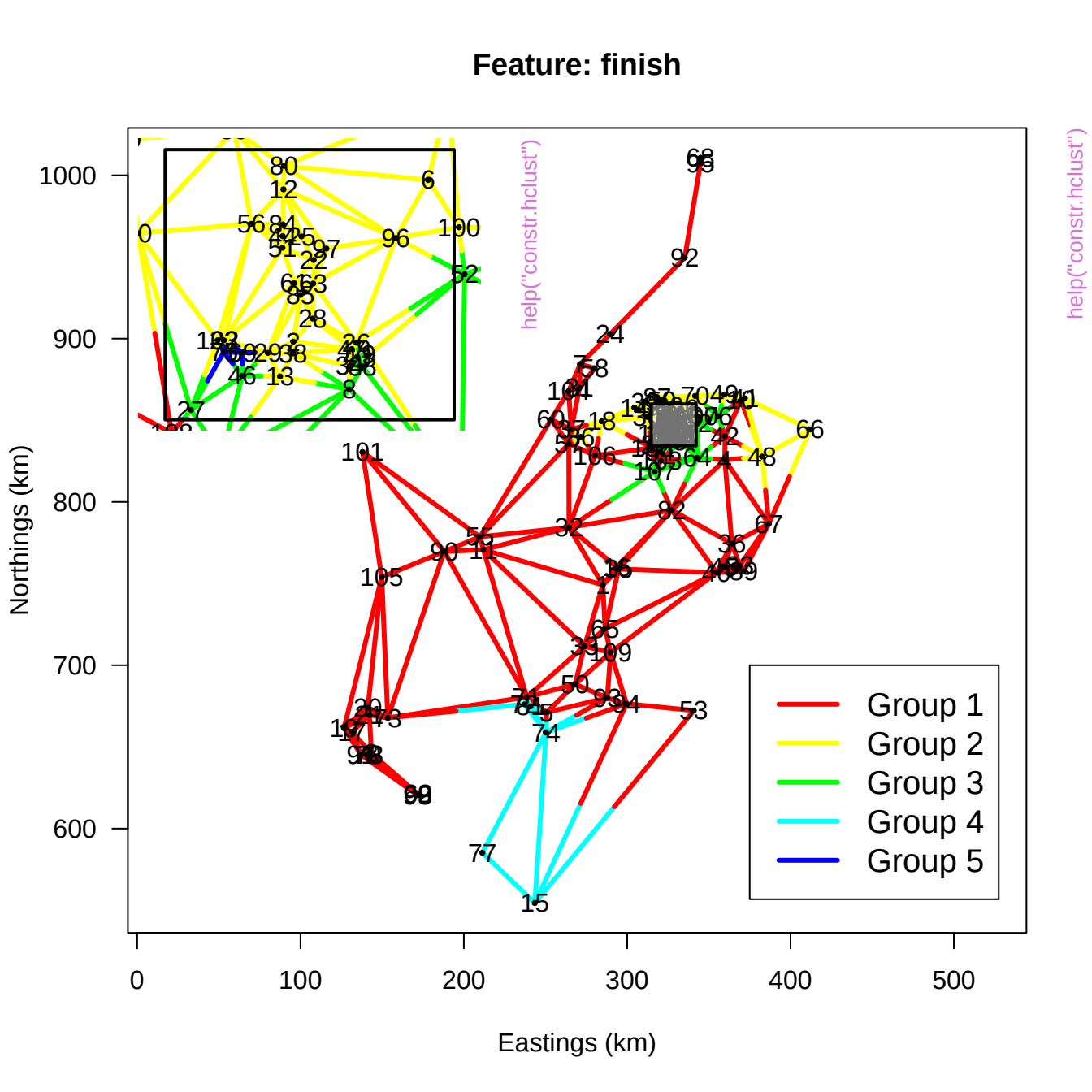

help("constr.hclust")
Northings
Eastings
0
1
2
3
4
5
6
1
2
3
4
5
6
7
8

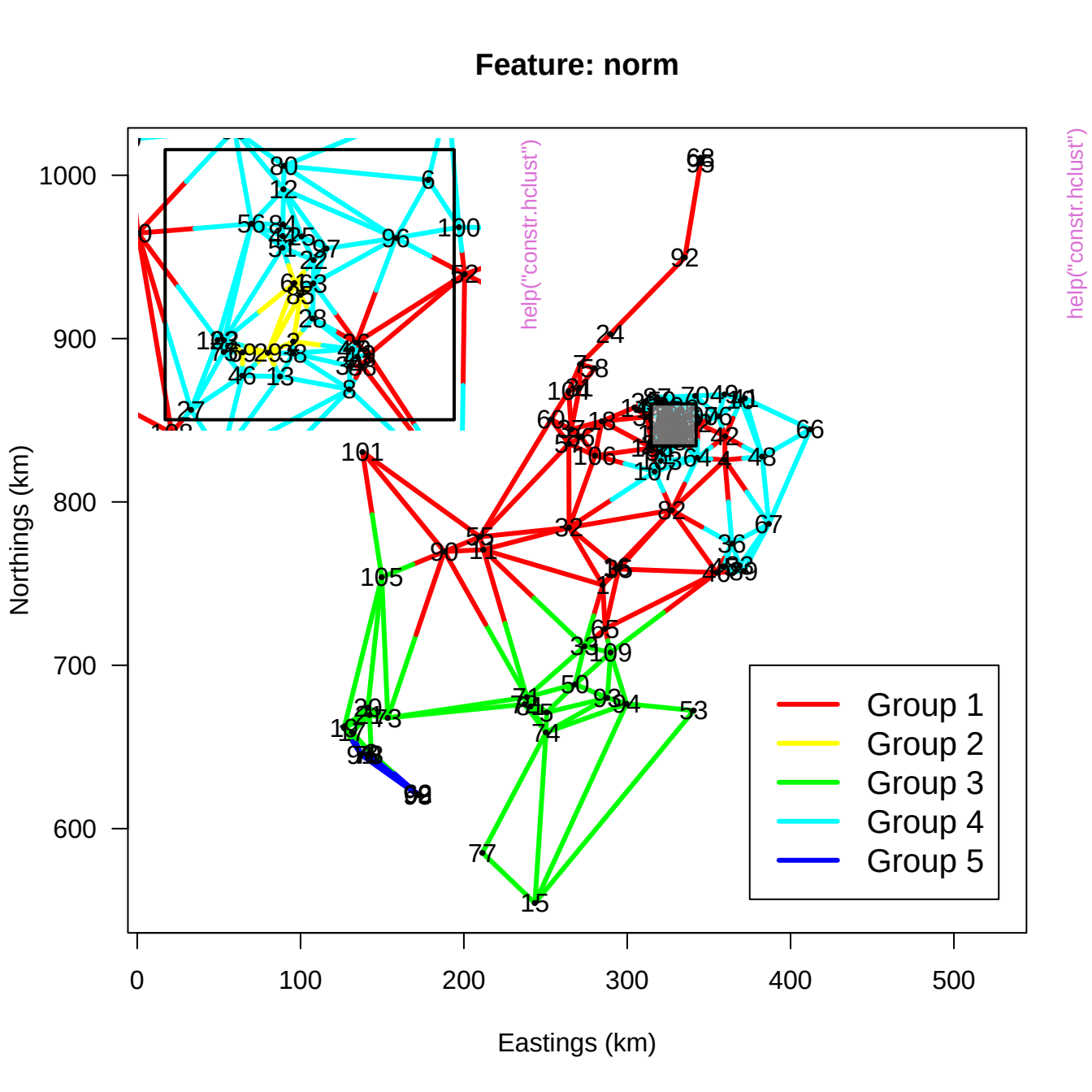

help("constr.hclust")
Northings
Eastings
0
1
2
3
4
5
6
1
2
3
4
5
6
7
8

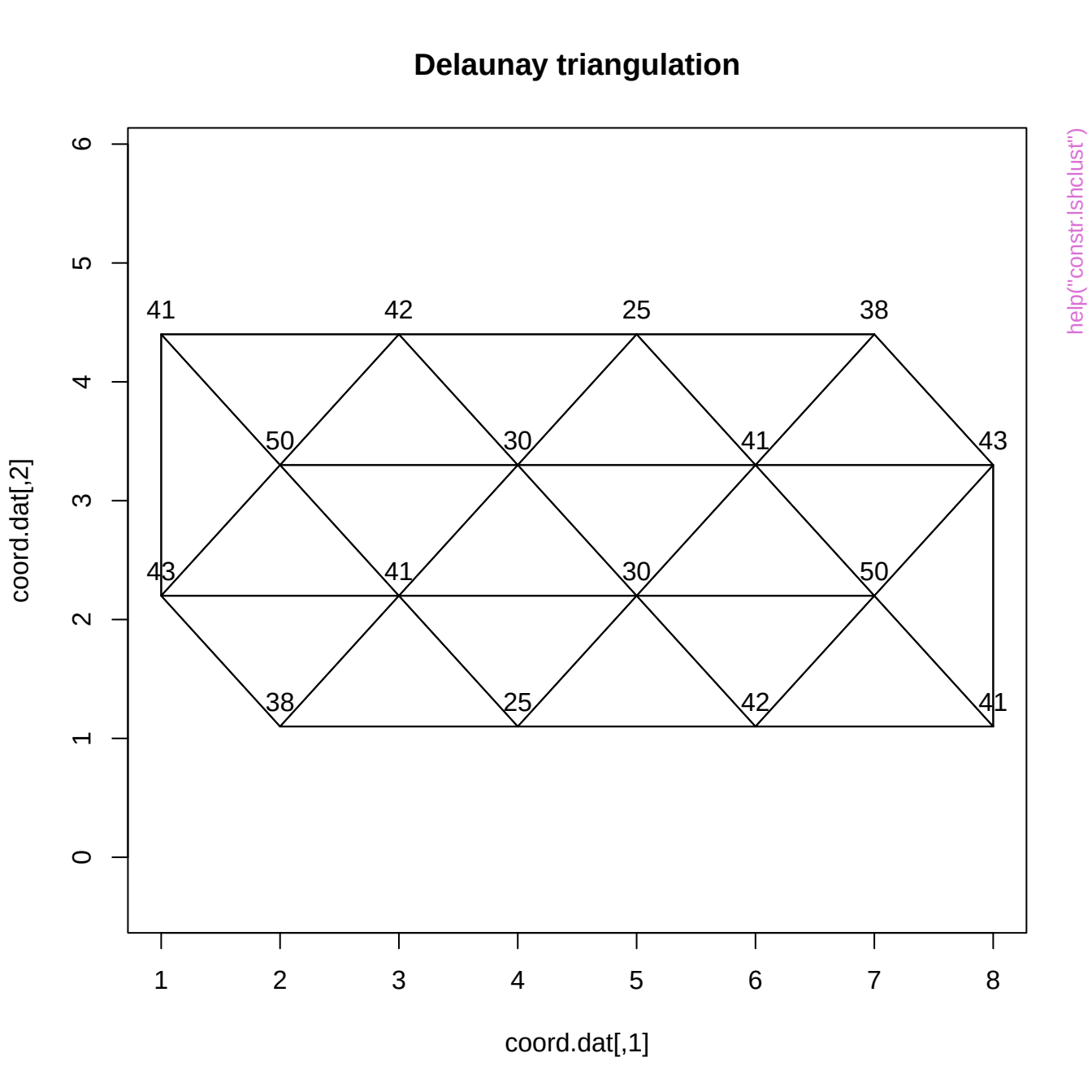

Feature: nose
help("constr.hclust")
help("constr.hclust")
Northings (km)
Eastings (km)
1000
900
800
700
600
0
100
200
300
400
500
Group 1
Group 2
Group 3
Group 4
Group 5

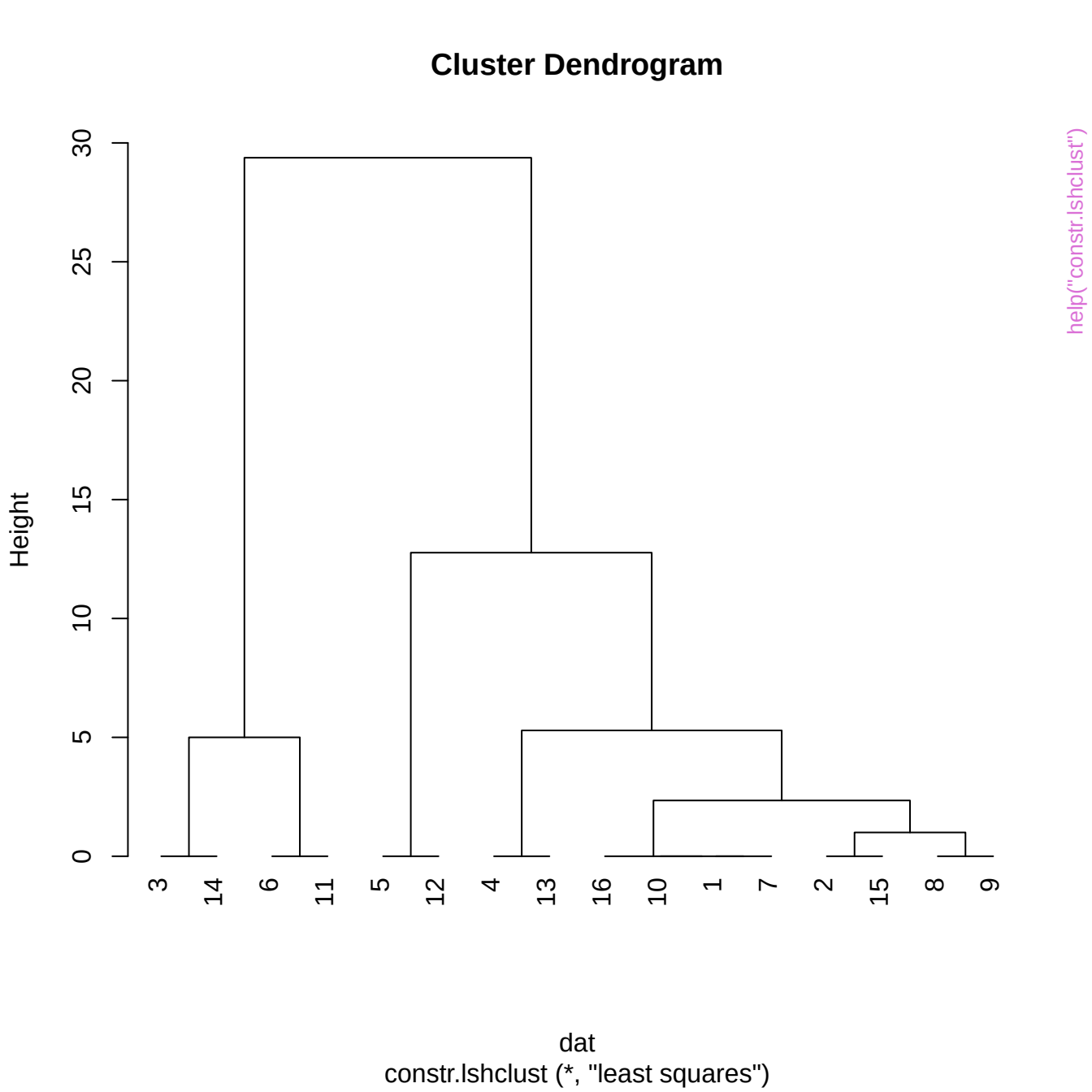

Feature: body
Northings (km)
Eastings (km)
1000
900
800
700
600
0
100
200
300
400
500
Group 1
Group 2
Group 3
Group 4
Group 5
help("constr.hclust")
help("constr.hclust")

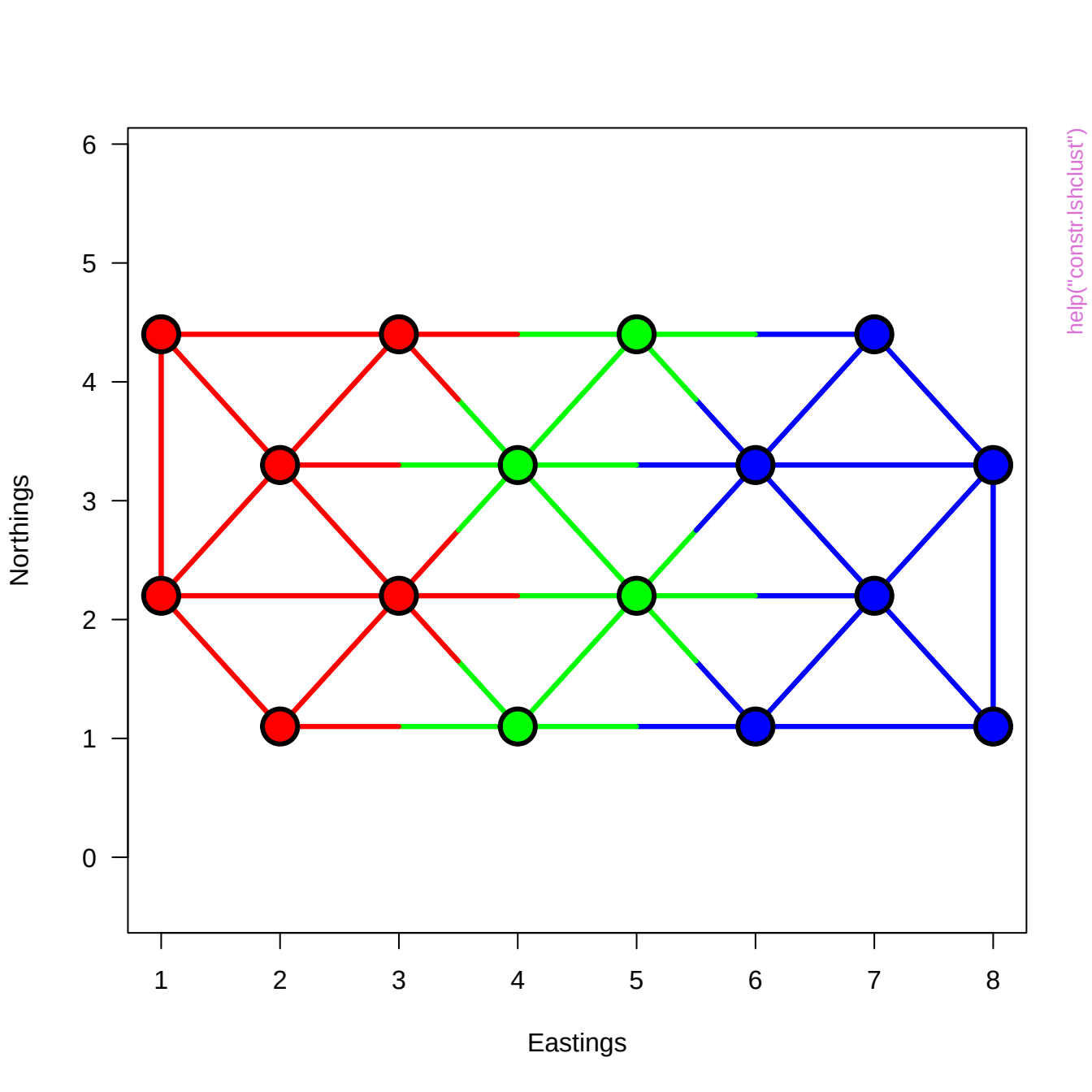

Feature: palate
help("constr.hclust")
help("constr.hclust")
Northings (km)
Eastings (km)
1000
900
800
700
600
0
100
200
300
400
500
Group 1
Group 2
Group 3
Group 4
Group 5

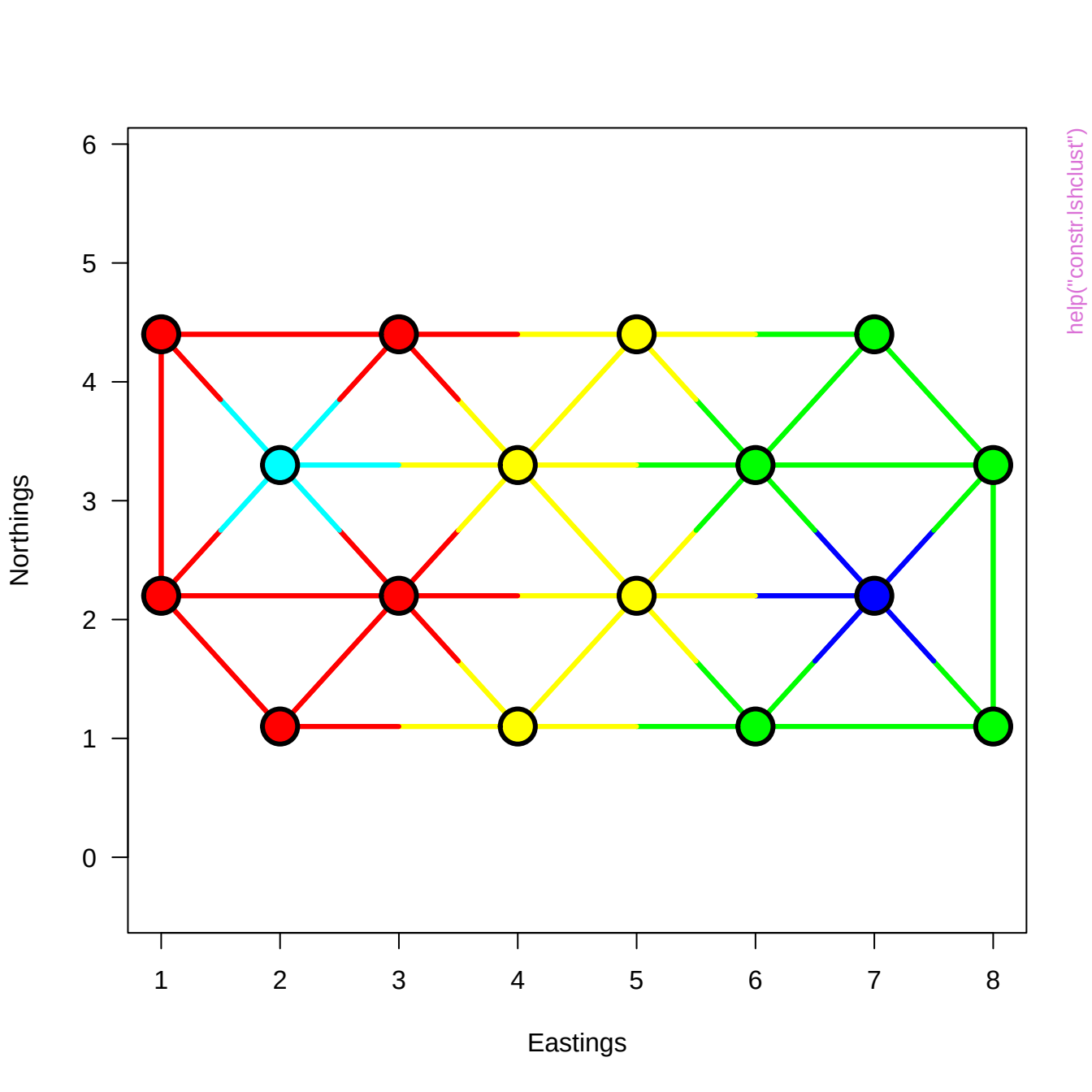

Feature: finish
help("constr.hclust")
help("constr.hclust")
Northings (km)
Eastings (km)
1000
900
800
700
600
0
100
200
300
400
500
Group 1
Group 2
Group 3
Group 4
Group 5

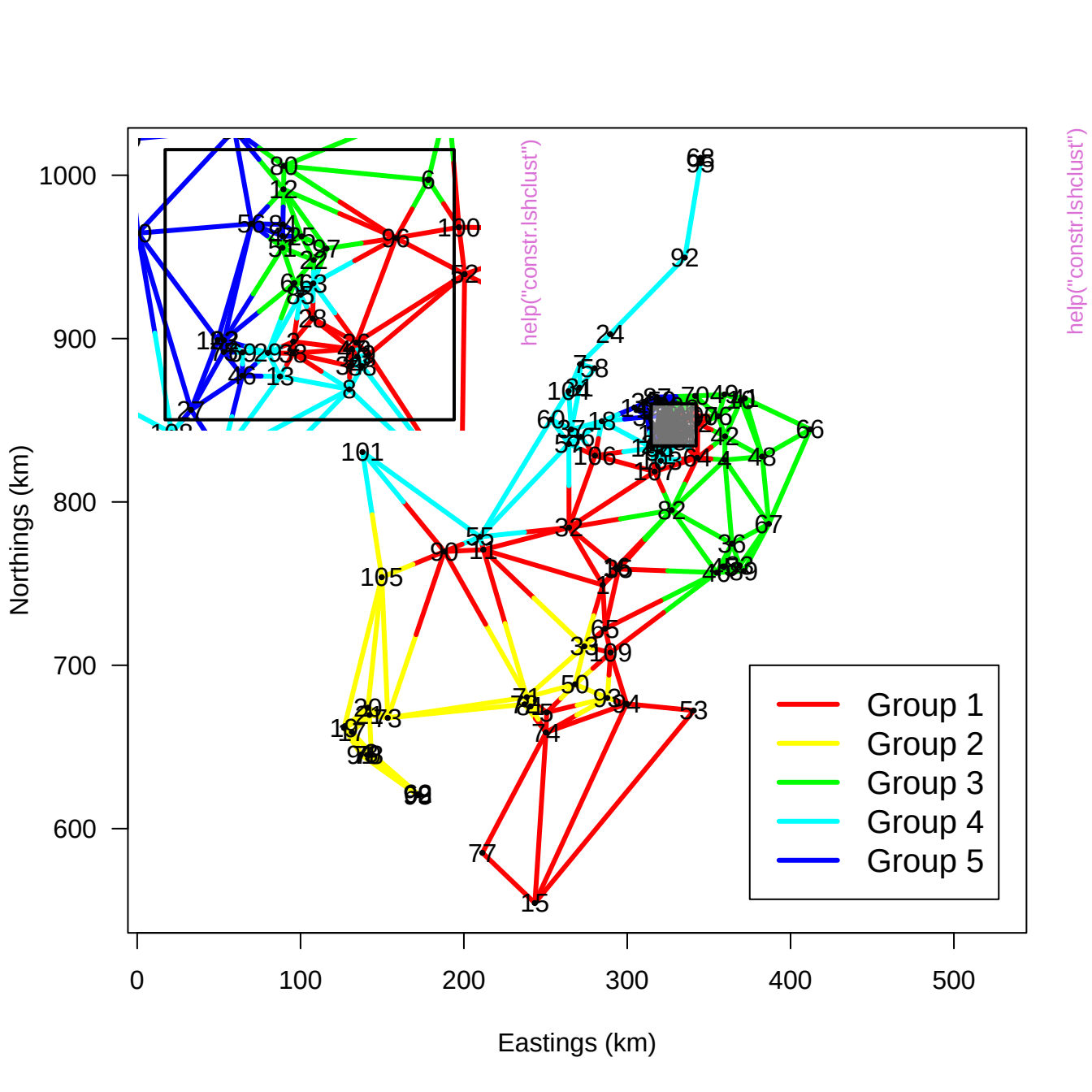

Feature: norm
Northings (km)
Eastings (km)
1000
900
800
700
600
0
100
200
300
400
500
Group 1
Group 2
Group 3
Group 4
Group 5
help("constr.hclust")
help("constr.hclust")

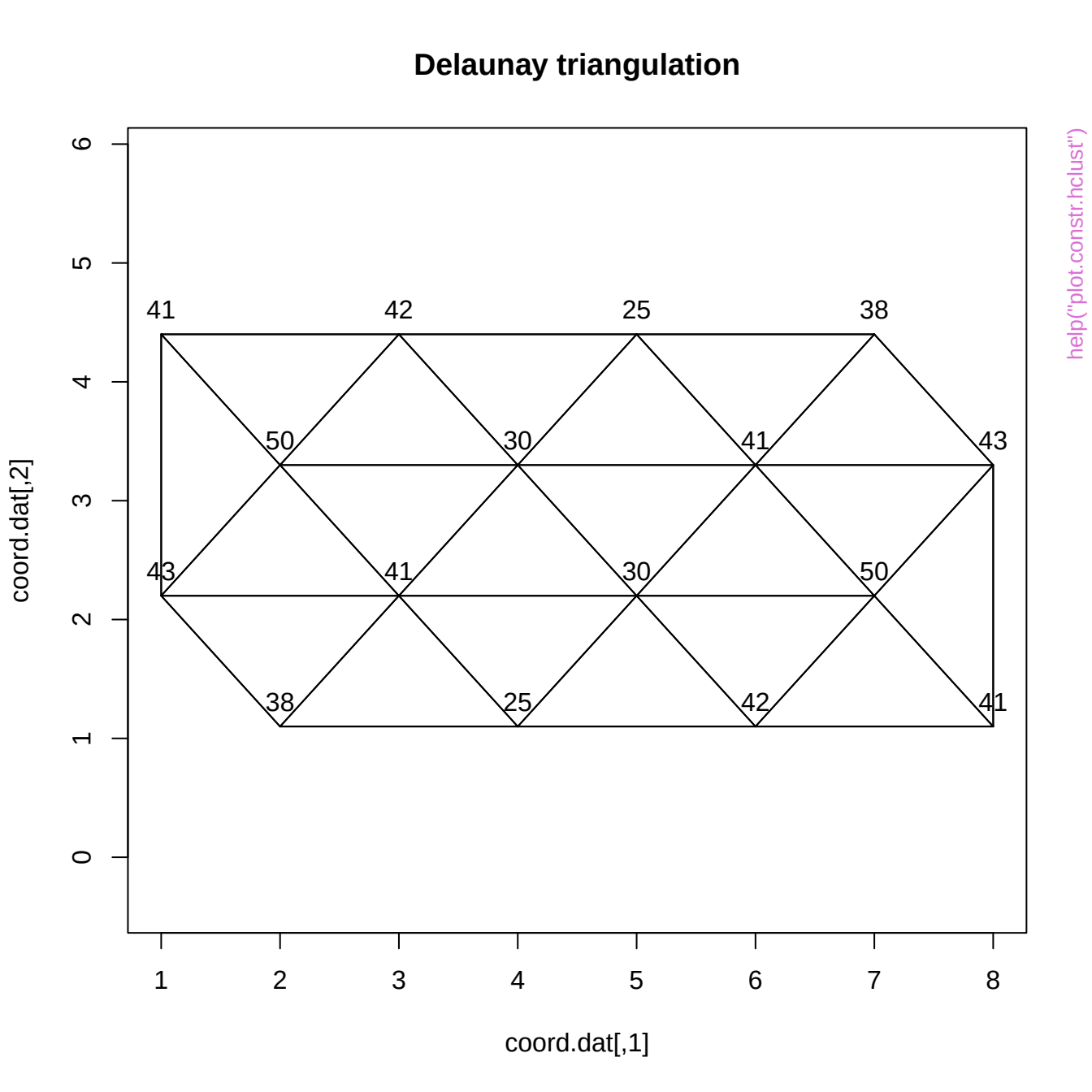

Delaunay triangulation
coord.dat[,2]
coord.dat[,1]
0
1
2
3
4
5
6
1
2
3
4
5
6
7
8
41
42
25
38
50
30
41
43
43
41
30
50
38
25
42
41
help("constr.lshclust")

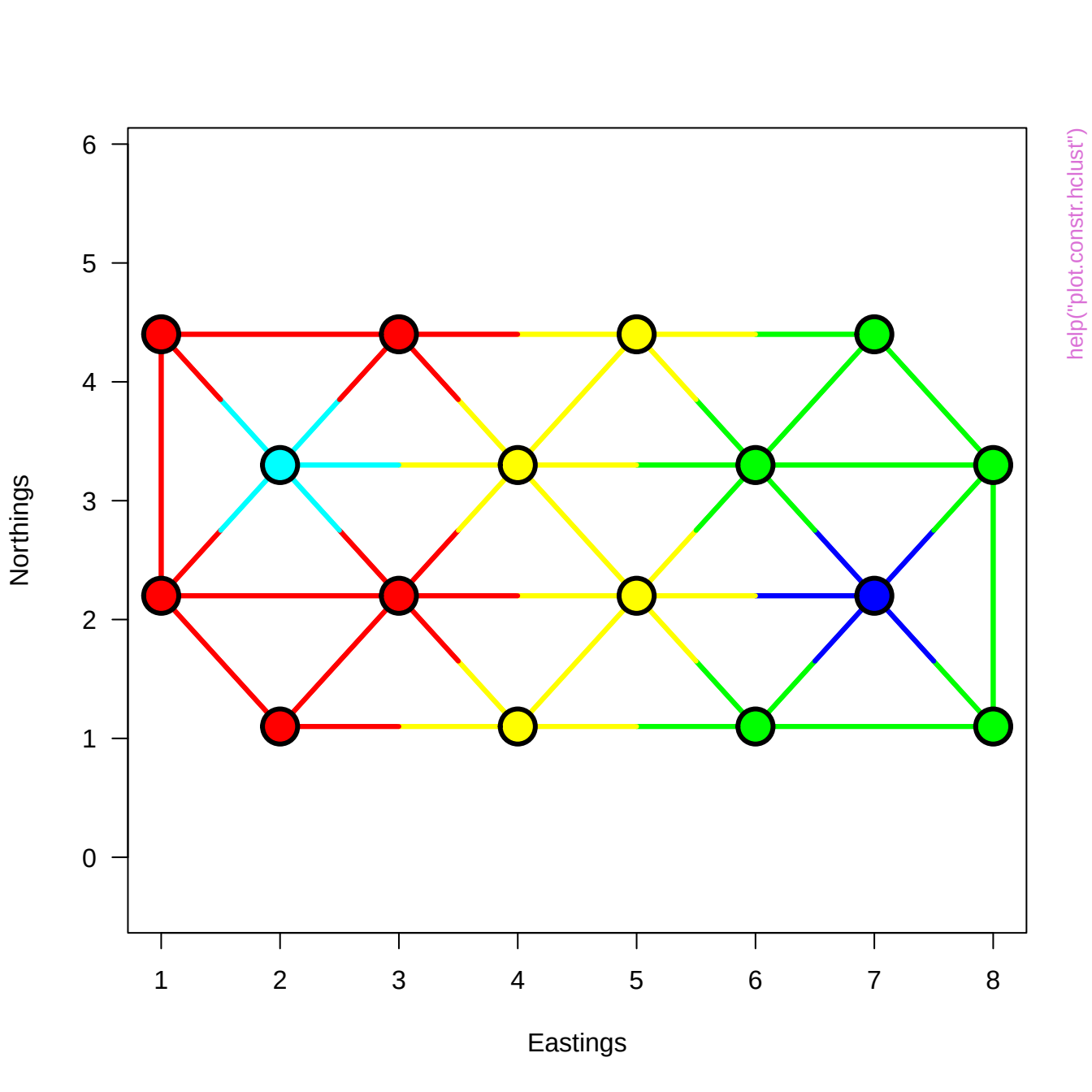

Cluster Dendrogram
Height
0
5
10
15
20
25
30
3
14
6
11
5
12
4
13
16
10
1
7
2
15
8
9
dat
constr.lshclust (*, "least squares")
help("constr.lshclust")


help("constr.lshclust")
Northings
Eastings
0
1
2
3
4
5
6
1
2
3
4
5
6
7
8


help("constr.lshclust")
Northings
Eastings
0
1
2
3
4
5
6
1
2
3
4
5
6
7
8


help("constr.lshclust")
help("constr.lshclust")
Northings (km)
Eastings (km)
1000
900
800
700
600
0
100
200
300
400
500
Group 1
Group 2
Group 3
Group 4
Group 5


Delaunay triangulation
help("plot.constr.hclust")
coord.dat[,2]
coord.dat[,1]
0
1
2
3
4
5
6
1
2
3
4
5
6
7
8
41
42
25
38
50
30
41
43
43
41
30
50
38
25
42
41


help("plot.constr.hclust")
Northings
Eastings
0
1
2
3
4
5
6
1
2
3
4
5
6
7
8