

Network parameters							Running time					Semantic score						
	Nodes	Edges	Density	MND	MND SD	AVG CC	MLL	MLL-C	FDL	SEL	ORL	MLL	MLL-C	FDL	SEL	ORL		
Nodes		0.886	-0.363	0.233	0.436	-0.451	0.960	0.952	0.982	-0.423	0.566	0.082	-0.170	0.130	0.179	-0.351	parameters	Network
Edges	0.886		-0.043	0.550	0.731	-0.327	0.968	0.975	0.949	0.837	0.393	0.017	-0.294	0.041	-0.272	-0.485		
Density	-0.363	-0.043		0.772	0.634	0.231	-0.226	-0.214	-0.277	0.974	-0.254	-0.112	-0.371	-0.199	-0.317	-0.370		
MND	0.233	0.550	0.772		0.966	0.053	0.365	0.377	0.320	0.980	0.181	-0.161	-0.515	-0.153	-0.312	-0.528		
MND SD	0.436	0.731	0.634	0.966		-0.035	0.575	0.586	0.530	0.978	0.211	-0.150	-0.533	-0.159	-0.396	-0.601		
AVG CC	-0.451	-0.327	0.231	0.053	-0.035		-0.441	-0.432	-0.438	0.206	-0.049	-0.424	-0.288	-0.349	0.068	0.336		
MLL	0.960	0.968	-0.226	0.365	0.575	-0.441		0.999	0.995	-0.237	0.394	0.072	-0.216	0.084	-0.187	-0.469	time	Running
MLL-C	0.952	0.975	-0.214	0.377	0.586	-0.432	0.999		0.992	-0.237	0.389	0.070	-0.217	0.084	-0.180	-0.465		
FDL	0.982	0.949	-0.277	0.320	0.530	-0.438	0.995	0.992		-0.350	0.452	0.080	-0.200	0.103	0.095	-0.430		
SEL	-0.423	0.837	0.974	0.980	0.978	0.206	-0.237	-0.237	-0.350		-0.414	0.051	-0.290	-0.192	-0.341	-0.438		
ORL	0.566	0.393	-0.254	0.181	0.211	-0.049	0.394	0.389	0.452	-0.414		-0.042	-0.091	0.171	0.346	0.251		
MLL	0.082	0.017	-0.112	-0.161	-0.150	-0.424	0.072	0.070	0.080	0.051	-0.042		0.844	0.939	0.801	0.248		
MLL-C	-0.170	-0.294	-0.371	-0.515	-0.533	-0.288	-0.216	-0.217	-0.200	-0.290	-0.091	0.844		0.866	0.890	0.608	score	Semantic
FDL	0.130	0.041	-0.199	-0.153	-0.159	-0.349	0.084	0.084	0.103	-0.192	0.171	0.939	0.866		0.943	0.447		
SEL	0.179	-0.272	-0.317	-0.312	-0.396	0.068	-0.187	-0.180	0.095	-0.341	0.346	0.801	0.890	0.943		0.799		
ORL	-0.351	-0.485	-0.370	-0.528	-0.601	0.336	-0.469	-0.465	-0.430	-0.438	0.251	0.248	0.608	0.447	0.799			

	Nodes	Edges	Density	MND	MND SD	AVG CC	MLL	MLL-C	FDL	SEL	ORL	MLL	MLL-C	FDL	SEL	ORL		
Nodes		2.776E-04	0.272	0.490	0.180	0.164	2.808E-06	6.273E-06	8.248E-08	0.195	0.070	0.811	0.617	0.703	0.597	0.290	parameters	Network
Edges	0.000		0.901	0.080	0.011	0.326	1.025E-06	3.730E-07	8.336E-06	1.318E-03	0.231	0.960	0.379	0.906	0.419	0.130		
Density	0.272	0.901		0.005	0.036	0.494	0.505	0.527	0.410	4.392E-07	0.451	0.742	0.261	0.558	0.342	0.263		
MND	0.490	0.080	0.005		1.393E-06	0.876	0.270	0.253	0.338	1.391E-07	0.595	0.637	0.105	0.654	0.350	0.095		
MND SD	0.180	0.011	0.036	0.000		0.918	0.064	0.058	0.093	1.955E-07	0.534	0.659	0.091	0.640	0.228	0.050		
AVG CC	0.164	0.326	0.494	0.876	0.918		0.175	0.185	0.177	0.543	0.887	0.193	0.390	0.293	0.843	0.312		
MLL	0.000	0.000	0.505	0.270	0.064	0.175		2.638E-14	1.681E-10	0.483	0.231	0.834	0.523	0.805	0.582	0.146	time	Running
MLL-C	0.000	0.000	0.527	0.253	0.058	0.185	0.000		1.717E-09	0.482	0.238	0.837	0.522	0.807	0.597	0.150		
FDL	0.000	0.000	0.410	0.338	0.093	0.177	0.000	0.000		0.291	0.162	0.816	0.555	0.763	0.781	0.187		
SEL	0.195	0.001	0.000	0.000	0.000	0.543	0.483	0.482	0.291		0.205	0.882	0.386	0.572	0.305	0.178		
ORL	0.070	0.231	0.451	0.595	0.534	0.887	0.231	0.238	0.162	0.205		0.903	0.789	0.616	0.297	0.457		
MLL	0.811	0.960	0.742	0.637	0.659	0.193	0.834	0.837	0.816	0.882	0.903		1.084E-03	1.800E-05	3.046E-03	0.461		
MLL-C	0.617	0.379	0.261	0.105	0.091	0.390	0.523	0.522	0.555	0.386	0.789	0.001		5.603E-04	2.391E-04	0.047	score	Semantic
FDL	0.703	0.906	0.558	0.654	0.640	0.293	0.805	0.807	0.763	0.572	0.616	0.000	0.001		1.354E-05	0.168		
SEL	0.597	0.419	0.342	0.350	0.228	0.843	0.582	0.597	0.781	0.305	0.297	0.003	0.000	0.000		0.003		
ORL	0.290	0.130	0.263	0.095	0.050	0.312	0.146	0.150	0.187	0.178	0.457	0.461	0.047	0.168	0.003			

Pearson correlation coefficients (upper table), and their statistical significance (lower table, from t -distribution), among the network parameters, running times and semantic scores. Highlighted are significant correlations ($p < 0.05$)