

Supplementary Materials:

**Social Anxiety Disorder as a Densely Interconnected Network of Fear and
Avoidance for Social Situations**

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Group Difference and Distribution of the LSAS

Mean, standard deviation, skewness, and kurtosis of each group as well as effect sizes vis-à-vis the group difference are presented separately for each item in *Table S1*.

Accuracy of the Edge Weights

The bootstrapped CIs for the edges indicate that the edges are fairly stable and a number of edges exhibit values significantly greater than zero (*Figures S1 and S2*).

Stability of the Centrality Metrics

Figures S3 and S4 respectively depict results of the subset bootstrap procedure for the individuals qualifying for the diagnosis of social anxiety disorder and people free of the diagnosis.

Table S1. Means (M), standard deviations (SD), skewness, and kurtosis for each item of the LSAS as well as effect sizes for the differences between individuals qualifying for the diagnosis of social anxiety disorder (SAD) and people free of the diagnosis.

Item	SAD sample				Healthy sample				Difference
	M	SD	Skewness	Kurtosis	M	SD	Skewness	Kurtosis	Cohen's <i>d</i>
f1	1.24	.90	-0.52	0.69	.46	.66	.81	-1.03	1.78***
f2	1.69	.82	-1.00	-0.26	.49	.61	.51	-.54	3.09***
f3	.70	.82	0.43	9.93	.13	.43	3.11	.21	1.14***
f4	.40	.67	1.12	2.36	.02	.15	6.63	1.77	.83***
f5	1.85	.81	-1.30	-0.06	.83	.67	-.29	-.28	3.22***
f6	2.55	.71	-2.63	-0.82	1.36	.91	-.63	2.3	2.99***
f7	1.31	.93	-0.54	1.71	.37	.56	.90	-.90	1.80***
f8	2.03	.85	-1.54	-0.32	.77	.74	.03	-.13	4.30***
f9	1.82	.95	-1.00	0.41	.56	.74	.66	-.95	3.01***
f10	1.97	.89	-1.28	0.01	.82	.77	.01	-.61	3.71***
f11	1.69	.83	-0.98	-0.80	.53	.56	.15	-.58	2.71***
f12	1.76	.88	-1.03	1.07	.51	.62	.48	-.71	2.87***
f13	.83	.89	0.27	5.96	.26	.55	1.67	.18	1.14***
f14	1.84	.92	-0.84	0.10	.57	.63	.27	-1.09	2.64***
f15	2.26	.82	-1.77	0.03	.94	.74	-.31	.11	5.39***
f16	2.36	.74	-1.84	-0.93	.77	.70	-.08	.30	9.10***
f17	2.34	.80	-1.70	-0.63	1.29	.86	-.60	-.01	4.87***
f18	2.07	.88	-1.29	-0.10	.91	.78	-.16	-.68	4.05***
f19	1.6	.96	-0.72	1.36	.40	.59	.87	-.98	2.26***
f20	1.97	.86	-1.31	-0.10	.69	.69	.10	-.51	3.53***

f21	2.29	.79	-1.18	-0.69	1.34	.88	-.61	-.75	3.33***
f22	1.53	.91	-0.85	0.30	.43	.63	.85	-.78	2.35***
f23	1.97	.85	-1.13	0.76	.67	.79	.44	-.74	5.97***
f24	1.48	.96	-0.73	2.09	.40	.63	1.01	-.96	2.10***
a1	1.13	.92	-0.24	2.52	.41	.69	1.15	-.66	1.66***
a2	1.37	.79	-0.71	0.65	.33	.52	1.01	-.35	2.47***
a3	.61	.85	0.78	3.98	.09	.38	3.94	1.08	.95***
a4	.82	.94	0.39	3.46	.03	.16	6.01	.04	1.21***
a5	1.68	.86	-0.89	1.30	.48	.62	.61	-.71	2.92***
a6	2.22	.92	-1.41	-0.10	.81	.94	.40	-.63	9.53***
a7	1.24	1.03	-0.24	4.60	.30	.57	1.46	-1.02	1.56***
a8	1.59	1.03	-0.70	2.12	.45	.64	.81	-1.15	2.00***
a9	1.51	1.11	-0.51	2.92	.36	.59	1.10	-1.33	1.74***
a10	1.62	.99	-0.75	0.50	.53	.70	.63	-1.04	2.18***
a11	1.59	.78	-0.75	4.62	.42	.72	1.26	-.48	5.69***
a12	1.48	.98	-0.60	5.27	.31	.58	1.41	-.99	2.10***
a13	.89	1.04	0.42	3.61	.32	.61	1.42	-.23	.96***
a14	2.14	.81	-1.44	0.55	.38	.58	.92	-.37	4.34***
a15	2.03	.89	-1.26	0.28	.66	.70	.21	-.71	3.50***
a16	1.73	.91	-0.82	-0.47	.54	.62	.34	-.95	2.51***
a17	1.31	1.1	-0.23	4.34	.38	.68	1.35	-1.24	1.53***
a18	1.83	.89	-1.08	-0.15	.70	.74	.22	-.74	3.24***
a19	1.46	.99	-0.59	1.14	.33	.55	1.13	-1.01	1.95***
a20	1.69	.95	-0.84	1.61	.38	.60	.99	-.98	2.50***
a21	1.99	.99	-1.10	-0.61	1.04	.94	-.07	-1.03	4.37***
a22	1.27	1.01	-0.33	3.22	.30	.55	1.32	-1.05	1.61***

a23	1.63	1.14	-0.60	3.73	.38	.73	1.48	-1.41	2.01***
a24	1.34	1.07	-0.32	3.15	.38	.67	1.27	-1.19	1.63***

Note. Cohen's *d* represents the difference between the two means divided by the pooled standard deviation of the sample. The higher the value, the larger the difference between individuals qualifying for the diagnosis of social anxiety disorder and people free of the diagnosis. ***, $p < .001$

Figure S1. Bootstrapped confidence intervals of estimated edge weights for the graphical lasso network of individuals qualifying for the diagnosis of social anxiety disorder. The red line indicates the sample values and the gray area the 95% confidence intervals.

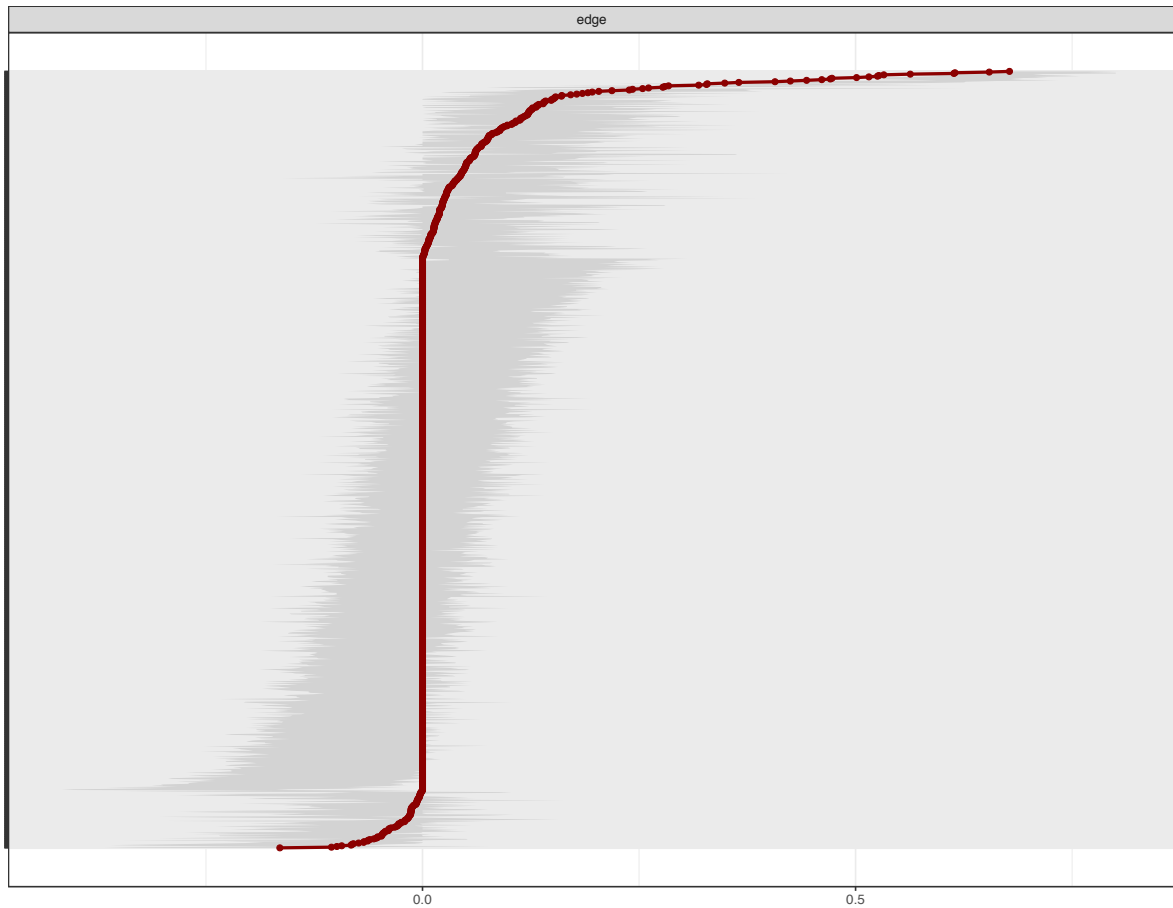


Figure S2. Bootstrapped confidence intervals of estimated edge weights for the graphical lasso network of the people free of the diagnosis of social anxiety disorder.

The red line indicates the sample values and the gray area the 95% confidence intervals.

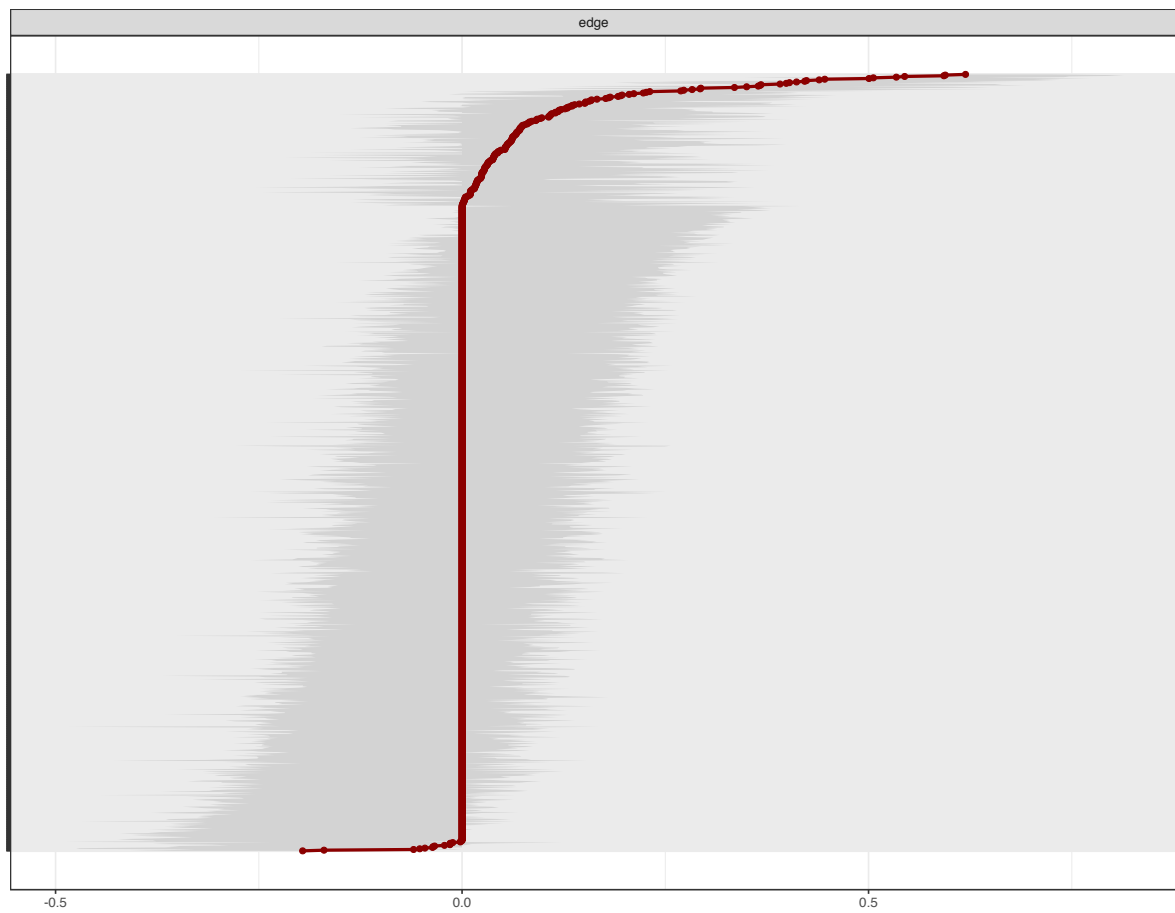


Figure S3. Average correlation between centrality indices of the network estimation sampled with persons dropped and the original sample among individuals qualifying for the diagnosis of social anxiety disorder.

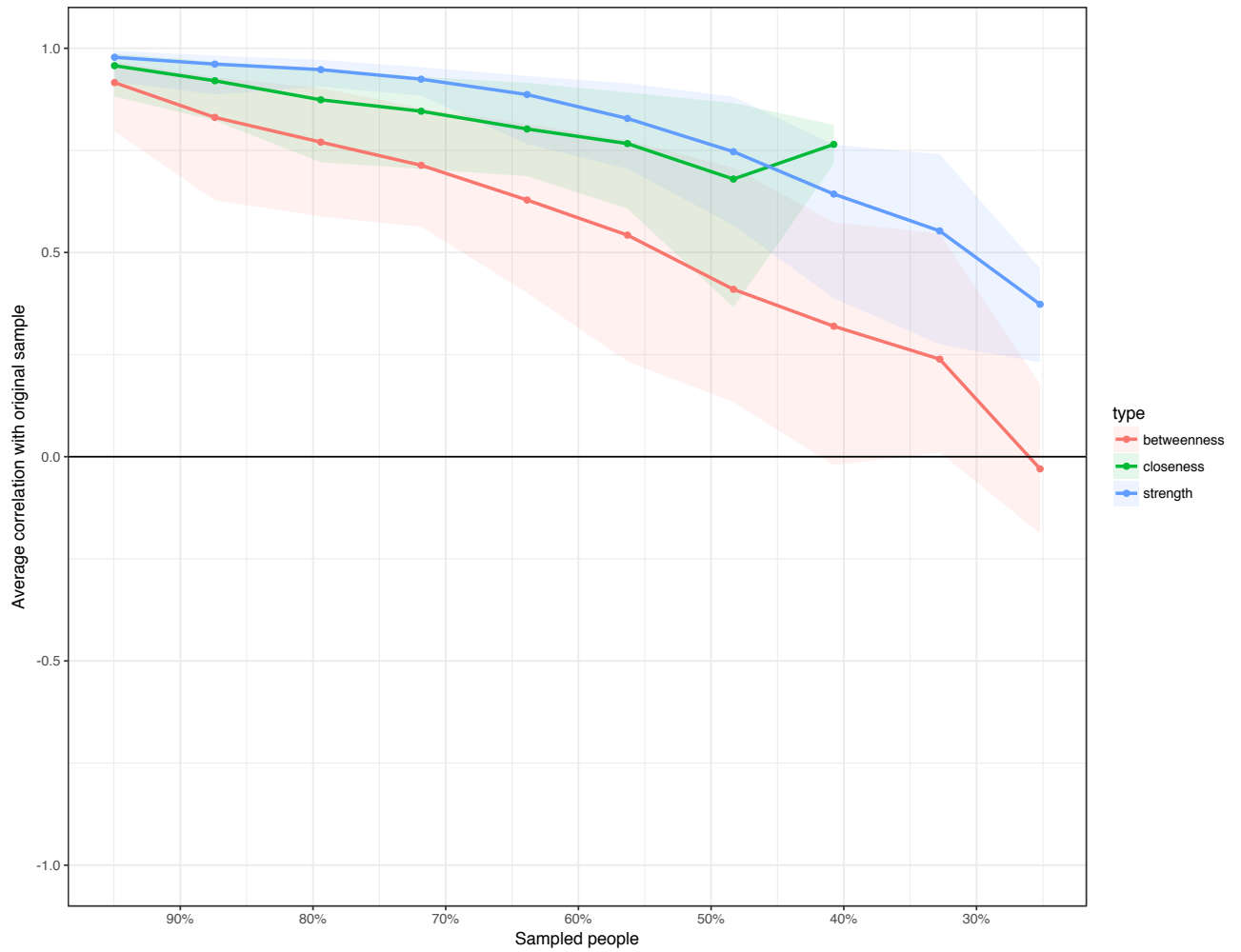


Figure S4. Average correlation between centrality indices of the network estimation sampled with persons dropped and the original sample among people free of the diagnosis of social anxiety disorder.

