

# CITATION REPORT

List of articles citing

## A Survey of Statistical Network Models

DOI: 10.1561/22000000005

Foundations and Trends in Machine Learning, 2009, 2, 129-233

**Source:** <https://exaly.com/paper-pdf/46820339/citation-report.pdf>

**Version:** 2024-04-26

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
419	On the geometry of discrete exponential families with application to exponential random graph models. <b>2009</b> , 3,		71
418	Introduction to papers on the modeling and analysis of network data. <b>2010</b> , 4,		22
417	Investigation of spatio-temporal dependencies in neuronal functional connectivity. <b>2010</b> ,		1
416	Learnability of latent position network models. <b>2011</b> ,		
415	Attribute fusion in a latent process model for time series of graphs. <b>2011</b> ,		2
414	Bayesian model selection of Stochastic Blockmodels for random graphs. <b>2011</b> ,		
413	Mixture of Experts Modelling with Social Science Applications. <b>2011</b> , 101-121		4
412	Statistical Models for Social Networks. <b>2011</b> , 37, 131-153		233
411	Overlapping stochastic block models with application to the French political blogosphere. <b>2011</b> , 5,		97
410	A latent process model for time series of attributed random graphs. <b>2011</b> , 14, 231-253		15
409	Community extraction for social networks. <b>2011</b> , 108, 7321-6		100
408	Extraction and Analysis of Facebook Friendship Relations. <b>2012</b> , 291-324		22
407	Fast Inference for the Latent Space Network Model Using a Case-Control Approximate Likelihood. <b>2012</b> , 21, 901-919		60
406	Stochastic blockmodels with a growing number of classes. <b>2012</b> , 99, 273-284		97
405	Computational Statistical Methods for Social Network Models. <b>2012</b> , 21, 856-882		50
404	Metrics and Models for Social Networks. <b>2012</b> , 115-142		2
403	Inference and characterization of multi-attribute networks with application to computational biology. <b>2012</b> , 6,		9

402	Exponential-family random graph models for valued networks. <b>2012</b> , 6, 1100-1128	136
401	Emergent clustering methods for empirical OM research. <b>2012</b> , 30, 454-466	27
400	Privacy in Social Networks. <b>2012</b> , 3, 1-85	10
399	A Consistent Adjacency Spectral Embedding for Stochastic Blockmodel Graphs. <b>2012</b> , 107, 1119-1128	86
398	A Brief History of Statistical Models for Network Analysis and Open Challenges. <b>2012</b> , 21, 825-839	64
397	Communities, modules and large-scale structure in networks. <b>2012</b> , 8, 25-31	457
396	Models for networks: a cross-disciplinary science. <b>2012</b> , 4, 13-27	8
395	Review of statistical network analysis: models, algorithms, and software. <b>2012</b> , 5, 243-264	77
394	New consistent and asymptotically normal parameter estimates for random-graph mixture models. <b>2012</b> , 74, 3-35	28
393	Multiscale evolving complex network model of functional connectivity in neuronal cultures. <b>2012</b> , 59, 30-4	9
392	Link prediction using a probabilistic description logic. <b>2013</b> , 19, 397-409	3
391	Hierarchical longitudinal models of relationships in social networks. <b>2013</b> , 62, 705-722	8
390	The mutual information of a class of graphical channels. <b>2013</b> ,	2
389	Analysis and mining of online social networks: emerging trends and challenges. <b>2013</b> , 3, 408-444	12
388	Estimation of exchangeable graph models by stochastic blockmodel approximation. <b>2013</b> ,	1
387	Graver basis for an undirected graph and its application to testing the beta model of random graphs. <b>2013</b> , 65, 191-212	12
386	The analysis of social network data: an exciting frontier for statisticians. <b>2013</b> , 32, 539-55	36
385	On the Longest Paths and the Diameter in Random Apollonian Networks. <b>2013</b> , 43, 355-365	5

384	Point process modelling for directed interaction networks. <b>2013</b> , 75, 821-849	59
383	Text mining in computational advertising. <b>2013</b> , 6, 273-285	10
382	Hierarchical Network Models for Education Research: Hierarchical Latent Space Models. <b>2013</b> , 38, 295-318	45
381	Efficient discovery of overlapping communities in massive networks. <b>2013</b> , 110, 14534-9	139
380	Sampling for Conditional Inference on Network Data. <b>2013</b> , 108, 1295-1307	11
379	Friendship networks and social status. <b>2013</b> , 1, 16-30	59
378	MULTI-WAY BLOCKMODELS FOR ANALYZING COORDINATED HIGH-DIMENSIONAL RESPONSES. <b>2013</b> , 7, 2431-2457	4
377	Multilayer Networks. <b>2013</b> ,	38
376	A latent parameter node-centric model for spatial networks. <b>2013</b> , 8, e71293	2
375	Linear inverse problems on Erdős-Rényi graphs: Information-theoretic limits and efficient recovery. <b>2014</b> ,	3
374	Regular equivalence in informed network search. <b>2014</b> ,	
373	A novel spreading framework using incremental clustering for viral marketing. <b>2014</b> ,	1
372	Decoding Binary Node Labels from Censored Edge Measurements: Phase Transition and Efficient Recovery. <b>2014</b> , 1, 10-22	45
371	Link formation in undergraduate students friendship network. <b>2014</b> ,	
370	Network analysis approach to study hospitals' prescription patterns focused on the impact of new healthcare policy. <b>2014</b> ,	1
369	Dependent stochastic blockmodels. <b>2014</b> ,	
368	. <b>2014</b> ,	4
367	A Comparison of Blocking Methods for Record Linkage. <b>2014</b> , 253-268	53

366	Statistical modelling of the group structure of social networks. <b>2014</b> , 38, 74-87	14
365	Evolution of social networks. <b>2014</b> , 234, 583-596	43
364	Private Analysis of Graph Structure. <b>2014</b> , 39, 1-33	43
363	Similarity network fusion for aggregating data types on a genomic scale. <b>2014</b> , 11, 333-7	849
362	Dynamic Stochastic Blockmodels for Time-Evolving Social Networks. <b>2014</b> , 8, 552-562	116
361	A statistical social network model for consumption data in trophic food webs. <b>2014</b> , 17, 139-160	3
360	Online Inference of Mixed Membership Stochastic Blockmodels for Network Data Streams. <b>2014</b> , E97.D, 752-761	1
359	A testing based extraction algorithm for identifying significant communities in networks. <b>2014</b> , 8,	20
358	Exploring Mixed Membership Stochastic Block Models via Non-negative Matrix Factorization. <b>2014</b> ,	
357	. <b>2015</b> ,	4
356	Measuring multiple evolution mechanisms of complex networks. <b>2015</b> , 5, 10350	50
355	Is the corporate elite disintegrating?. <b>2015</b> ,	
354	Mapping dynamic social networks in real life using participants' own smartphones. <b>2015</b> , 1, e00037	15
353	Exponential random simplicial complexes. <b>2015</b> , 48, 465002	22
352	A Statistical Model for Social Network Labeling. <b>2015</b> ,	
351	Generating attributed networks with communities. <b>2015</b> , 10, e0122777	31
350	The Econometrics of Networks: A Review. <b>2015</b> ,	
349	Latent Space Models for Dynamic Networks. <b>2015</b> , 110, 1646-1657	101

348	Literature survey on dynamic community detection and models of social networks. <b>2015,</b>	2
347	Model selection and clustering in stochastic block models based on the exact integrated complete data likelihood. <b>2015, 15, 564-589</b>	41
346	A matrix factorization approach to graph compression with partial information. <b>2015, 6, 523-536</b>	4
345	Discriminative Relational Topic Models. <b>2015, 37, 973-86</b>	16
344	Methods of Identification in Social Networks. <b>2015, 7, 465-485</b>	63
343	Probabilistic graphical models in modern social network analysis. <b>2015, 5, 1</b>	16
342	Social ties, homophily and extraversion--introversion to generate complex networks. <b>2015, 5, 1</b>	1
341	Role Analysis in Networks using Mixtures of Exponential Random Graph Models. <b>2015, 24, 520-538</b>	29
340	Econometric Information Recovery in Behavioral Networks. <b>2016, 4, 38</b>	1
339	Empirical Bayes estimation for the stochastic blockmodel. <b>2016, 10,</b>	7
338	Data-based Reconstruction of Gene Regulatory Networks of Fungal Pathogens. <b>2016, 7, 570</b>	5
337	Homophily and Community Structure in Networks. <b>2016, 18, 268-290</b>	5
336	Optical performance monitor placement in OTNs using link statistical model. <b>2016,</b>	1
335	A Combinatorial Approach to Role Discovery. <b>2016,</b>	3
334	Generating massive complex networks with hyperbolic geometry faster in practice. <b>2016,</b>	10
333	Coauthorship and citation networks for statisticians. <b>2016, 10,</b>	33
332	Automatic inference of graph models for directed complex networks using genetic programming. <b>2016,</b>	
331	Asymptotic quantization of exponential random graphs. <b>2016, 26,</b>	10

330	Social Network Methods for the Educational and Psychological Sciences. <b>2016</b> , 51, 381-394	13
329	Detectability Thresholds and Optimal Algorithms for Community Structure in Dynamic Networks. <b>2016</b> , 6,	35
328	Block modelling in dynamic networks with non-homogeneous Poisson processes and exact ICL. <b>2016</b> , 6, 1	4
327	Asymptotics of score test in the generalized model for networks. <b>2016</b> , 119, 163-169	1
326	Generative Data Models for Validation and Evaluation of Visualization Techniques. <b>2016</b> ,	12
325	Designing networks: A mixed-integer linear optimization approach. <b>2016</b> , 68, 283-301	4
324	Network structural optimization based on swarm intelligence for highlevel classification. <b>2016</b> ,	2
323	Detecting community structures in Hi-C genomic data. <b>2016</b> ,	12
322	ROLL. <b>2016</b> ,	11
321	Scalable models for computing hierarchies in information networks. <b>2016</b> , 49, 687-717	2
320	A scanning method for detecting clustering pattern of both attribute and structure in social networks. <b>2016</b> , 445, 295-309	10
319	A Limit Theorem for Scaled Eigenvectors of Random Dot Product Graphs. <b>2016</b> , 78, 1-18	30
318	Joint Modeling of Multiple Network Views. <b>2016</b> , 25, 246-265	37
317	Structure learning for weighted networks based on Bayesian nonparametric models. <b>2016</b> , 7, 479-489	5
316	Structural inference for uncertain networks. <b>2016</b> , 93, 012306	30
315	Exact ICL maximization in a non-stationary temporal extension of the stochastic block model for dynamic networks. <b>2016</b> , 192, 81-91	13
314	Bayesian exponential random graph models with nodal random effects. <b>2016</b> , 46, 11-28	25
313	. <b>2016</b> , 62, 471-487	151

312	A meta-analysis of centrality measures for comparing and generating complex network models. <b>2016</b> , 17, 205-215	12
311	NATERGM: A Model for Examining the Role of Nodal Attributes in Dynamic Social Media Networks. <b>2016</b> , 28, 729-740	7
310	A Statistical Model for Social Network Labeling. <b>2016</b> , 34, 368-374	5
309	How Many Communities Are There?. <b>2017</b> , 26, 171-181	42
308	Goodness of fit for log-linear network models: dynamic Markov bases using hypergraphs. <b>2017</b> , 69, 673-704	4
307	Stochastic block models for multiplex networks: an application to a multilevel network of researchers. <b>2017</b> , 180, 295-314	41
306	Stochastic Actor-Oriented Models for Network Dynamics. <b>2017</b> , 4, 343-363	80
305	An upper approximation based community detection algorithm for complex networks. <b>2017</b> , 96, 103-118	18
304	Social network analysis in sport research: an emerging paradigm. <b>2017</b> , 14, 138-165	54
303	A simple and efficient algorithm for modeling modular complex networks. <b>2017</b> , 482, 218-227	1
302	Mining repeating pattern in packet arrivals: Metrics, models, and applications. <b>2017</b> , 408, 1-22	7
301	Sharing social network data: differentially private estimation of exponential family random-graph models. <b>2017</b> , 66, 481-500	12
300	Penalized component hub models. <b>2017</b> , 49, 27-36	2
299	Stable exponential random graph models with non-parametric components for large dense networks. <b>2017</b> , 49, 67-80	9
298	Learning the Structural Vocabulary of a Network. <b>2017</b> , 29, 287-312	2
297	Predicting links based on knowledge dissemination in complex network. <b>2017</b> , 471, 561-568	16
296	Generating Scaled Replicas of Real-World Complex Networks. <b>2017</b> , 17-28	11
295	A Survey of Link Prediction in Complex Networks. <b>2017</b> , 49, 1-33	236



294	Econometrics of Network Models. 268-323	19
293	Statistical models for cores decomposition of an undirected random graph. <b>2017</b> , 11,	3
292	Sparse graphs using exchangeable random measures. <b>2017</b> , 79, 1295-1366	65
291	Is the housing market blind to religion? A perceived substitutability approach to homophily and social integration. <b>2017</b> , 54, 3058-3070	7
290	Bayesian Fused Lasso Regression for Dynamic Binary Networks. <b>2017</b> , 26, 840-850	6
289	Spontaneous Activity in the Zebrafish Tectum Reorganizes over Development and Is Influenced by Visual Experience. <b>2017</b> , 27, 2407-2419.e4	40
288	Bootstrap quantification of estimation uncertainties in network degree distributions. <b>2017</b> , 7, 5807	7
287	Generative models of online discussion threads: state of the art and research challenges. <b>2017</b> , 8,	16
286	Generative models for network neuroscience: prospects and promise. <b>2017</b> , 14,	51
285	A survey on theoretical advances of community detection in networks. <b>2017</b> , 9, e1403	15
284	JANUS: A hypothesis-driven Bayesian approach for understanding edge formation in attributed multigraphs. <b>2017</b> , 2, 16	5
283	Degree-based moment estimation for ordered networks. <b>2017</b> , 30, 721-733	2
282	A note on jointly modeling edges and node attributes of a network. <b>2017</b> , 121, 54-60	3
281	Evaluation of Graph Sampling: A Visualization Perspective. <b>2017</b> , 23, 401-410	31
280	An overview and perspective on social network monitoring. <b>2017</b> , 49, 354-365	73
279	A note on asymptotic distributions in directed exponential random graph models with bi-degree sequences. <b>2017</b> , 46, 8852-8864	7
278	Statistical clustering of temporal networks through a dynamic stochastic block model. <b>2017</b> , 79, 1119-1141	118
277	Conditionally exponential random models for individual properties and network structures: Method and application. <b>2017</b> , 48, 202-212	3

276	A statistical approach to social network monitoring. <b>2017</b> , 46, 11272-11288	12
275	Relational Variational Autoencoder for Link Prediction with Multimedia Data. <b>2017</b> ,	0
274	Modeling Over-Dispersion for Network Data Clustering. <b>2017</b> ,	1
273	A roadmap for the computation of persistent homology. <b>2017</b> , 6, 17	188
272	Generating realistic scaled complex networks. <b>2017</b> , 2, 36	12
271	Network estimation via poisson autoregressive models. <b>2017</b> ,	1
270	Revisiting Spectral Graph Clustering with Generative Community Models. <b>2017</b> ,	6
269	Particle Filter Inference based on Activities for Overlapping Community Models. <b>2017</b> ,	
268	Graph sampling. <b>2017</b> , 75, 277-299	1
267	A network science approach to estimate link-related network economics. <b>2017</b> ,	1
266	Community detection in hypergraphs, spiked tensor models, and Sum-of-Squares. <b>2017</b> ,	12
265	Network Formation with Local Complements and Global Substitutes: The Case of R&D Networks. <b>2017</b> ,	3
264	Discovering patterns in time-varying graphs: a triclustering approach. <b>2018</b> , 12, 509-536	6
263	Algorithmic detectability threshold of the stochastic block model. <b>2018</b> , 97, 032301	9
262	Stylized facts in social networks: Community-based static modeling. <b>2018</b> , 500, 23-39	8
261	Social Network Modeling. <b>2018</b> , 5, 343-369	25
260	On equivalence of likelihood maximization of stochastic block model and constrained nonnegative matrix factorization. <b>2018</b> , 503, 687-697	4
259	Animal movement models for migratory individuals and groups. <b>2018</b> , 9, 1692-1705	8

258	Efficient simulation and analysis of mid-sized networks. <b>2018</b> , 119, 273-288	
257	Dealing with reciprocity in dynamic stochastic block models. <b>2018</b> , 123, 86-100	7
256	Process convolution approaches for modeling interacting trajectories. <b>2018</b> , 29, e2487	11
255	Symmetric graph properties have independent edges. <b>2018</b> , 261, 446-463	
254	Network Structure Inference, A Survey. <b>2018</b> , 51, 1-39	53
253	Optimal Expert Knowledge Elicitation for Bayesian Network Structure Identification. <b>2018</b> , 15, 1163-1177	4
252	Exact p-Values for Network Interference. <b>2018</b> , 113, 230-240	52
251	Semiparametric Analysis of Network Formation. <b>2018</b> , 36, 705-713	14
250	Goodness of Fit of Logistic Regression Models for Random Graphs. <b>2018</b> , 27, 98-109	5
249	Proof of the Achievability Conjectures for the General Stochastic Block Model. <b>2018</b> , 71, 1334-1406	19
248	Social Network Analysis in R: A Software Review. <b>2018</b> , 43, 225-253	5
247	Point Patterns Occurring on Complex Structures in Space and Space-Time: An Alternative Network Approach. <b>2018</b> , 27, 312-322	7
246	A block model for node popularity in networks with community structure. <b>2018</b> , 80, 365-386	18
245	Action-Based Model for Topologically Resilient Supply Networks. <b>2018</b> , 658-669	
244	Validation of community robustness. <b>2018</b> , 120, 1-24	9
243	A Bayesian change point model for detecting SIP-based DDoS attacks. <b>2018</b> , 77, 48-62	13
242	Investigating competition in financial markets: a sparse autologistic model for dynamic network data. <b>2018</b> , 45, 1157-1172	3
241	Time Series Prediction for Graphs in Kernel and Dissimilarity Spaces. <b>2018</b> , 48, 669-689	4

240	Estimating a network from multiple noisy realizations. <b>2018</b> , 12,	8
239	Random-walk models of network formation and sequential Monte Carlo methods for graphs. <b>2018</b> , 80, 871-898	8
238	EGBTER: Capturing Degree Distribution, Clustering Coefficients, and Community Structure in a Single Random Graph Model. <b>2018</b> ,	
237	Development of a Representative EV Urban Driving Cycle Based on a k-Means and SVM Hybrid Clustering Algorithm. <b>2018</b> , 2018, 1-18	19
236	The effect of temporal aggregation level in social network monitoring. <b>2018</b> , 13, e0209075	13
235	Modeling topologically resilient supply chain networks. <b>2018</b> , 3,	9
234	. <b>2018</b> , 6, 69682-69701	2
233	Change detection in a dynamic stream of attributed networks. <b>2018</b> , 50, 418-430	15
232	A review of dynamic network models with latent variables. <b>2018</b> , 12, 105-135	43
231	Model-assisted design of experiments in the presence of network-correlated outcomes. <b>2018</b> , 105, 849-858	12
230	A study on multi-omic oscillations in Escherichia coli metabolic networks. <b>2018</b> , 19, 194	5
229	Tracking network dynamics: A survey using graph distances. <b>2018</b> , 12,	39
228	Sparse Power-Law Network Model for Reliable Statistical Predictions Based on Sampled Data. <b>2018</b> , 20,	2
227	How to Calculate the Barycenter of a Weighted Graph. <b>2018</b> , 43, 1085-1118	2
226	Anomaly Detection With Subgraph Search and Vertex Classification Preprocessing in Chung-Lu Random Networks. <b>2018</b> , 66, 5255-5268	6
225	Logistic regression augmented community detection for network data with application in identifying autism-related gene pathways. <b>2019</b> , 75, 222-234	1
224	Solving Square Jigsaw Puzzle by Hierarchical Loop Constraints. <b>2019</b> , 41, 2222-2235	5
223	Knowledge diffusion simulation of knowledge networks: based on complex network evolutionary algorithms. <b>2019</b> , 22, 15255-15265	2

222	Graph Pattern Index for Neo4j Graph Databases. <b>2019</b> , 69-90	0
221	Guidelines for Experimental Algorithmics: A Case Study in Network Analysis. <b>2019</b> , 12, 127	6
220	Preface. <b>2019</b> , xv-xviii	
219	Introduction. <b>2019</b> , 1-14	
218	Model-based Clustering: Basic Ideas. <b>2019</b> , 15-78	
217	Dealing with Difficulties. <b>2019</b> , 79-108	
216	Model-based Classification. <b>2019</b> , 109-133	
215	Semi-supervised Clustering and Classification. <b>2019</b> , 134-162	
214	Discrete Data Clustering. <b>2019</b> , 163-198	
213	Variable Selection. <b>2019</b> , 199-216	
212	High-dimensional Data. <b>2019</b> , 217-258	
211	Non-Gaussian Model-based Clustering. <b>2019</b> , 259-291	
210	Network Data. <b>2019</b> , 292-330	
209	Model-based Clustering with Covariates. <b>2019</b> , 331-350	
208	Other Topics. <b>2019</b> , 351-383	
207	Bibliography. <b>2019</b> , 386-414	1
206	Author Index. <b>2019</b> , 415-422	
205	Subject Index. <b>2019</b> , 423-427	

204	Latent space modelling of multidimensional networks with application to the exchange of votes in Eurovision song contest. <b>2019</b> , 13,	5
203	Bayesian consensus clustering in multiplex networks. <b>2019</b> , 29, 103142	3
202	Permutation and randomization tests for network analysis. <b>2019</b> , 59, 171-183	5
201	Flexible model of network embedding. <b>2019</b> , 9, 11710	1
200	Nonparametric Identification in the Dynamic Stochastic Block Model. <b>2019</b> , 65, 4335-4344	1
199	Community detection with structural and attribute similarities. <b>2019</b> , 89, 668-685	2
198	On the use of random graphs as null model of large connected networks. <b>2019</b> , 119, 318-325	6
197	Stephen Elliott Fienberg 1942–2016, Founding Editor of the Annual Review of Statistics and Its Application. <b>2019</b> , 6, 1-18	2
196	Common and individual structure of brain networks. <b>2019</b> , 13,	12
195	The Block Point Process Model for Continuous-time Event-based Dynamic Networks. <b>2019</b> ,	5
194	Dynamic network models and graphon estimation. <b>2019</b> , 47,	11
193	Connectal coding: discovering the structures linking cognitive phenotypes to individual histories. <b>2019</b> , 55, 199-212	4
192	Fusing data depth with complex networks: Community detection with prior information. <b>2019</b> , 139, 99-116	4
191	Prediction models for network-linked data. <b>2019</b> , 13,	10
190	Introduction to Social Network Analysis. <b>2019</b> , 617-660	0
189	Spectral clustering in the dynamic stochastic block model. <b>2019</b> , 13,	16
188	Random Spatial Network Models for Core-Periphery Structure. <b>2019</b> ,	3
187	A note on parallel sampling in Markov graphs. <b>2019</b> , 34, 1087-1107	

186	. 2019,	2
185	Optimal Timelines for Network Processes. 2019,	
184	A Survey of Different Methods in Finding Latent Relationships among Complex Networks. 2019,	1
183	Particle swarm optimization for network-based data classification. 2019, 110, 243-255	18
182	. 2019, 65, 2953-2975	9
181	Portal Nodes Screening for Large Scale Social Networks. 2019, 209, 145-157	3
180	Discussion on Real-time monitoring of events applied to syndromic surveillance 2019, 31, 91-96	1
179	Monitoring communication outbreaks among an unknown team of actors in dynamic networks. 2019, 51, 353-374	9
178	Node Features Adjusted Stochastic Block Model. 2019, 28, 362-373	1
177	Change detection in dynamic attributed networks. 2019, 9, e1286	3
176	Adapting Stochastic Block Models to Power-Law Degree Distributions. 2019, 49, 626-637	9
175	Probabilistic Community Detection With Unknown Number of Communities. 2019, 114, 893-905	19
174	Statistical Inference in a Directed Network Model With Covariates. 2019, 114, 857-868	20
173	Online field experiments. 2019, 29, 217-234	4
172	Controlling Best Response Dynamics for Network Games. 2019, 6, 225-236	1
171	Centrality Measures for Graphons: Accounting for Uncertainty in Networks. 2020, 7, 520-537	21
170	Modeling and Change Detection for Count-Weighted Multilayer Networks. 2020, 62, 184-195	11
169	Variational Inference for Stochastic Block Models From Sampled Data. 2020, 115, 455-466	9

168	Integrating simulation and signal processing in tracking complex social systems. <b>2020</b> , 26, 1-22	1
167	Posterior Contraction Rates for Stochastic Block Models. <b>2020</b> , 82, 448-476	1
166	Clique-Based Method for Social Network Clustering. <b>2020</b> , 37, 254-274	6
165	Spectral clustering-based community detection using graph distance and node attributes. <b>2020</b> , 35, 69-94	4
164	Algebraic Statistics in Practice: Applications to Networks. <b>2020</b> , 7, 227-250	1
163	Estimation of local degree distributions via local weighted averaging and Monte Carlo cross-validation. <b>2020</b> , 144, 106886	0
162	Modelling and prediction of financial trading networks: an application to the New York Mercantile Exchange natural gas futures market. <b>2020</b> , 69, 195-218	1
161	Dynamic interbank network analysis using latent space models. <b>2020</b> , 112, 103792	4
160	Random Graph Modeling. <b>2020</b> , 52, 1-36	7
159	Varying-coefficient models for dynamic networks. <b>2020</b> , 152, 107052	5
158	Identifying tumor clones in sparse single-cell mutation data. <b>2020</b> , 36, i186-i193	5
157	Network data. <b>2020</b> , 111-218	5
156	Asymptotics in a probit model for directed networks. <b>2020</b> , 1-17	
155	Local Statistic With Dynamic Vertex Selection for Change-Point Detection in Stochastic Block Networks. <b>2020</b> , 8, 127954-127967	1
154	Hierarchical Community Detection by Recursive Partitioning. <b>2020</b> , 1-18	7
153	Reconstruction of C&C channel for P2P botnet. <b>2020</b> , 14, 1318-1326	2
152	Network dynamics with a nested node set: Sociability in seven villages in Senegal. <b>2020</b> , 74, 300-323	1
151	Information Network Modeling for U.S. Banking Systemic Risk. <b>2020</b> , 22,	4



150	Constrained Spectral Clustering for Dynamic Community Detection. <b>2020</b> ,	2
149	Estimation in a binomial stochastic blockmodel for a weighted graph by a variational expectation maximization algorithm. <b>2020</b> , 1-20	1
148	Linear work generation of R-MAT graphs. <b>2020</b> , 8, 543-550	2
147	Exchangeable random measures for sparse and modular graphs with overlapping communities. <b>2020</b> , 82, 487-520	4
146	Animal movement models for multiple individuals. <b>2020</b> , 12, e1506	2
145	Complex network structure extraction based on community relevance. <b>2020</b> , 31, 2050062	
144	. <b>2020</b> , 66, 7067-7080	1
143	Optimal Bayesian estimation for random dot product graphs. <b>2020</b> , 107, 875-889	1
142	Conditionally Independent Dyads (CID) network models: A latent variable approach to statistical social network analysis. <b>2020</b> , 63, 122-133	4
141	Test dense subgraphs in sparse uniform hypergraph. <b>2020</b> , 1-20	2
140	Tempus volat, hora fugit: A survey of tie-oriented dynamic network models in discrete and continuous time. <b>2020</b> , 74, 275-299	10
139	Interacting Spreading Processes in Multilayer Networks: A Systematic Review. <b>2020</b> , 8, 10316-10341	19
138	Examining the variability in network populations and its role in generative models. <b>2020</b> , 8, S43-S64	0
137	Detecting Overlapping Communities in Networks Using Spectral Methods. <b>2020</b> , 2, 265-283	15
136	Modeling and monitoring unweighted networks with directed interactions. <b>2021</b> , 53, 116-130	4
135	Network Mediation Analysis Using Model-Based Eigenvalue Decomposition. <b>2021</b> , 28, 148-161	1
134	Parameter estimation in a 3-parameter p-star random graph model. <b>2021</b> , 77, 403-420	
133	Spatial Modeling Approach for Dynamic Network Formation and Interactions. <b>2021</b> , 39, 120-135	3

132	Deterministic blockmodelling of signed and two-mode networks: A tutorial with software and psychological examples. <b>2021</b> , 74, 34-63	2
131	Foundations and Modeling of Dynamic Networks Using Dynamic Graph Neural Networks: A Survey. <b>2021</b> , 9, 79143-79168	25
130	Network Science for Communication Engineering. <b>2021</b> , 939-949	
129	Community Detection in Dynamic Networks: Equivalence Between Stochastic Blockmodels and Evolutionary Spectral Clustering. <b>2021</b> , 7, 130-143	2
128	A network approach to measuring state preferences. <b>2021</b> , 9, 135-152	0
127	Link predictions for incomplete network data with outcome misclassification. <b>2021</b> , 40, 1519-1534	
126	Sparse-Group Lasso for Graph Learning From Multi-Attribute Data. <b>2021</b> , 69, 1771-1786	2
125	Dimension reduction for covariates in network data.	2
124	Minimax Rates in Network Analysis: Graphon Estimation, Community Detection and Hypothesis Testing. <b>2021</b> , 36,	4
123	Optimal change point detection and localization in sparse dynamic networks. <b>2021</b> , 49,	6
122	A Bayesian State-Space Approach to Mapping Directional Brain Networks. 1-11	1
121	Dependence Graphs Based on Association Rules to Explore Delusional Experiences. <b>2021</b> , 1-29	
120	Estimation and clustering in popularity adjusted block model. <b>2021</b> , 83, 293-317	3
119	Statistical Connectomics. <b>2021</b> , 8, 463-492	3
118	Investigation of patient-sharing networks using a Bayesian network model selection approach for congruence class models. <b>2021</b> , 40, 3167-3180	
117	Unraveling the Detectability of Stochastic Block Model With Overlapping Communities. <b>2021</b> , 8, 1443-1455	1
116	TG-GAN: Continuous-time Temporal Graph Deep Generative Models with Time-Validity Constraints. <b>2021</b> ,	2
115	Analysis and Interventions in Large Network Games. <b>2021</b> , 4, 455-486	2

114	Factor Models for High-Dimensional Tensor Time Series. 1-23	5
113	Hierarchical Network Models for Exchangeable Structured Interaction Processes. 1-18	
112	. 2021,	0
111	Neural Blockmodeling for Multilayer Networks. 2021,	
110	Analysis of longitudinal advice-seeking networks following implementation of high stakes testing.	
109	Monitoring dynamic networks: A simulation-based strategy for comparing monitoring methods and a comparative study.	3
108	Null Models and Community Detection in Multi-Layer Networks. 1	1
107	Public health interventions in the face of pandemics: Network structure, social distancing, and heterogeneity. 2021, 298, 1016-1016	1
106	Mixture models and networks: The stochastic blockmodel. 1471082X2110331	1
105	Analysis of networks via the sparse $\mathbb{E}$ model.	2
104	Co-citation and Co-authorship Networks of Statisticians. 1-32	4
103	Stochastic blockmodeling for learning the structure of optimization problems. e17415	1
102	Global hierarchy vs local structure: Spurious self-feedback in scale-free networks. 2021, 3,	0
101	Separable and semiparametric network-based counting processes applied to the international combat aircraft trades. 1-21	1
100	. 2021, 67, 6868-6893	0
99	Regional and sectoral structures of the Chinese economy: A network perspective from multi-regional input-output tables. 2021, 581, 126196	5
98	EM-based smooth graphon estimation using MCMC and spline-based approaches. 2022, 68, 279-295	1
97	Phase transitions of Best-of-two and Best-of-three on stochastic block models. 2021, 59, 96-140	

96	Pattern Recognition Algorithms for Multi-Omics Data Analysis. <b>2021</b> , 141-158	1
95	Temporal Link Prediction with Motifs for Social Networks. <b>2021</b> , 1-1	0
94	Differentially Private Exponential Random Graphs. <b>2014</b> , 143-155	12
93	Investigating Fitness Measures for the Automatic Construction of Graph Models. <b>2015</b> , 189-200	1
92	A Hypotheses-driven Bayesian Approach for Understanding Edge Formation in Attributed Multigraphs. <b>2017</b> , 3-16	1
91	Integrating Simulation and Signal Processing with Stochastic Social Kinetic Model. <b>2017</b> , 193-203	1
90	Reachability Analysis and Modeling of Dynamic Event Networks. <b>2012</b> , 442-457	2
89	Dynamic Stochastic Blockmodels: Statistical Models for Time-Evolving Networks. <b>2013</b> , 201-210	27
88	Conditional Random Fields, Planted Constraint Satisfaction and Entropy Concentration. <b>2013</b> , 332-346	16
87	Social Networks and Causal Inference. <b>2013</b> , 353-374	29
86	Model-Based Clustering and Classification for Data Science: With Applications in R. <b>2019</b> ,	51
85	A Visual Analytics Framework for Contrastive Network Analysis. <b>2020</b> ,	0
84	STGGAN. <b>2019</b> ,	2
83	Network Embedding for Community Detection in Attributed Networks. <b>2020</b> , 14, 1-25	21
82	Optimal rates for community estimation in the weighted stochastic block model. <b>2020</b> , 48,	9
81	Exchangeable trait allocations. <b>2018</b> , 12,	2
80	Detecting Structural Changes in Longitudinal Network Data. <b>2020</b> , 15,	1
79	Nonparametric inference for continuous-time event counting and link-based dynamic network models. <b>2019</b> , 13,	2

78	Exponential-Family Models of Random Graphs: Inference in Finite, Super and Infinite Population Scenarios. <b>2020</b> , 35,	19
77	Generating Artificial Social Networks. <b>2019</b> , 15, 56-74	2
76	Social Network Construction in the Information Age. 131-155	2
75	A survey on exponential random graph models: an application perspective. <b>2020</b> , 6, e269	2
74	Node copying: A random graph model for effective graph sampling. <b>2021</b> , 192, 108335	0
73	Efficient Solution of Enterprise-Wide Optimization Problems Using Nested Stochastic Blockmodeling. <b>2021</b> , 60, 14476-14494	1
72	Centrality Robustness and Link Prediction in Complex Social Networks. <b>2012</b> , 197-224	0
71	Evolution of Social Networks.	
70	Human Socio-cultural Behavior Modeling: A Soft-Computing Approach. <b>2013</b> , 17, 6-14	
69	Symmetric Graph Properties Have Independent Edges. <b>2015</b> , 467-478	1
68	Econometric Information Recovery in Behavioral Networks.	
67	Econometric Information Recovery in Behavioral Networks.	
66	Effects of Contact Network Models on Stochastic Epidemic Simulations. <b>2017</b> , 101-110	1
65	Introduction to Social Network Analysis. <b>2017</b> , 1-44	
64	Modeling Networks with a Growing Feature-Structure. <b>2017</b> , 23, 127-144	2
63	Sampling as a Method of Comparing Real and Generated Networks. <b>2018</b> , 117-127	
62	Link Statistical Pattern of Undersea Communication Networks. <b>2018</b> , 407-412	
61	A Statistician's View of Network Modeling. <b>2019</b> , 23-41	1

- 60 Social-Affiliation Networks: Patterns and the SOAR Model. **2019**, 105-121
- 59 Sequential Monte Carlo Inference Based on Activities for Overlapping Community Models. **2019**, 89-106
- 58 10 Reasons to Get Interested in Graph Drawing. **2019**, 85-104 1
- 57 Connectal Coding: Discovering the Structures Linking Cognitive Phenotypes to Individual Histories.
- 56 Deep Dynamic Mixed Membership Stochastic Blockmodel. **2019**, 0
- 55 Attention-Based Graph Evolution. **2020**, 436-447 1
- 54 Bayesian Methods in Brain Networks. 1-10
- 53 Identifying overlapping terrorist cells from the Noordin Top actor-event network. **2020**, 14, 2
- 52 Latent Space Generative Model for Bipartite Networks. **2020**, 3-16
- 51 . **2020**, 0
- 50 Stochastic Blockmodels Meets Overlapping Community Detection. **2020**, 149-159
- 49 Social Capital and Social Embeddedness. **2020**, 173-183
- 48 Modeling Network Dynamics. **2020**, 145-171
- 47 Measuring the effect of node aggregation on community detection. **2020**, 9, 2
- 46 Valid Two-Sample Graph Testing via Optimal Transport Procrustes and Multiscale Graph Correlation with Applications in Connectomics. e429 1
- 45 Multi-mode Network Analysis under Differential Privacy. **2021**, 2082, 012010
- 44 Inference for High-Dimensional Exchangeable Arrays. 1-33 2
- 43 Dynamics and Evolutional Patterns of Social Networks. 156-170

42	Mixed Membership Stochastic Blockmodels for Heterogeneous Networks. <b>2020</b> , 15,	2
41	A network Poisson model for weighted directed networks with covariates. 1-20	
40	Randomized Spectral Clustering in Large-Scale Stochastic Block Models. 1-52	2
39	Comparing the real-world performance of exponential-family random graph models and latent order logistic models for social network analysis.	1
38	A Bayesian Allocation Model Based Approach to Mixed Membership Stochastic Blockmodels. 1-23	
37	Constructing Flexible, Identifiable and Interpretable Statistical Models for Binary Data.	0
36	Graph space: using both geometric and probabilistic structure to evaluate statistical graph models. <b>2021</b> , 10,	
35	Sparse and smooth: Improved guarantees for spectral clustering in the dynamic stochastic block model. <b>2022</b> , 16,	
34	Statistical Consistency for Change Point Detection and Community Estimation in Time-Evolving Dynamic Networks. <b>2022</b> , 8, 215-227	
33	Faster MCMC for Gaussian latent position network models. 1-26	
32	DERGMs: Degeneracy-restricted exponential family random graph models. 1-29	
31	SIMPLE: Statistical inference on membership profiles in large networks.	2
30	Bias-adjusted spectral clustering in multi-layer stochastic block models. 1-37	3
29	On sparse high-dimensional graphical model learning for dependent time series. <b>2022</b> , 197, 108539	1
28	Joint latent space models for network data with high-dimensional node variables.	2
27	Recent Integrations of Latent Variable Network Modeling With Psychometric Models.. <b>2021</b> , 12, 773289	0
26	Iterative estimation of mixed exponential random graph models with nodal random effects. <b>2021</b> , 9, 478-498	
25	Supernodes: a generalization of the rich-club. <b>2021</b> , 10,	

24	A Review of Latent Space Models for Social Networks. <b>2021</b> , 44, 171-200	3
23	Uniform estimation in stochastic block models is slow. <b>2022</b> , 16,	
22	Algebraic Statistics, Tables, and Networks: The Fienberg Advantage. <b>2022</b> , 33-49	0
21	Network classification-based structural analysis of real networks and their model-generated counterparts. 1-24	1
20	The interplay between ranking and communities in networks. <b>2022</b> , 12,	0
19	What factors drive state firearm law adoption? An application of exponential-family random graph models. <i>Social Science and Medicine</i> , <b>2022</b> , 305, 115103	5.1
18	Social Graph Restoration via Random Walk Sampling. <b>2022</b> ,	
17	Community detection and reciprocity in networks by jointly modelling pairs of edges. <b>2022</b> , 10,	1
16	Multilayer Network Science. <b>2022</b> ,	0
15	A Useful Criterion on Studying Consistent Estimation in Community Detection. <b>2022</b> , 24, 1098	2
14	Studying Asymmetric Structure in Directed Networks by Overlapping and Non-Overlapping Models. <b>2022</b> , 24, 1216	1
13	Kernel density estimation for undirected dyadic data. <b>2022</b> ,	0
12	Modeling of network structures. <b>2023</b> , 430-440	0
11	Mixed logit models and network formation. <b>2022</b> , 10,	0
10	Inference of hyperedges and overlapping communities in hypergraphs. <b>2022</b> , 13,	0
9	Longitudinal Network Models and Permutation-Uniform Markov Chains.	0
8	Anomaly detection and community detection in networks. <b>2022</b> , 9,	0
7	Persistent homology classification algorithm. 9, e1195	0



6	Clustering spatial networks through latent mixture models.	0
5	Human Connectomes are Heritable.	0
4	Distribution-free model for community detection. <b>2023</b> , 2023,	1
3	Network Inference Using the Hub Model and Variants. 1-10	0
2	Consistency between ordering and clustering methods for graphs. <b>2023</b> , 5,	0
1	Graph model selection by edge probability prequential inference. <b>2023</b> , 11,	0