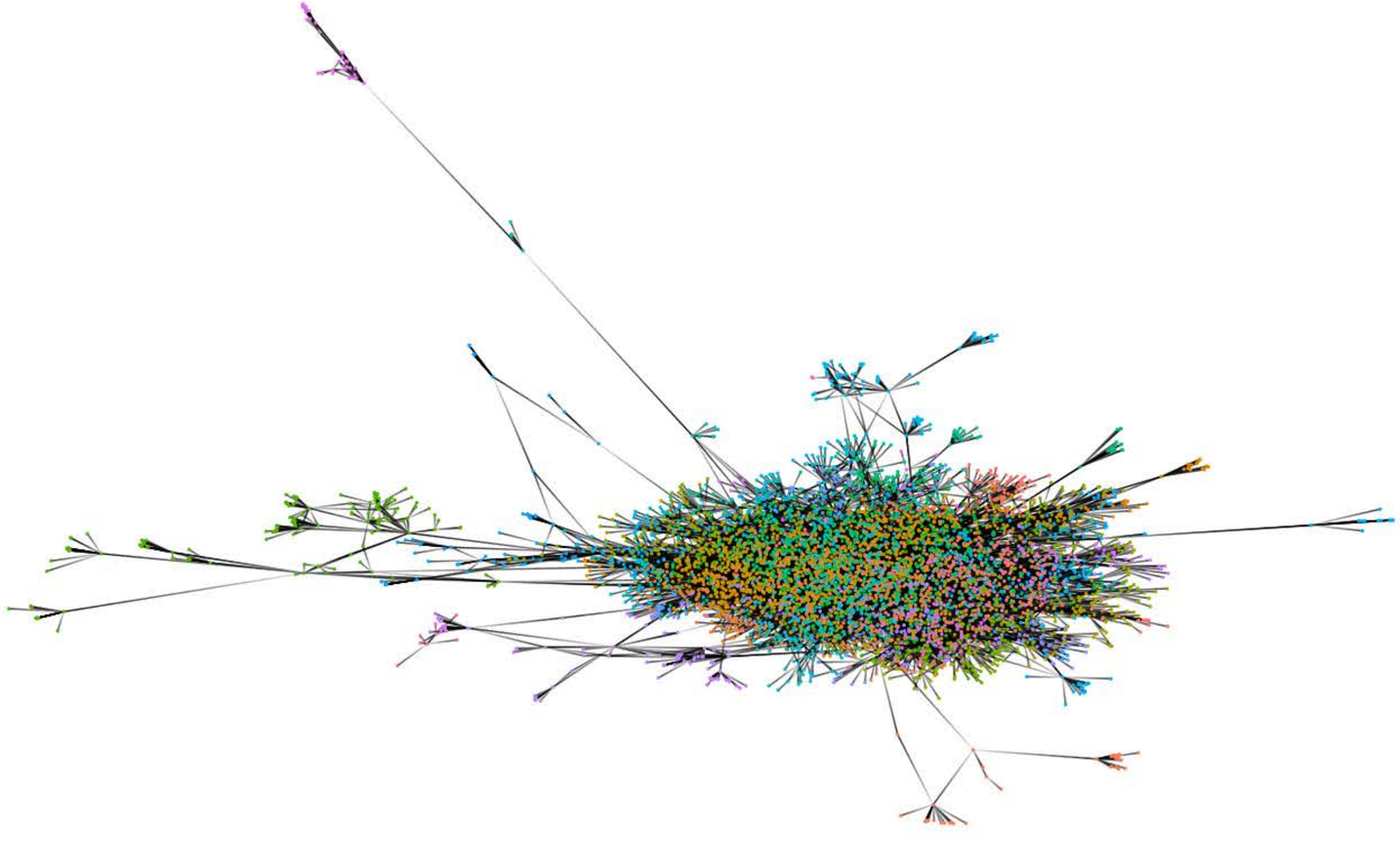
Co-authorship network of political psychology scholars

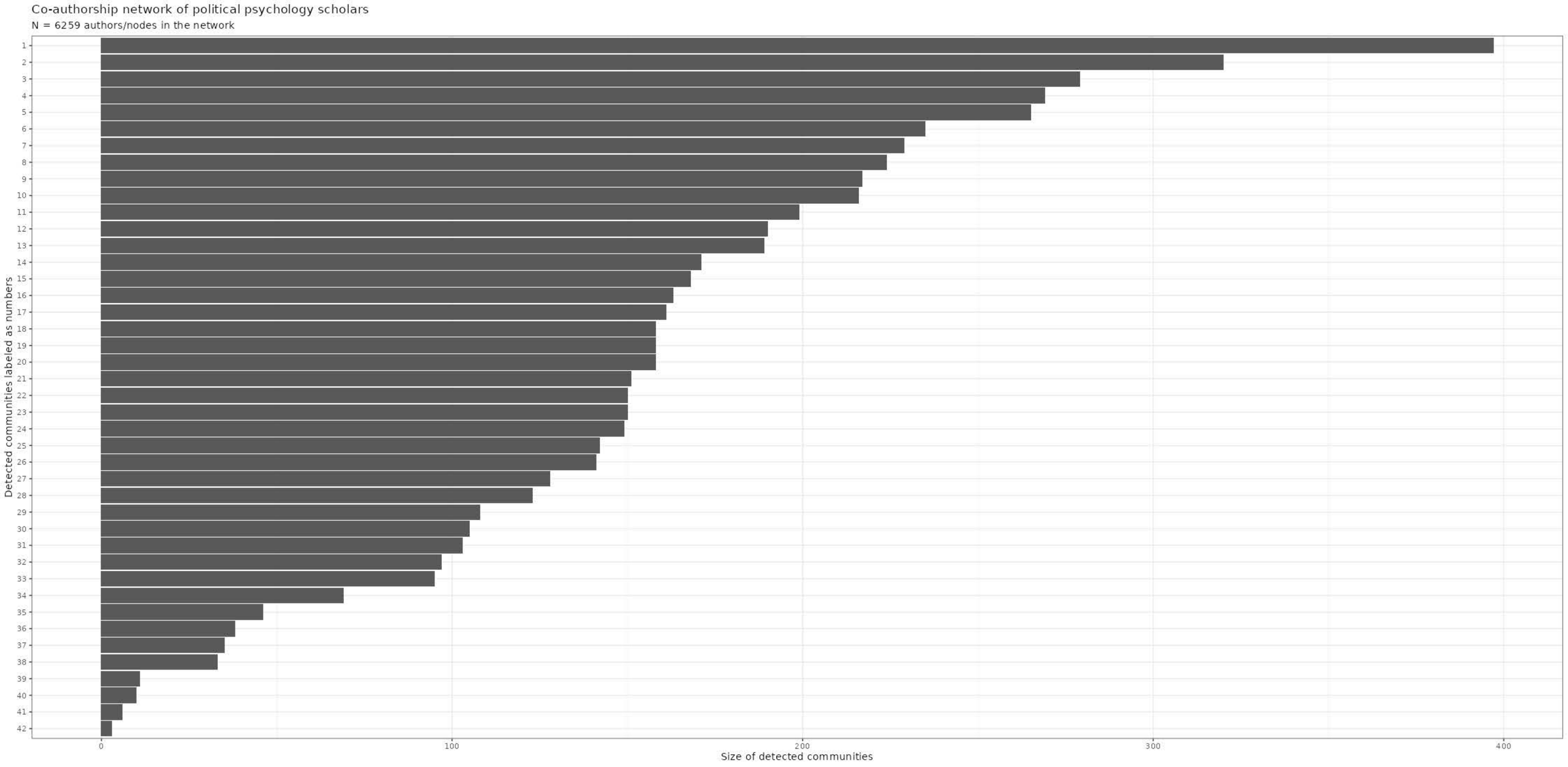
N = 6259 authors/nodes in the network



community

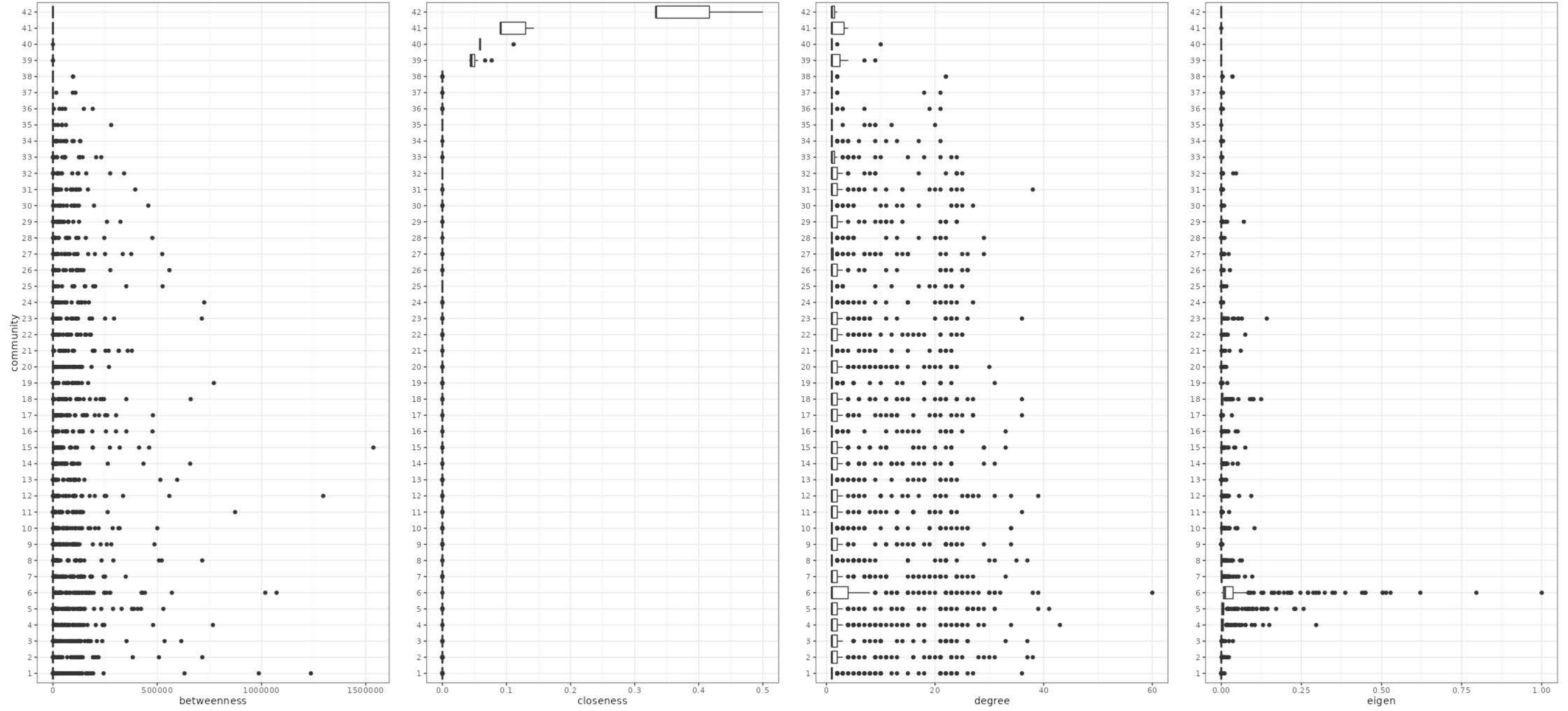
1	15	29
2	16	30
3	17	31
4	18	32
5	19	33
6	20	34
7	21	35
8	22	36
9	23	37
10	24	38
11	25	39
12	26	40
13	27	41
14	28	42

Community detection with Louvain algorithm


Co-authorship network of political psychology scholars
N = 6259 authors/nodes in the network
Detected communities labeled as numbers
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
0
100
200
300
400
Size of detected communities

Co-authorship network of political psychology scholars

Boxplots of network centrality measures by detected community



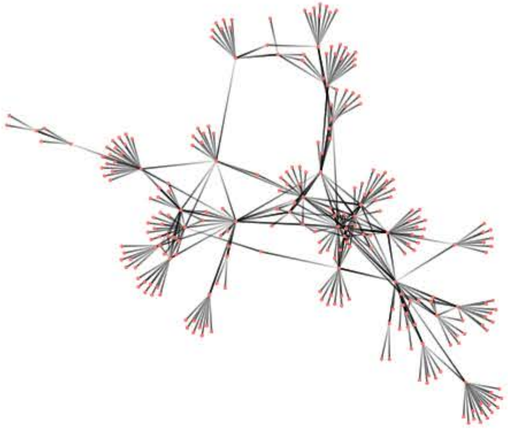
Chosen communities for further investigation are 1, 4, 5, 6, 11, 12, 15

Co-authorship network of political psychology scholars

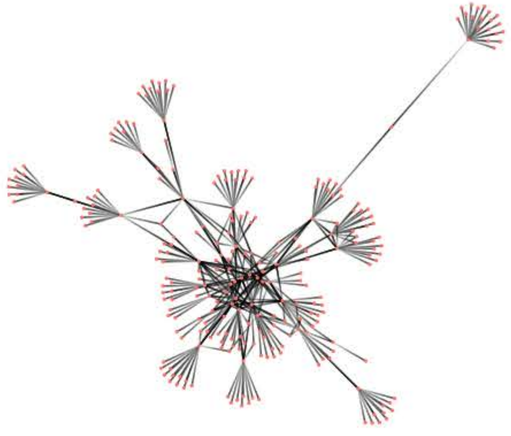
broken down by 6 selected communities

Community 1

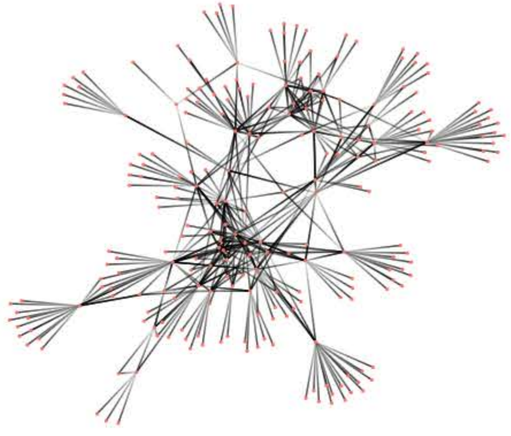
Community 4



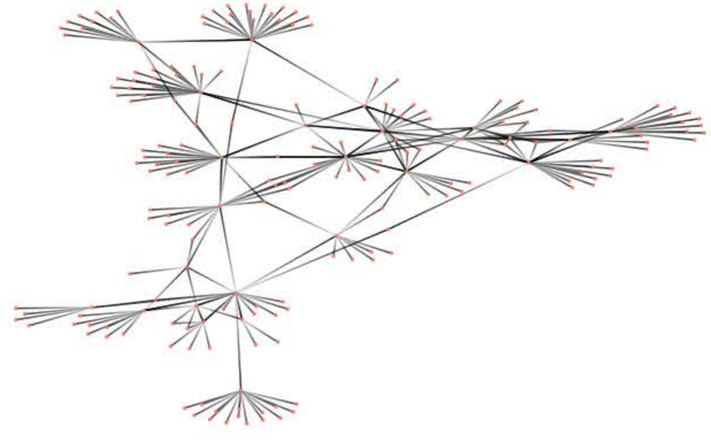
Community 5



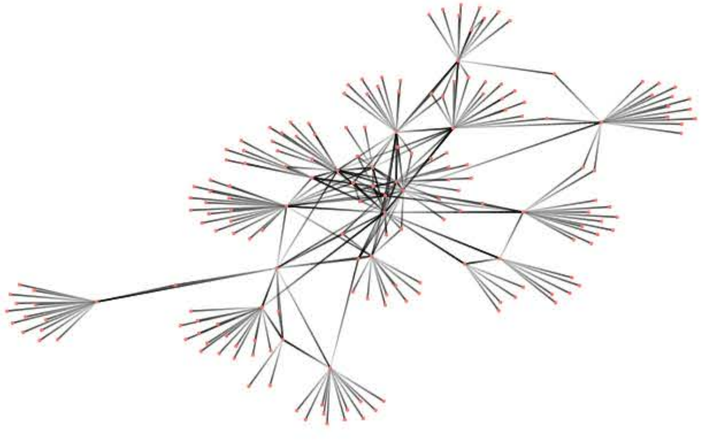
Community 6



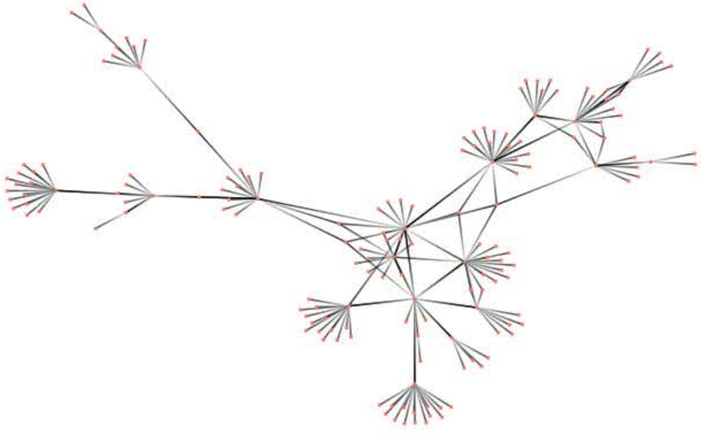
Community 11



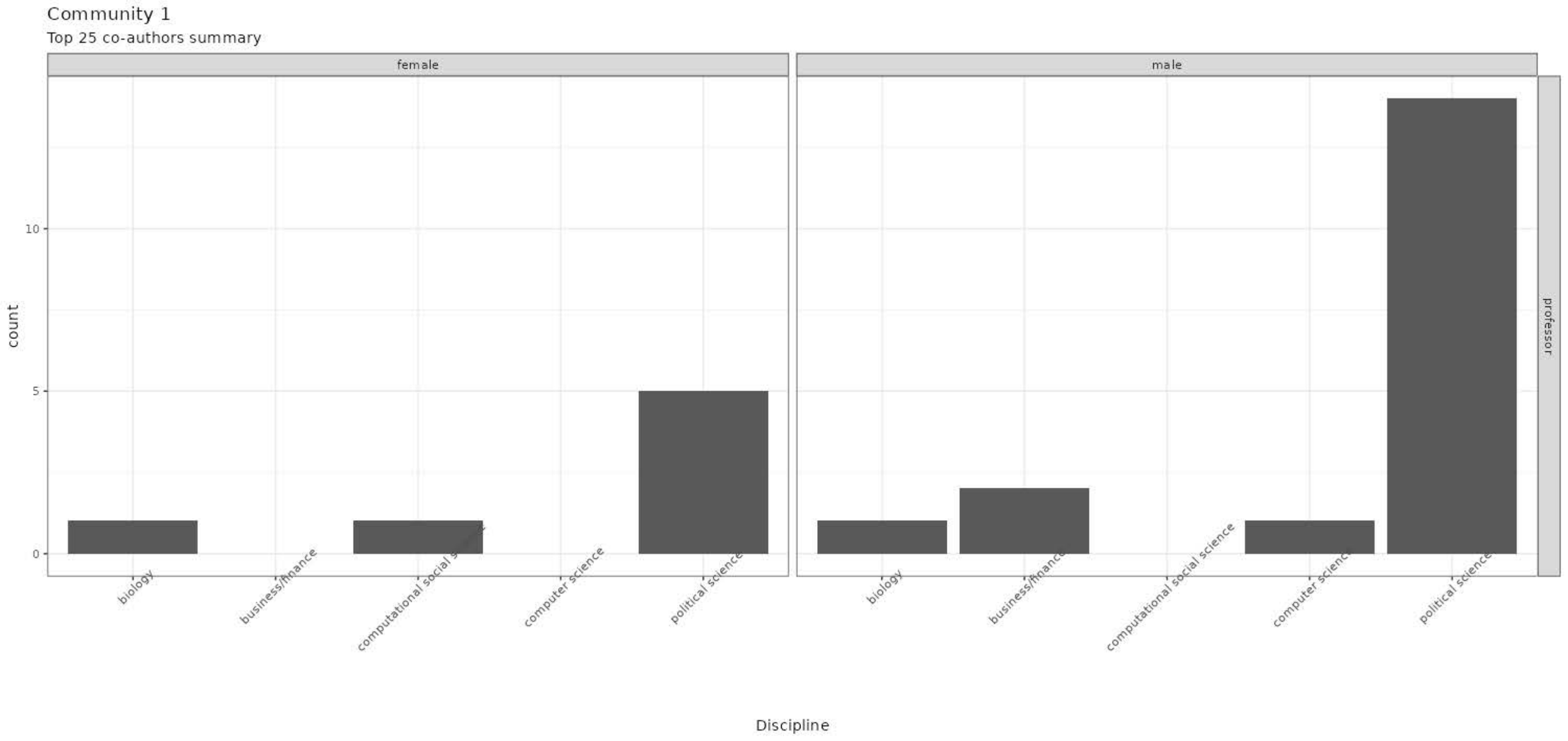
Community 12



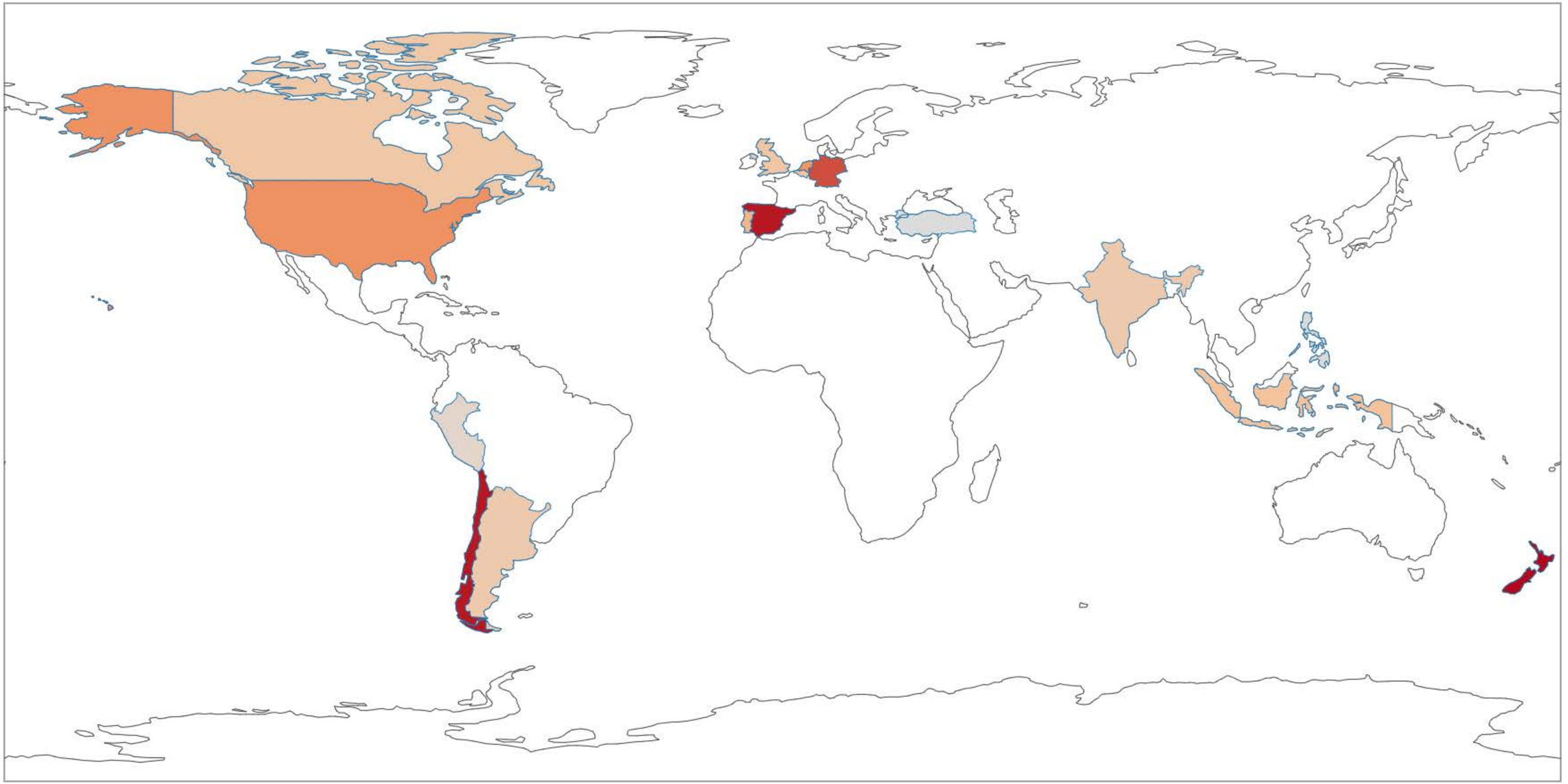
Community 15

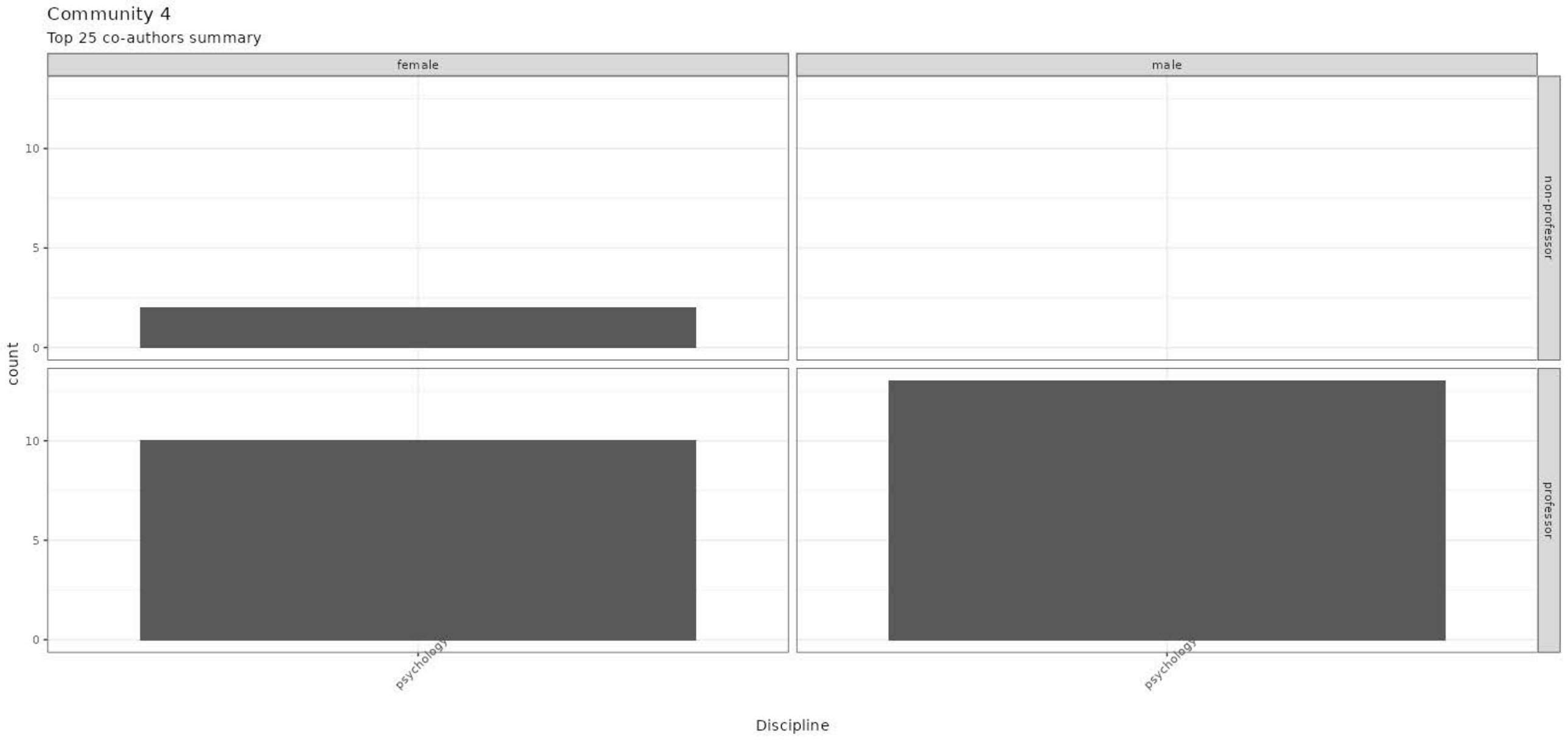


Community 1 -- Transdisciplinary 1 | Color indicates the aggregated degree centrality in the country

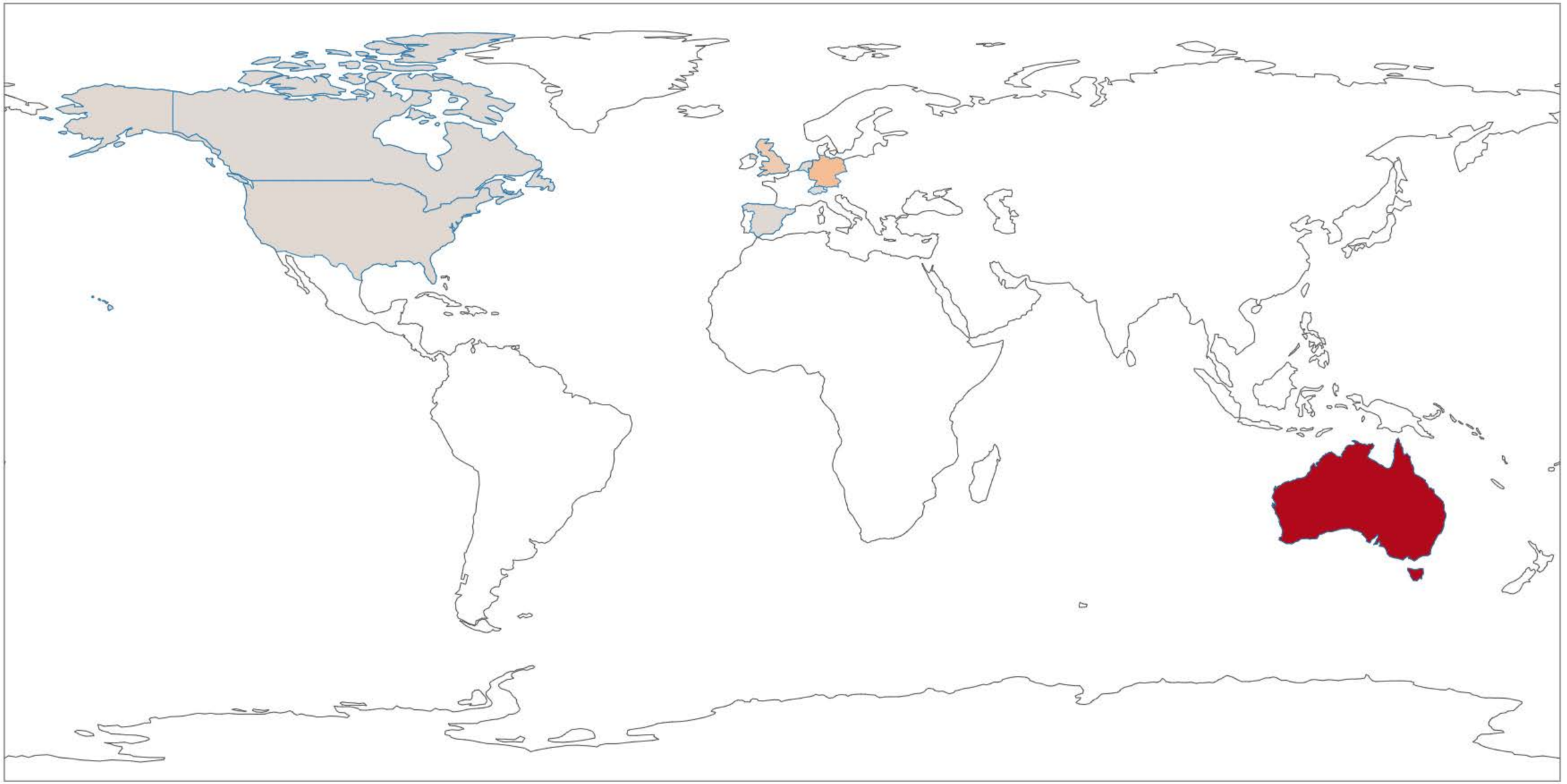

Community 1
Top 25 co-authors summary
female
male
professor
count
10
5
0
biology
business/finance
computational social science
computer science
political science
Discipline

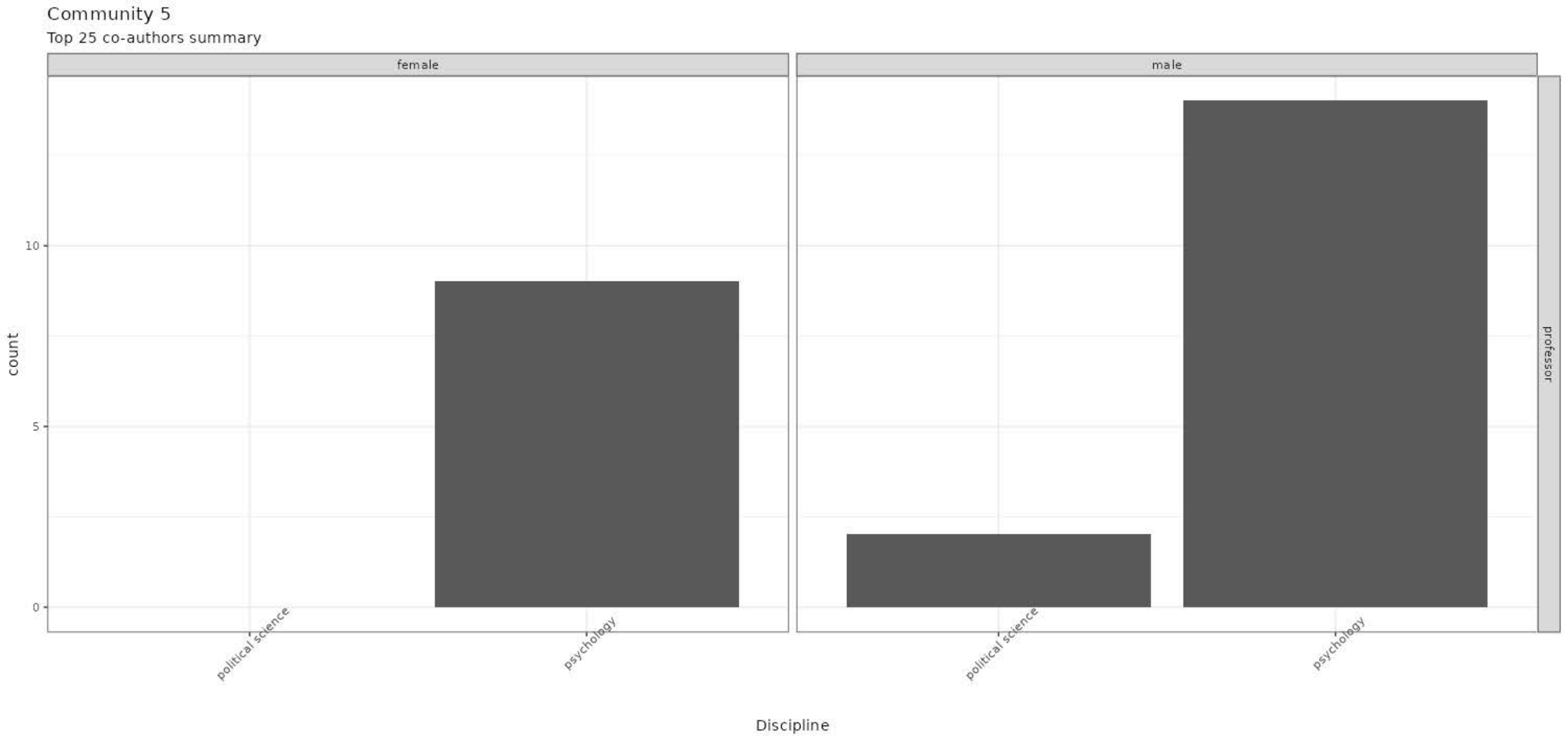
Community 4 -- Psychology Dominated | Color indicates the aggregated degree centrality in the country



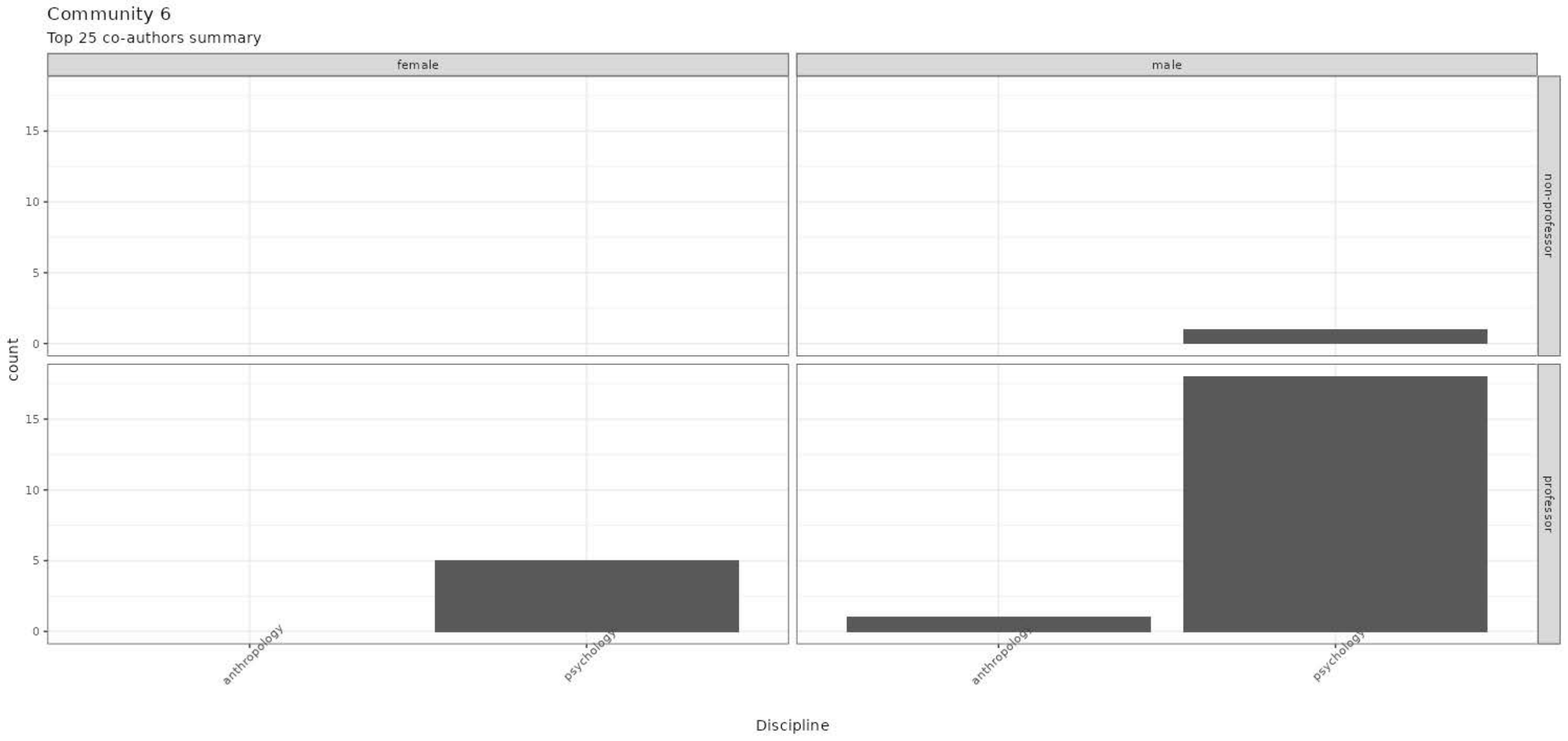

Community 4
Top 25 co-authors summary
female
male
non-professor
professor
count
0
5
10
psychology
Discipline

Community 5 -- Psychology Dominated | Color indicates the aggregated degree centrality in the country

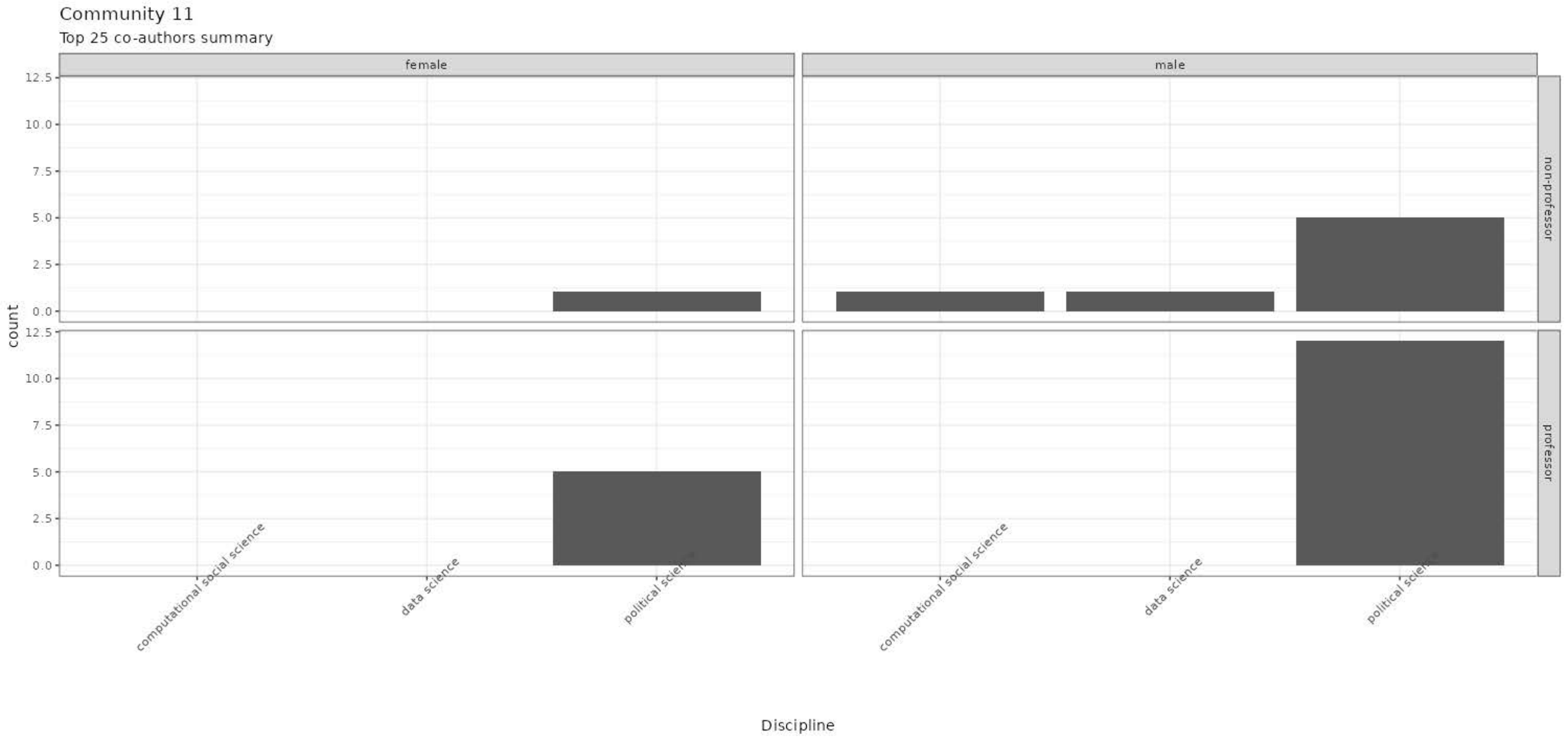



Community 5
Top 25 co-authors summary
female
male
professor
count
10
5
0
political science
psychology
political science
psychology
Discipline

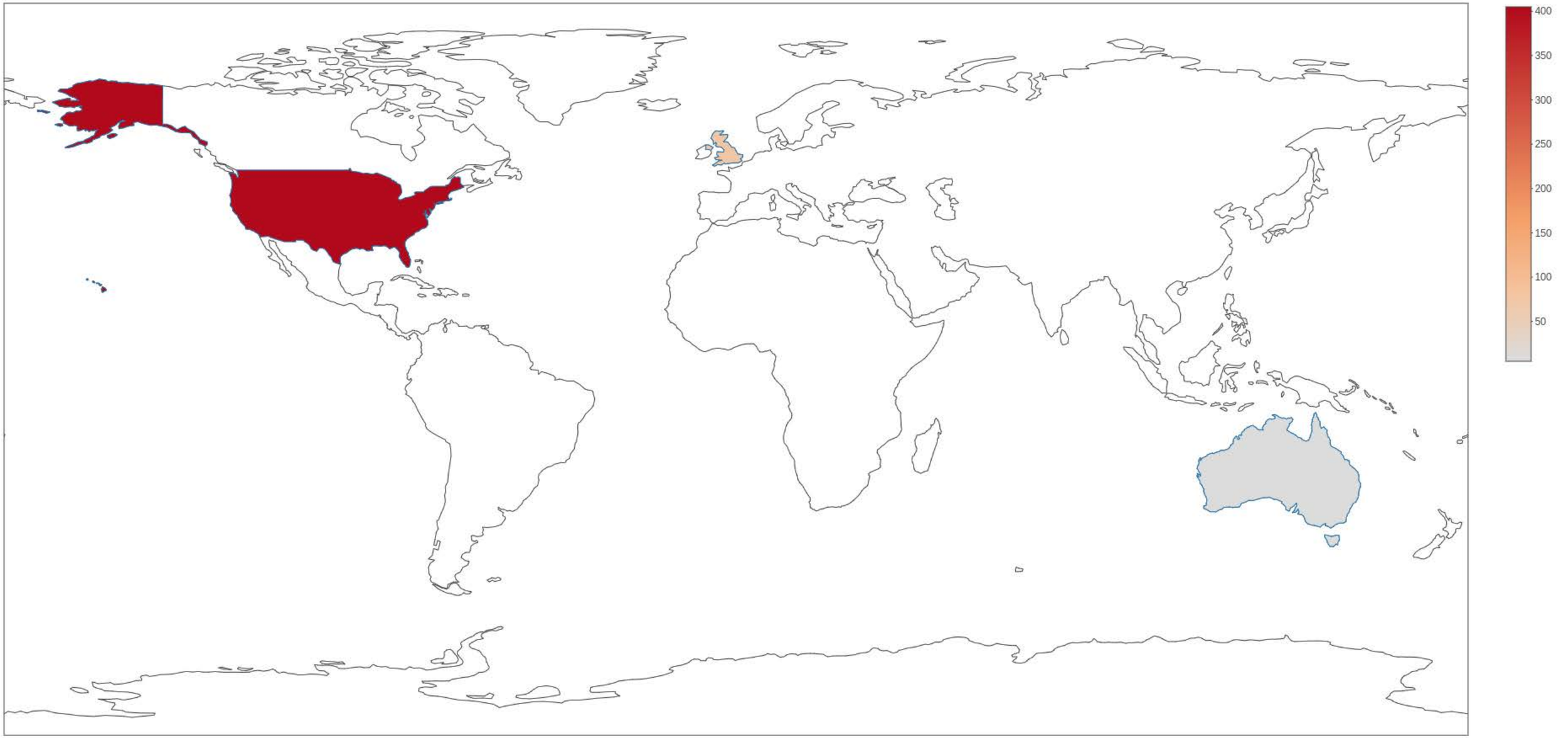
Community 6 -- Psychology Dominated | Color indicates the aggregated degree centrality in the country

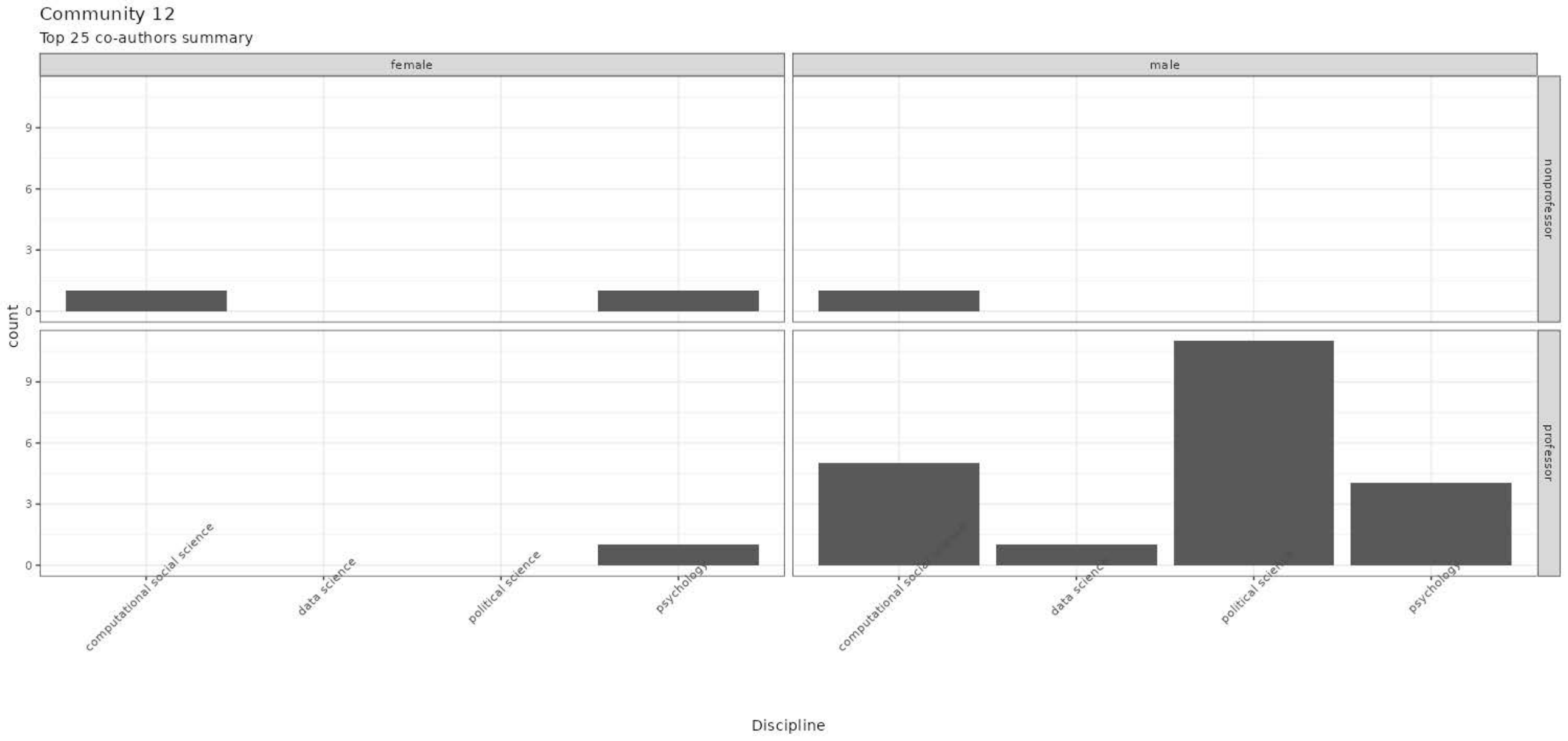

Community 6
Top 25 co-authors summary
female
male
non-professor
professor
count
0
5
10
15
anthropology
psychology
Discipline

Community 11 -- Political Science Dominated | Color indicates the aggregated degree centrality in the country

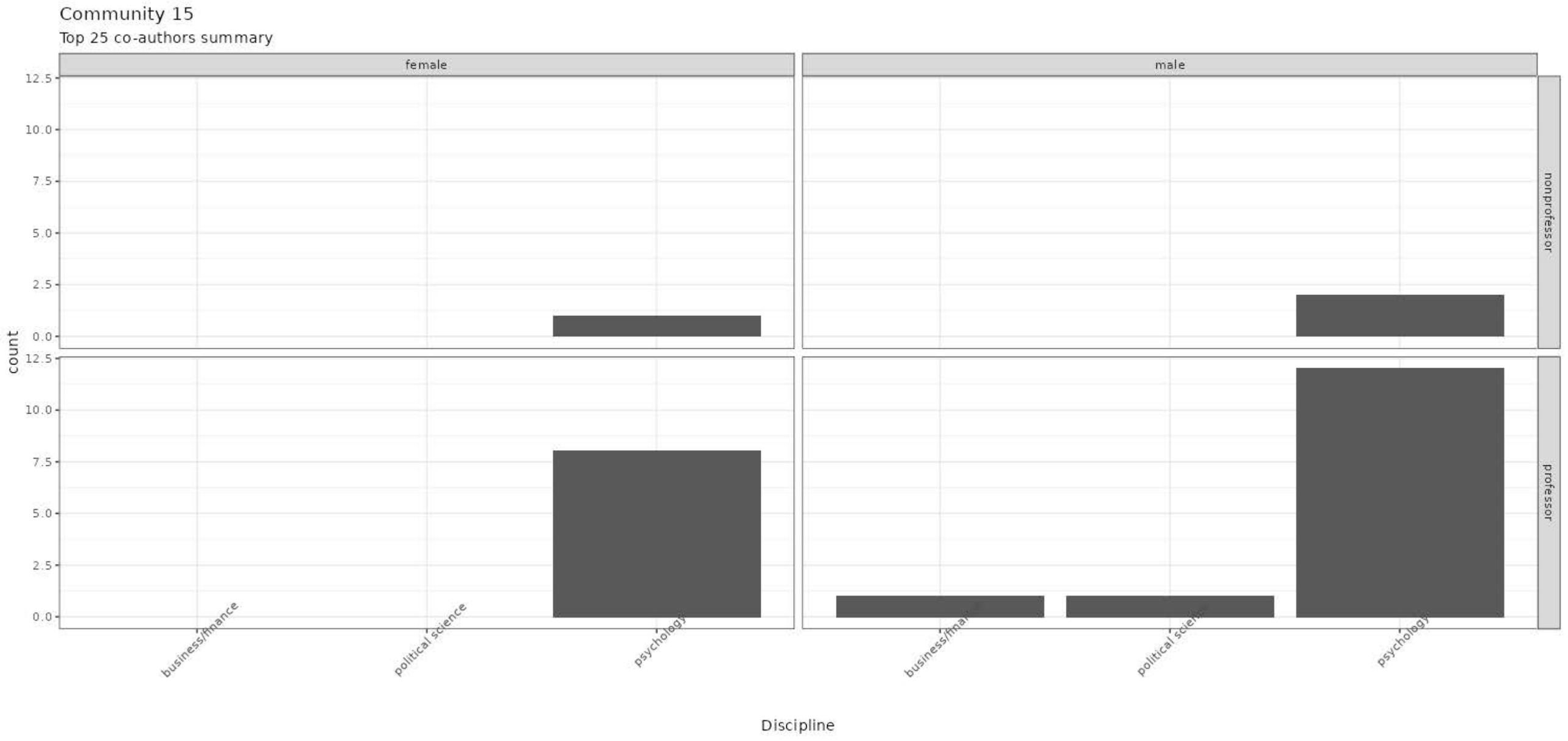

Community 11
Top 25 co-authors summary
female
male
non-professor
professor
count
12.5
10.0
7.5
5.0
2.5
0.0
computational social science
data science
political scien
Discipline

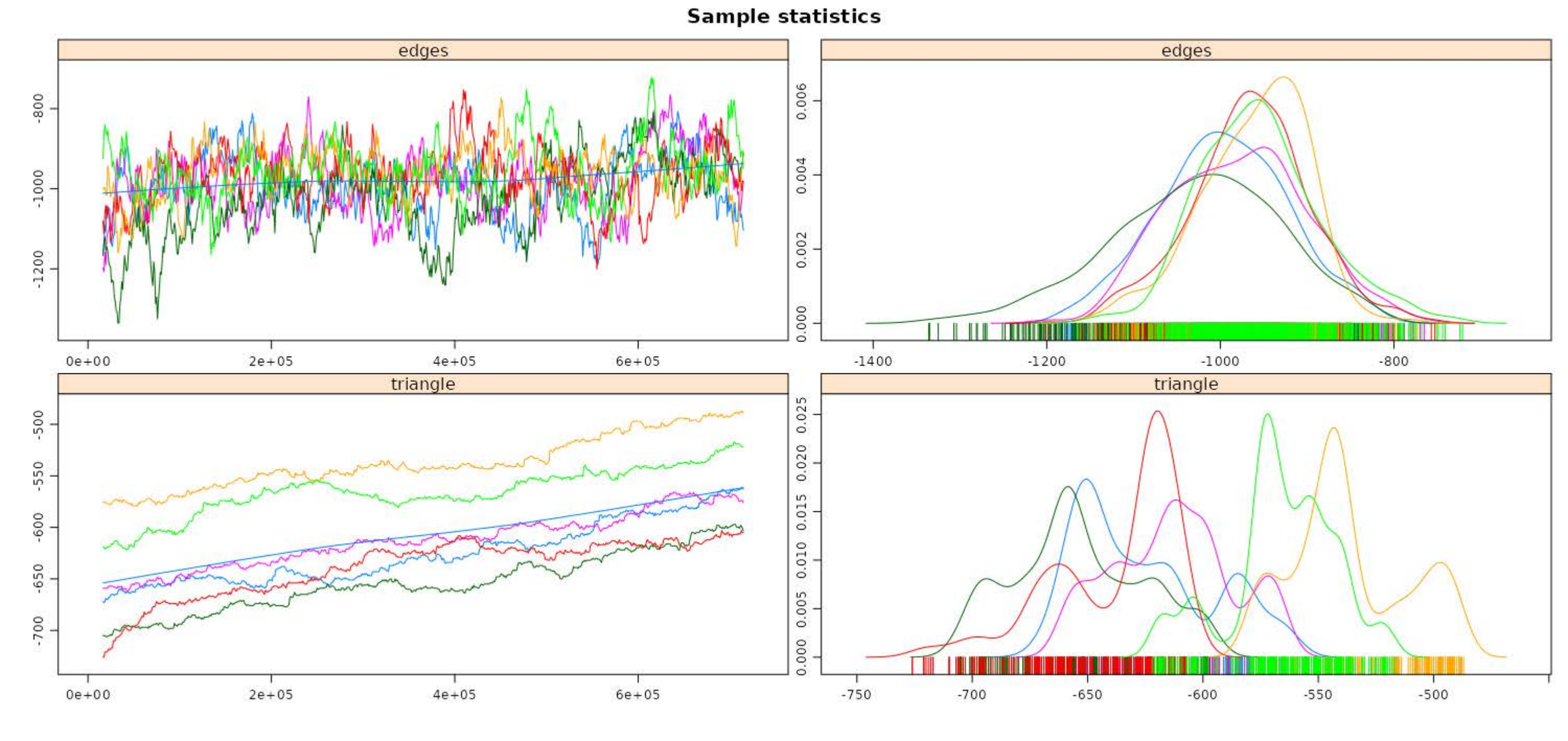
Community 12 -- Transdisciplinary | Color indicates the aggregated degree centrality in the country

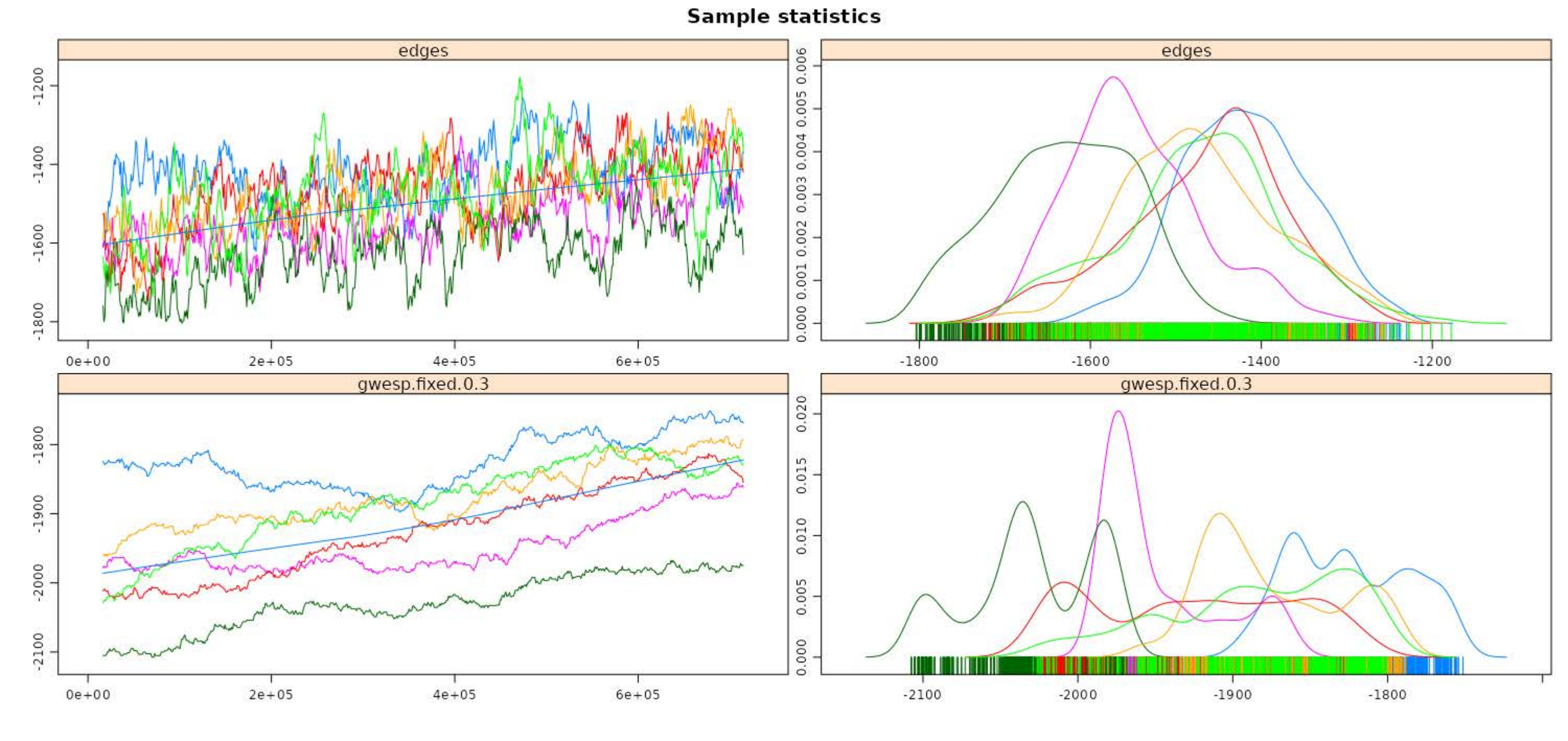


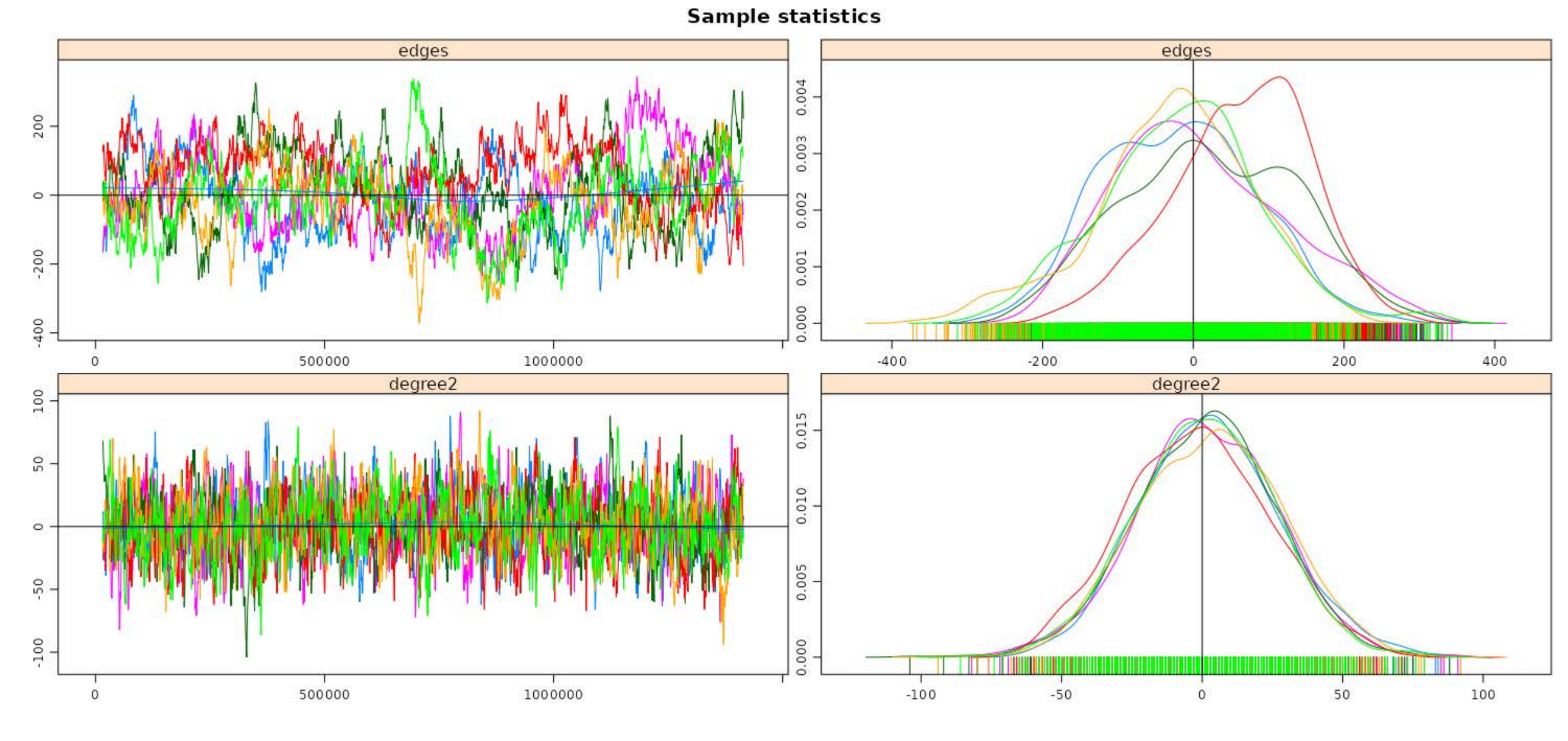

Community 12
Top 25 co-authors summary
female
male
nonprofessor
professor
count
0
3
6
9
computational social science
data science
political science
psychology
Discipline

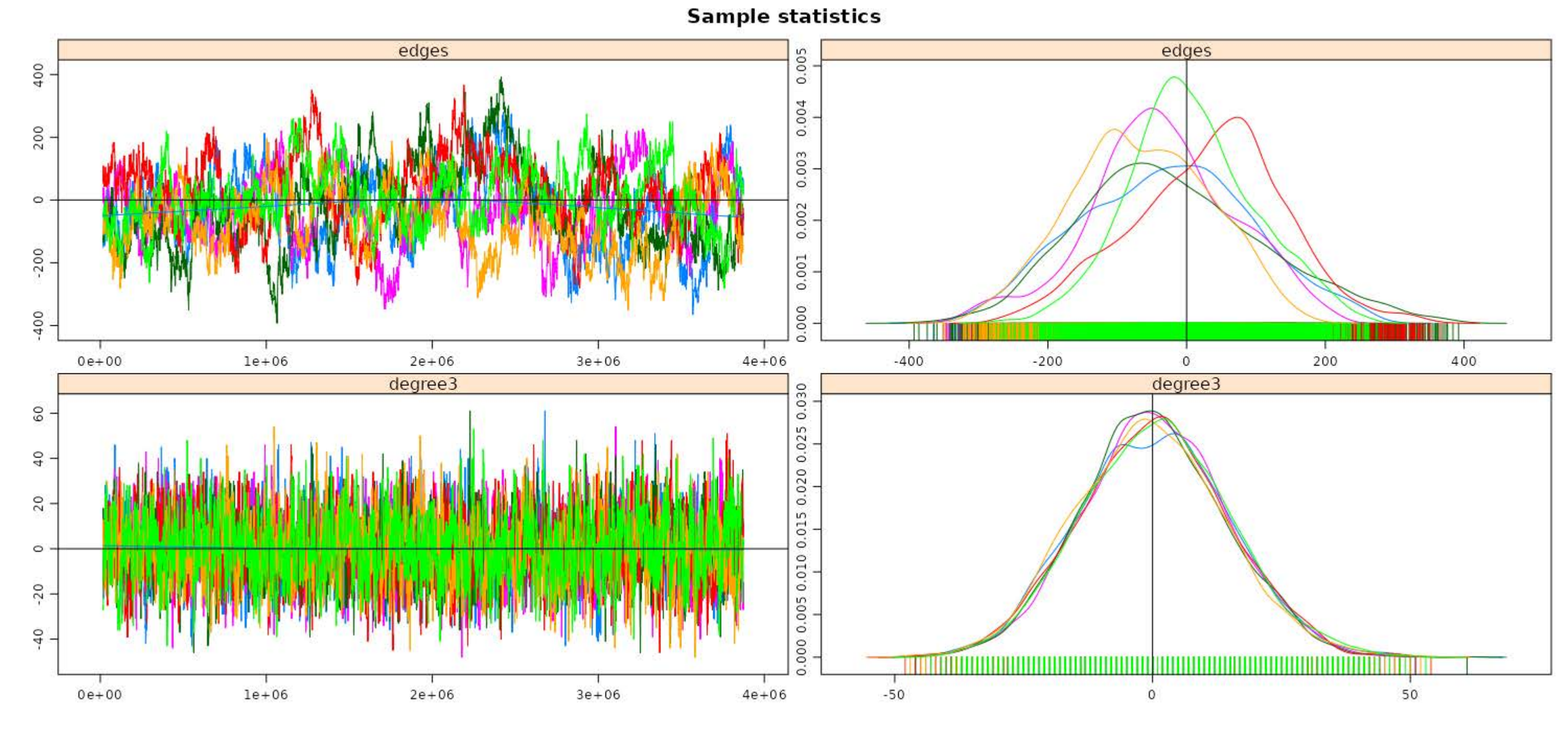
Community 15 -- Psychology Dominated | Color indicates the aggregated degree centrality in the country

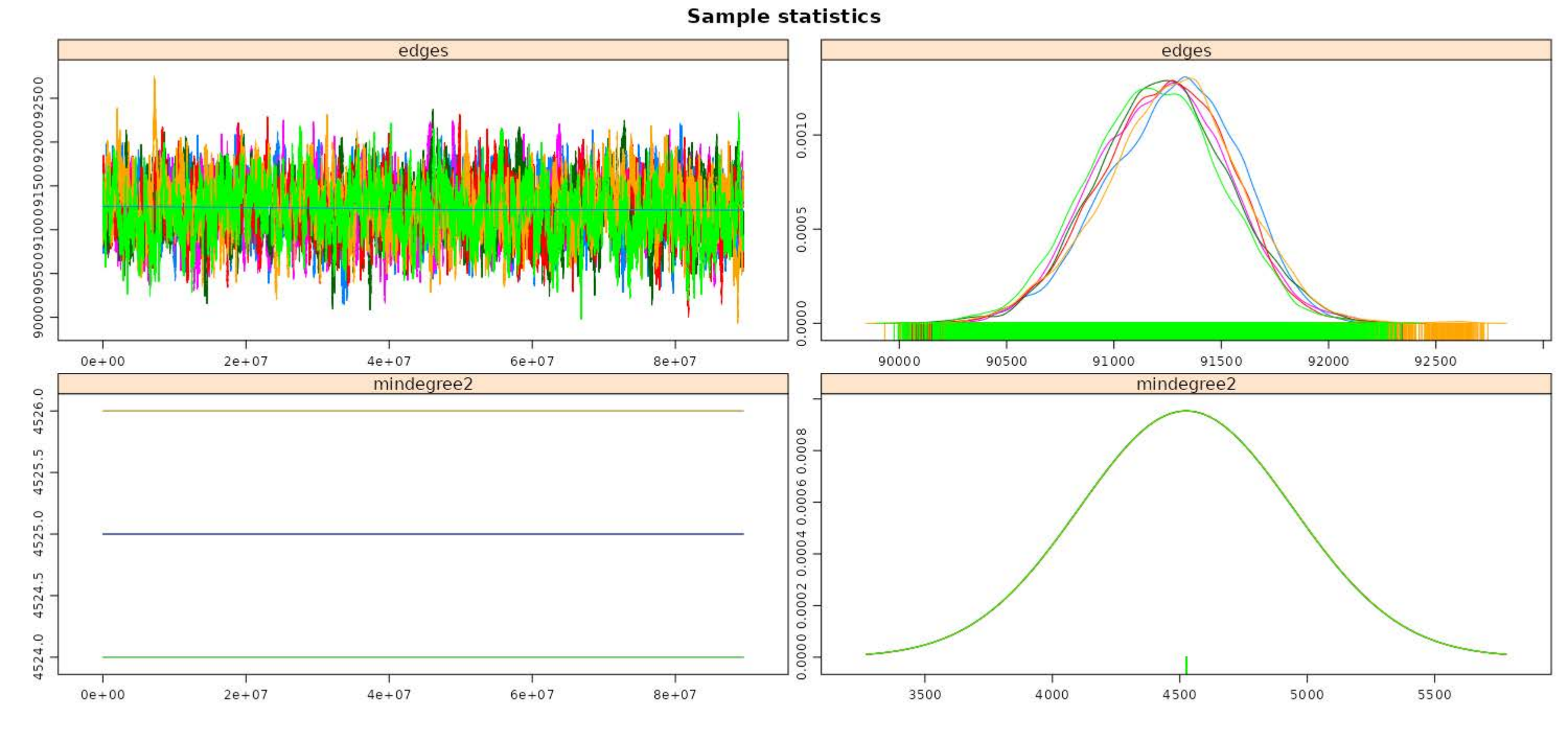

Community 15
Top 25 co-authors summary
female
male
nonprofessor
professor
count
12.5
10.0
7.5
5.0
2.5
0.0
business/finance
political science
psychology
Discipline

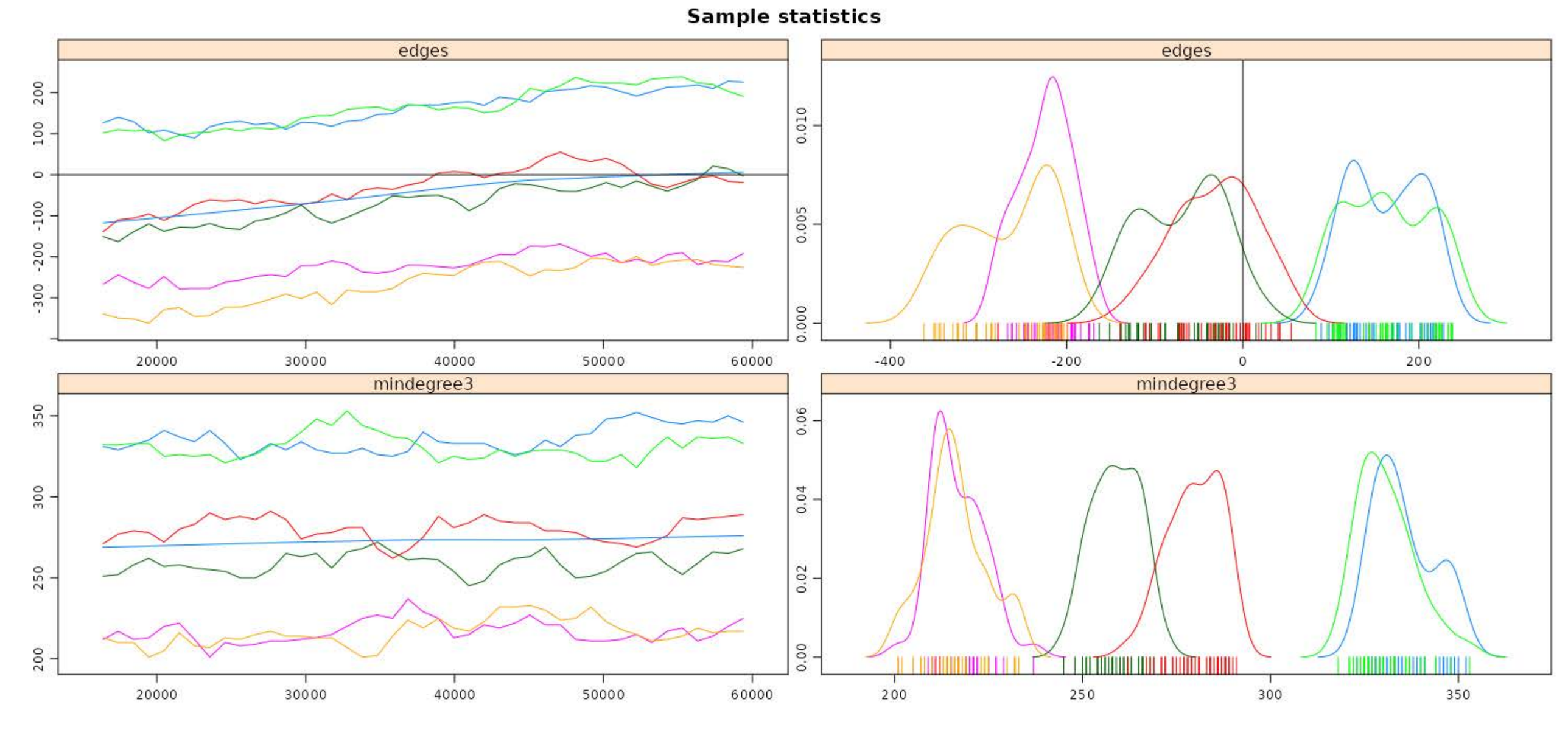

Sample statistics
edges
-800
-1000
-1200
0e+00
2e+05
4e+05
6e+05
edges
0.006
0.004
0.002
0.000
-1400
-1200
-1000
-800
triangle
-500
-550
-600
-650
-700
0e+00
2e+05
4e+05
6e+05
triangle
0.025
0.020
0.015
0.010
0.005
0.000
-750
-700
-650
-600
-550
-500

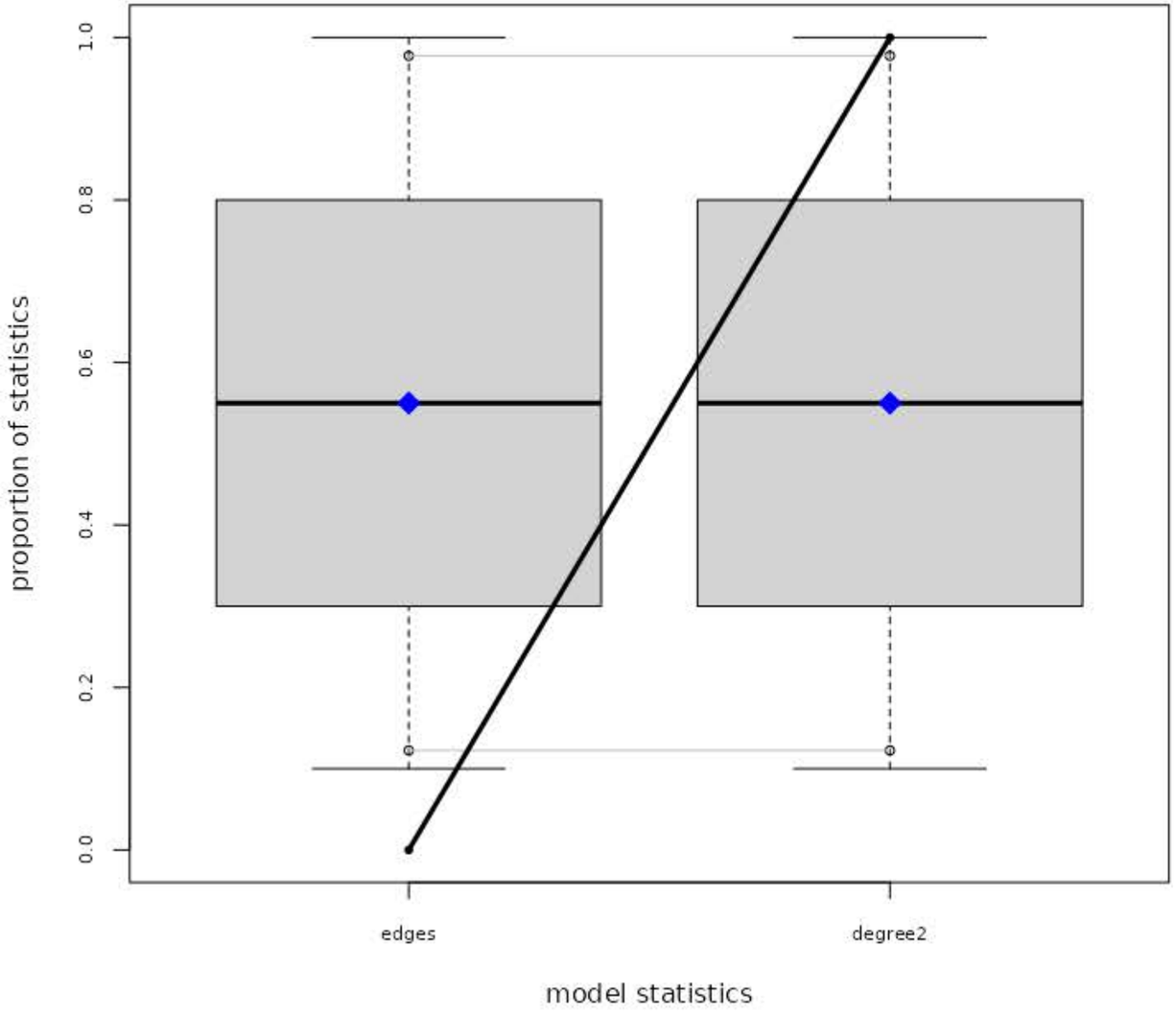

Sample statistics
edges
-1200
-1400
-1600
-1800
0e+00
2e+05
4e+05
6e+05
edges
0.006
0.005
0.004
0.003
0.002
0.001
0.000
-1800
-1600
-1400
-1200
gwesp.fixed.0.3
-1800
-1900
-2000
-2100
0e+00
2e+05
4e+05
6e+05
gwesp.fixed.0.3
0.020
0.015
0.010
0.005
0.000
-2100
-2000
-1900
-1800

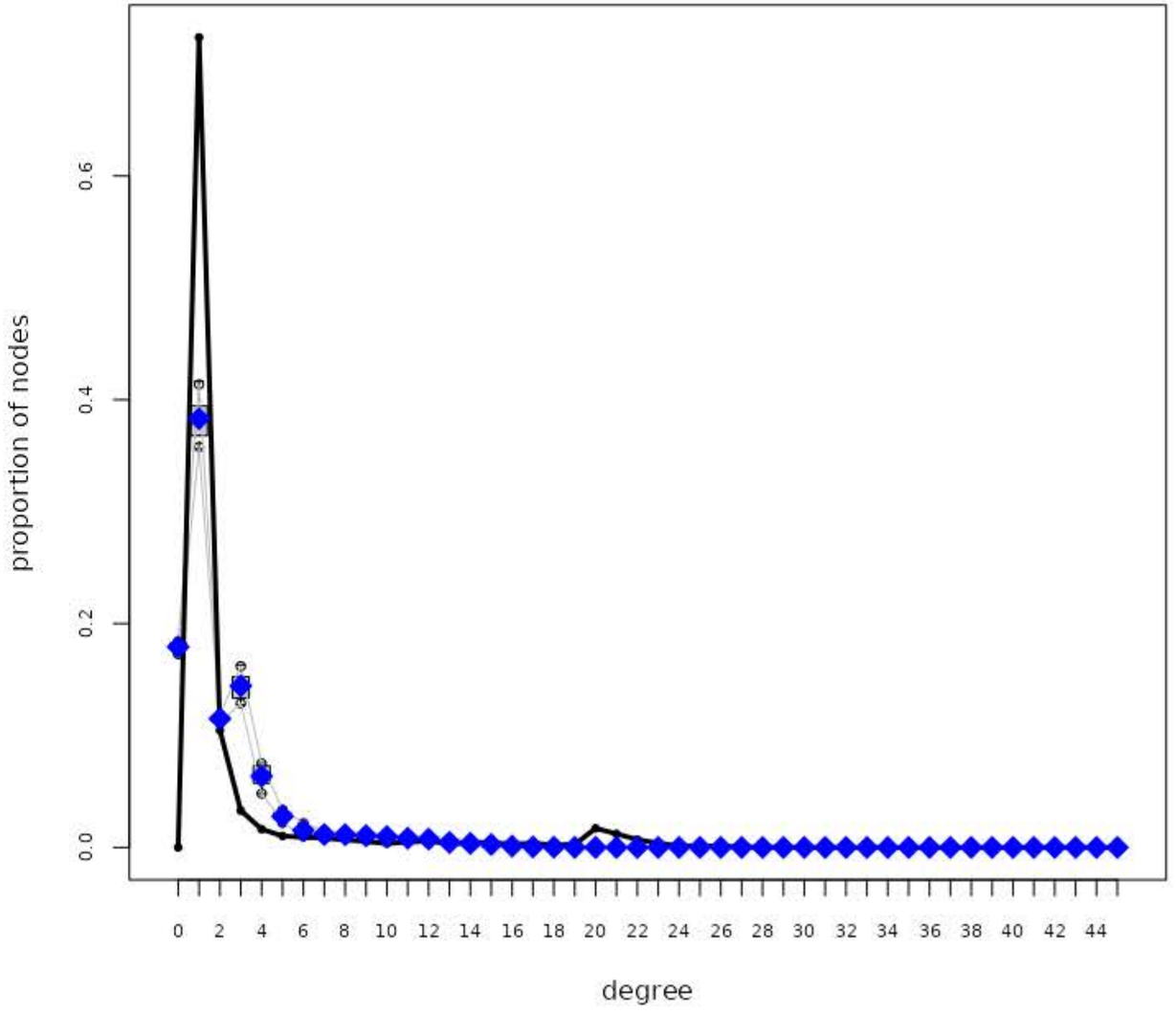

Sample statistics
edges
200
0
-200
-400
0
500000
1000000
edges
0.004
0.003
0.002
0.001
0.000
-400
-200
0
200
400
degree2
100
50
0
-50
-100
0
500000
1000000
degree2
0.015
0.010
0.005
0.000
-100
-50
0
50
100

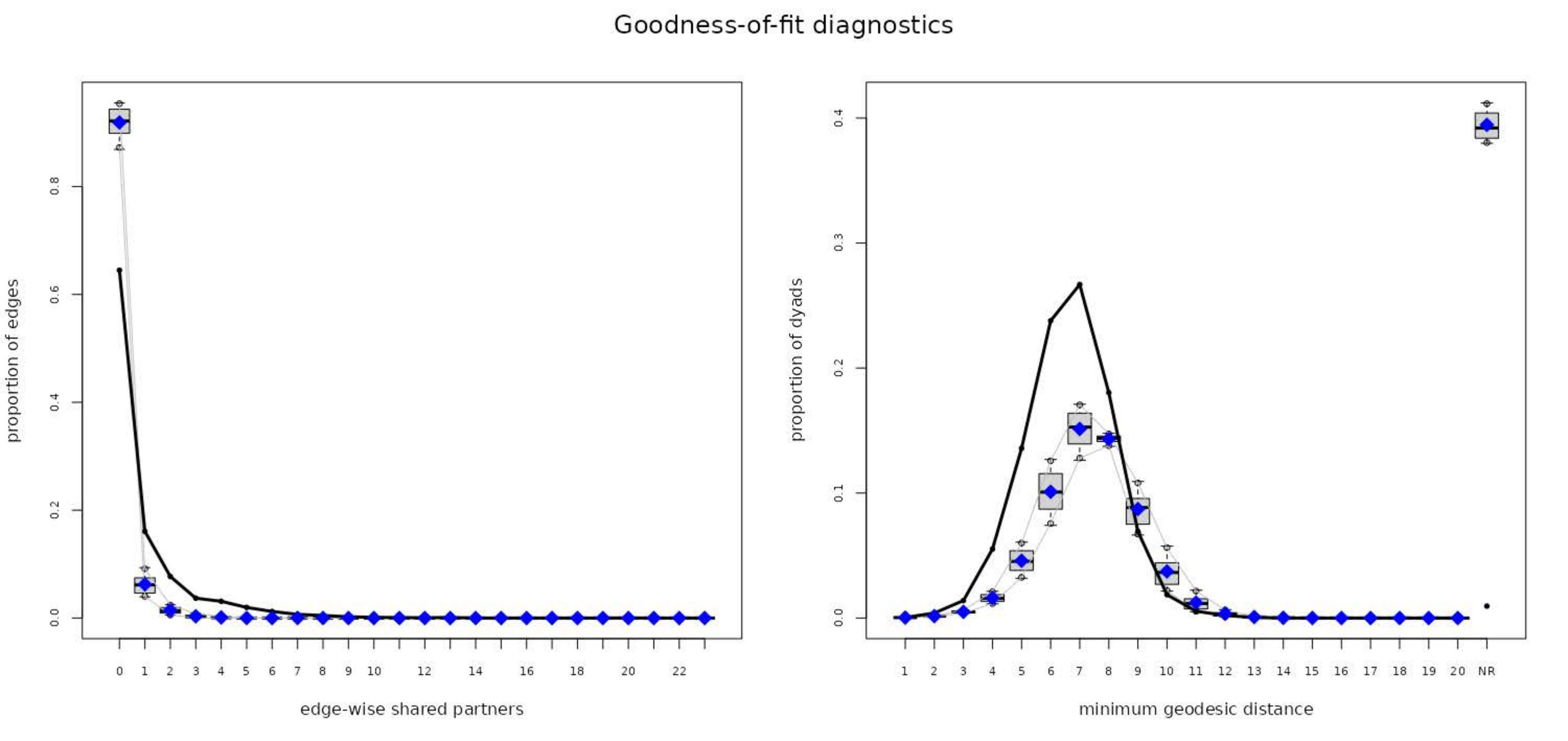

Sample statistics
edges
400
200
0
-200
-400
0e+00
1e+06
2e+06
3e+06
4e+06
edges
0.005
0.004
0.003
0.002
0.001
0.000
-400
-200
0
200
400
degree3
60
40
20
0
-20
-40
0e+00
1e+06
2e+06
3e+06
4e+06
degree3
0.030
0.025
0.020
0.015
0.010
0.005
0.000
-50
0
50

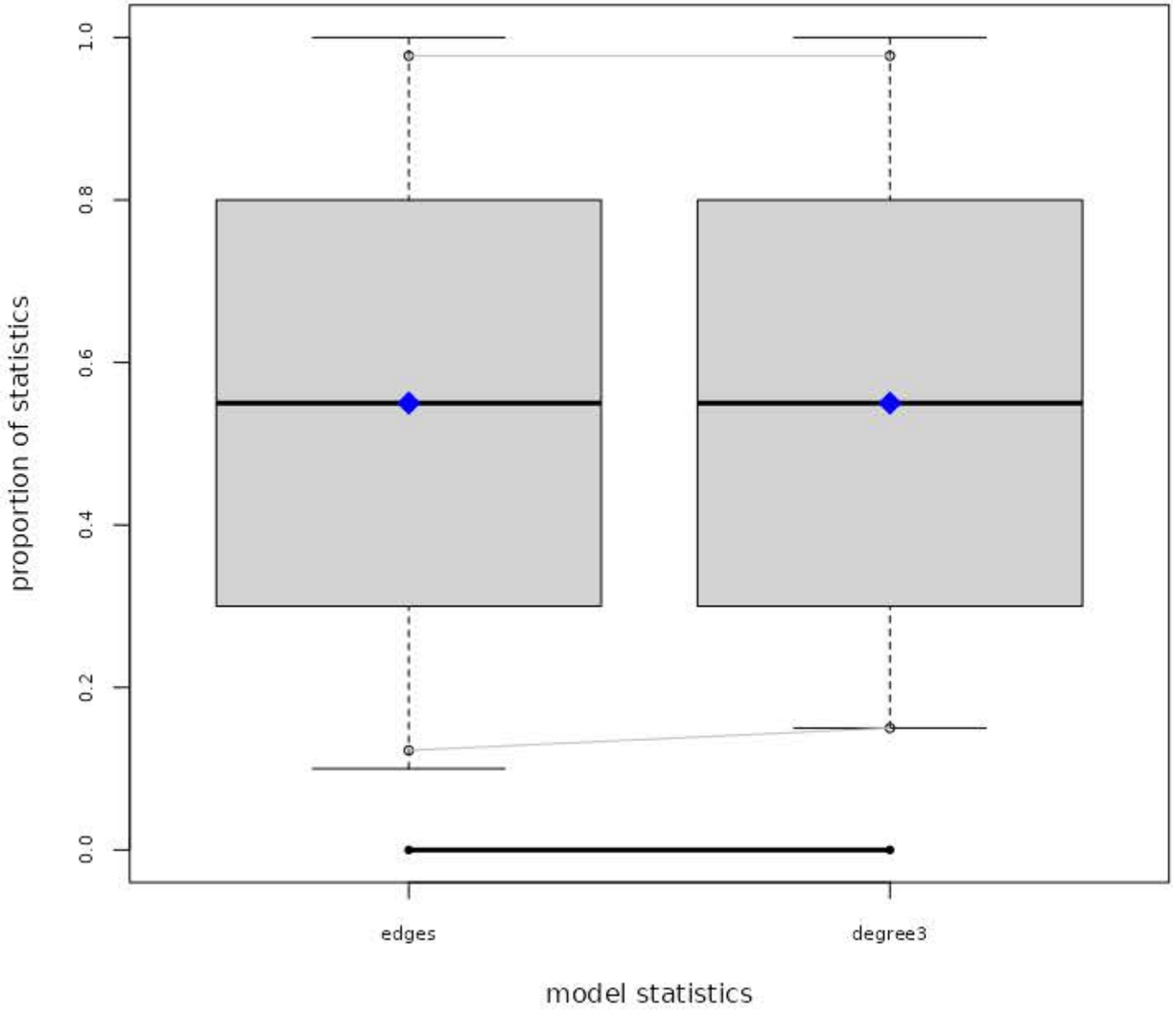

Sample statistics
edges
edges
mindegree2
mindegree2
0e+00
2e+07
4e+07
6e+07
8e+07
90000
90500
91000
91500
92000
92500
0.0000
0.0005
0.0010
4524.0
4524.5
4525.0
4525.5
4526.0
0.0000
0.0002
0.0004
0.0006
0.0008
3500
4000
4500
5000
5500

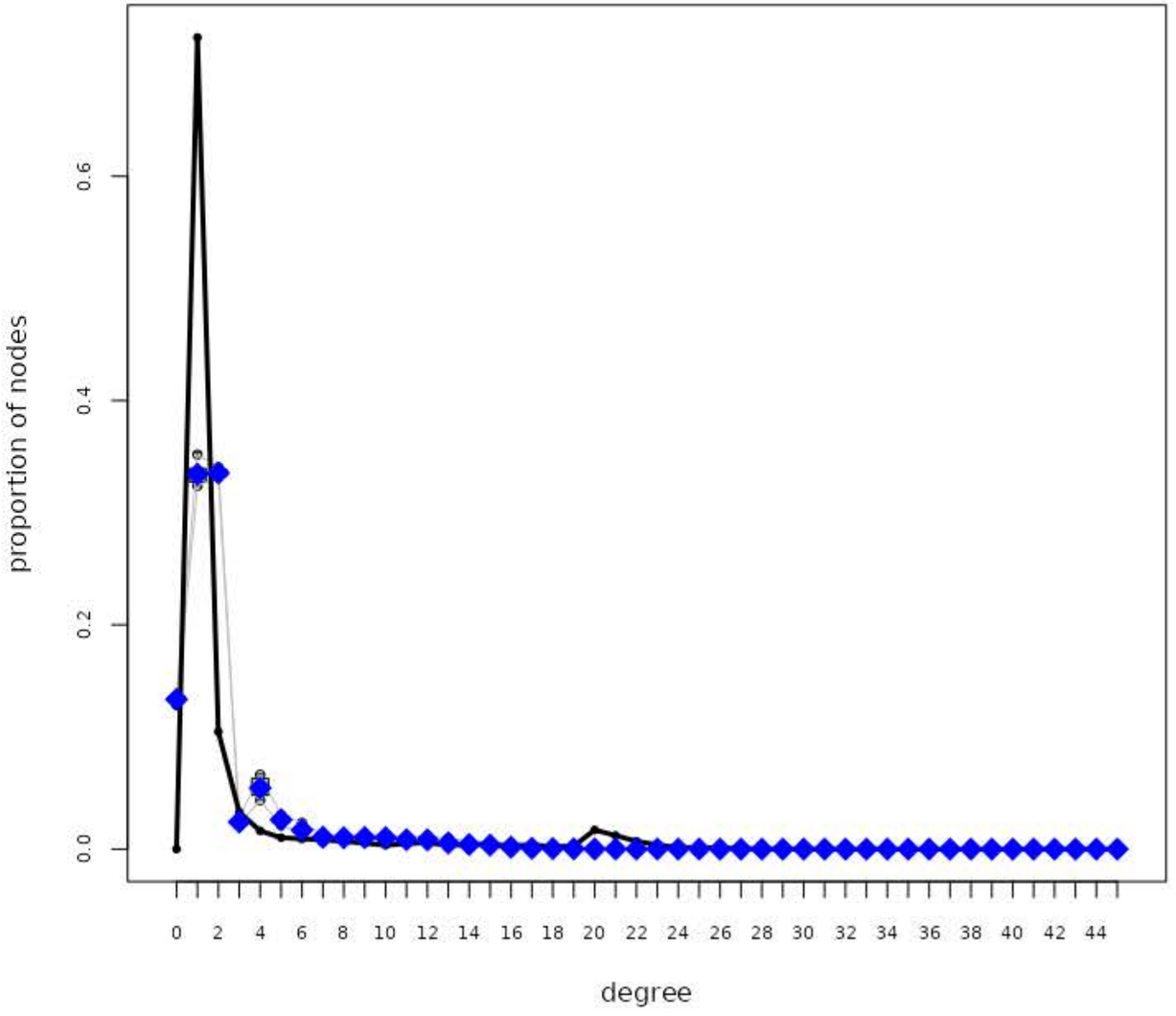

Sample statistics
edges
edges
mindegree3
mindegree3
20000
30000
40000
50000
60000
-400
-200
0
200
250
300
350
0.000
0.005
0.010
0.00
0.02
0.04
0.06
-300
-200
-100
0
100
200
200
250
300
350

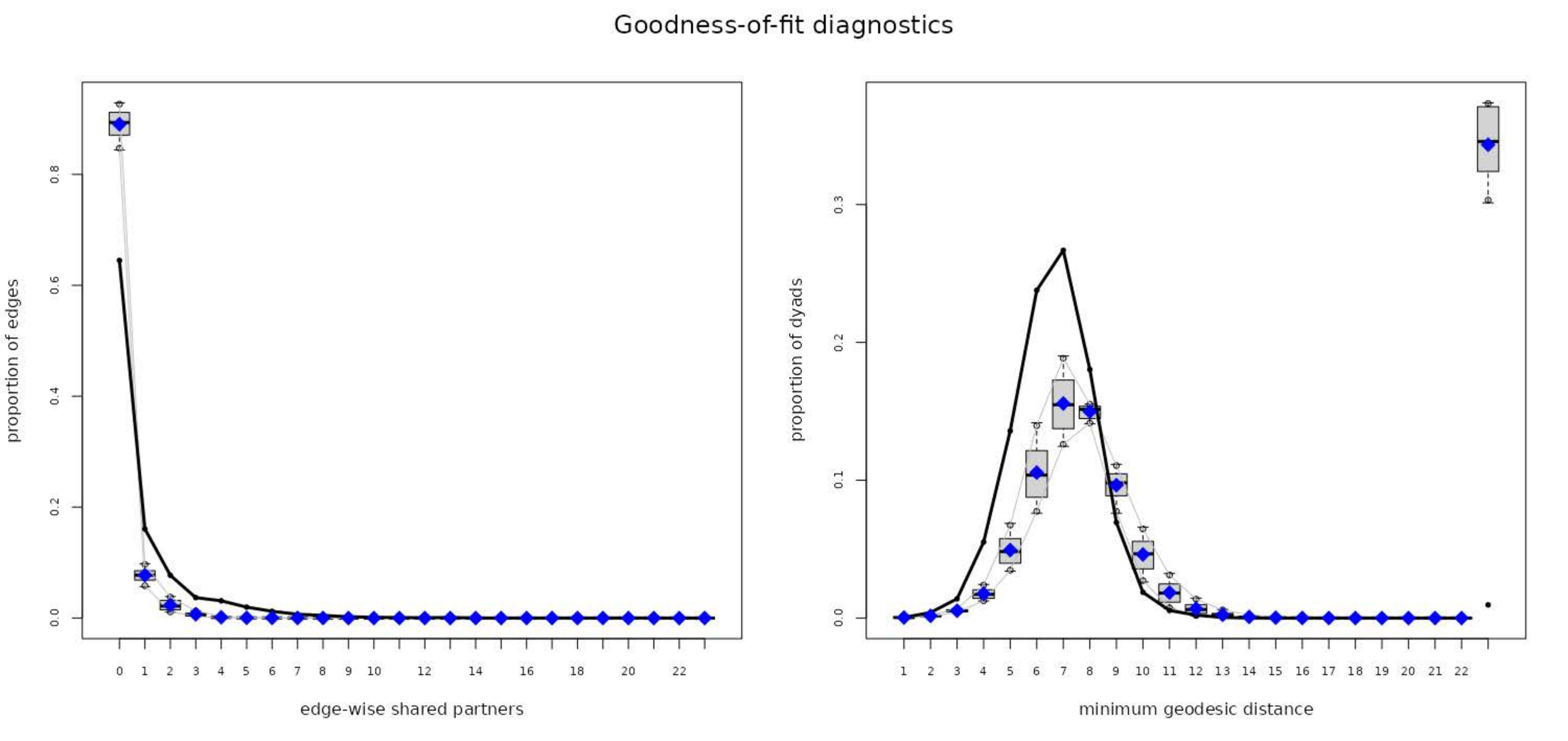

proportion of statistics
0.0
0.2
0.4
0.6
0.8
1.0
edges
degree2
model statistics


proportion of nodes
0.0
0.2
0.4
0.6
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
degree


Goodness-of-fit diagnostics
proportion of edges
0.0
0.2
0.4
0.6
0.8
0 1 2 3 4 5 6 7 8 9 10 12 14 16 18 20 22
edge-wise shared partners
proportion of dyads
0.0
0.1
0.2
0.3
0.4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 NR
minimum geodesic distance


proportion of statistics
0.0
0.2
0.4
0.6
0.8
1.0
edges
degree3
model statistics


proportion of nodes
0.0
0.2
0.4
0.6
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
degree


Goodness-of-fit diagnostics
proportion of edges
0.0
0.2
0.4
0.6
0.8
0 1 2 3 4 5 6 7 8 9 10 12 14 16 18 20 22
edge-wise shared partners
proportion of dyads
0.0
0.1
0.2
0.3
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
minimum geodesic distance