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Information-theoretic sensitivity analysis: a general method for credit assignment in complex networks

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#	Paper	IF	Citations
94	Analysis of a budding yeast cell cycle model using the shapes of local sensitivity functions. <i>International Journal of Chemical Kinetics</i> , 2008 , 40, 710-720	1.4	13
93	The markup is the model: reasoning about systems biology models in the Semantic Web era. <i>Journal of Theoretical Biology</i> , 2008 , 252, 538-43	2.3	23
92	A new strategy for assessing sensitivities in biochemical models. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008 , 366, 3619-31	3	34
91	Bayesian inference of the sites of perturbations in metabolic pathways via Markov chain Monte Carlo. <i>Bioinformatics</i> , 2008 , 24, 1191-7	7.2	20
90	Algorithmic systems biology. <i>Communications of the ACM</i> , 2009 , 52, 80-88	2.5	81
89	Iron behaving badly: inappropriate iron chelation as a major contributor to the aetiology of vascular and other progressive inflammatory and degenerative diseases. <i>BMC Medical Genomics</i> , 2009 , 2, 2	3.7	349
88	Differentiating information transfer and causal effect. <i>European Physical Journal B</i> , 2010 , 73, 605-615	1.2	145
87	Towards a unifying, systems biology understanding of large-scale cellular death and destruction caused by poorly liganded iron: Parkinson's, Huntington's, Alzheimer's, prions, bactericides, chemical toxicology and others as examples. <i>Archives of Toxicology</i> , 2010 , 84, 825-89	5.8	292
86	Neural correlations, decisions, and actions. <i>Current Opinion in Neurobiology</i> , 2010 , 20, 166-71	7.6	27
85	Propagation of kinetic uncertainties through a canonical topology of the TLR4 signaling network in different regions of biochemical reaction space. <i>Theoretical Biology and Medical Modelling</i> , 2010 , 7, 7	2.3	7
84	Information modification and particle collisions in distributed computation. <i>Chaos</i> , 2010 , 20, 037109	3.3	90
83	Exploring a minimal two-component p53 model. <i>Physical Biology</i> , 2010 , 7, 036008	3	9
82	Information theory based approaches to cellular signaling. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011 , 1810, 924-32	4	69
81	Idiosyncratic use of credit facilities by consumers in an emerging economy. <i>International Journal of Consumer Studies</i> , 2011 , 35, 359-371	5.7	9
80	Energetic loads and informational entropy during insect metamorphosis: measuring structural variability and self-organization. <i>Journal of Theoretical Biology</i> , 2011 , 286, 1-12	2.3	3
79	Design of a smart biomarker for bioremediation: a machine learning approach. <i>Computers in Biology and Medicine</i> , 2011 , 41, 357-60	7	3
78	Asymptotic Analysis for the Variance-Based Global Sensitivity Indices. <i>Science and Technology of Nuclear Installations</i> , 2012 , 2012, 1-8	0.6	2

77	Computational Method for Global Sensitivity Analysis of Reactor Neutronic Parameters. <i>Science and Technology of Nuclear Installations</i> , 2012 , 2012, 1-11	0.6	7
76	Approximate probabilistic analysis of biopathway dynamics. <i>Bioinformatics</i> , 2012 , 28, 1508-16	7.2	16
75	Modeling and analysis of biopathways dynamics. <i>Journal of Bioinformatics and Computational Biology</i> , 2012 , 10, 1231001	1	8
74	A novel test to determine the significance of neural selectivity to single and multiple potentially correlated stimulus features. <i>Journal of Neuroscience Methods</i> , 2012 , 210, 49-65	3	34
73	Sensitivity analysis of a hierarchical qualitative model for sustainability assessment of cropping systems. <i>Environmental Modelling and Software</i> , 2012 , 27-28, 15-22	5.2	24
72	Multiple pathways network description of motor neurons in locusts: An information sensitivity analysis. 2013 ,		
71	Towards a synergy-based approach to measuring information modification. 2013 ,		21
70	Robustness and compensation of information transmission of signaling pathways. <i>Science</i> , 2013 , 341, 558-61	33.3	101
69	Parametric sensitivity analysis for biochemical reaction networks based on pathwise information theory. <i>BMC Bioinformatics</i> , 2013 , 14, 311	3.6	16
68	On Thermodynamic Interpretation of Transfer Entropy. <i>Entropy</i> , 2013 , 15, 524-543	2.8	63
67	Design of an expert system for mitigating trace element toxicity in cancer risk management. <i>Cancer Informatics</i> , 2013 , 12, 21-9	2.4	
66	A relative entropy rate method for path space sensitivity analysis of stationary complex stochastic dynamics. <i>Journal of Chemical Physics</i> , 2013 , 138, 054115	3.9	34
65	Assessing cytokines' talking patterns following experimental myocardial damage by applying Shannon's information theory. <i>Journal of Theoretical Biology</i> , 2014 , 343, 25-31	2.3	5
64	Computational modeling of sphingolipid metabolism. <i>BMC Systems Biology</i> , 2015 , 9, 47	3.5	11
63	Improvement of the k-nn Entropy Estimator with Applications in Systems Biology. <i>Entropy</i> , 2016 , 18, 13	2.8	5
62	Spectral Entropies as Information-Theoretic Tools for Complex Network Comparison. <i>Physical Review X</i> , 2016 , 6,	9.1	39
61	Diversity maintenance mechanism changes with vegetation type and the community size in a tropical nature reserve. <i>Ecosphere</i> , 2016 , 7, e01526	3.1	2
60	A cross-entropy method and probabilistic sensitivity analysis framework for calibrating microscopic traffic models. <i>Transportation Research Part C: Emerging Technologies</i> , 2016 , 63, 147-169	8.4	30

59	Information theory in systems biology. Part II: protein-protein interaction and signaling networks. <i>Seminars in Cell and Developmental Biology</i> , 2016 , 51, 14-23	7.5	22
58	Epidemics in networks: a master equation approach. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016 , 49, 065001	2	3
57	The evaluation of environmental capacity: Evidence in Hunan province of China. <i>Ecological Indicators</i> , 2016 , 60, 514-523	5.8	20
56	Scalable information inequalities for uncertainty quantification. <i>Journal of Computational Physics</i> , 2017 , 336, 513-545	4.1	11
55	A satellite-based model for estimating PM2.5 concentration in a sparsely populated environment using soft computing techniques. <i>Environmental Modelling and Software</i> , 2017 , 88, 84-92	5.2	34
54	Spectral response characteristics and identification of typical plant species in Ebinur lake wetland national nature reserve (ELWNNR) under a water and salinity gradient. <i>Ecological Indicators</i> , 2017 , 81, 222-234	5.8	8
53	Entropy-based sensitivity analysis of global seismic demand of concrete structures. <i>Engineering Structures</i> , 2017 , 146, 118-126	4.7	9
52	A Fuzzy-Based Evaluation of Financial Risks in Build-Down-Operate-Transfer Water Supply Projects. <i>Journal of Infrastructure Systems</i> , 2017 , 23, 04017033	2.9	12
51	Graph Model for Probabilistic Resilience and Recovery Planning of Multi-Infrastructure Systems. <i>Journal of Infrastructure Systems</i> , 2017 , 23, 04016039	2.9	20
50	Accessibility of Water-Related Cultural Ecosystem Services through Public Transport: A Model for Planning Support in the Stockholm Region. <i>Sustainability</i> , 2017 , 9, 346	3.6	9
49	Use of Information Measures and Their Approximations to Detect Predictive Gene-Gene Interaction. <i>Entropy</i> , 2017 , 19, 23	2.8	5
48	Synergy and Redundancy in Dual Decompositions of Mutual Information Gain and Information Loss. <i>Entropy</i> , 2017 , 19, 71	2.8	14
47	Invariant Components of Synergy, Redundancy, and Unique Information among Three Variables. <i>Entropy</i> , 2017 , 19, 451	2.8	14
46	Driver fatigue detection through multiple entropy fusion analysis in an EEG-based system. <i>PLoS ONE</i> , 2017 , 12, e0188756	3.7	52
45	Stochastic Pharmacokinetic-Pharmacodynamic Modeling for Assessing the Systemic Health Risk of Perfluorooctanoate (PFOA). <i>Toxicological Sciences</i> , 2018 , 163, 293-306	4.4	25
44	Optimal information networks: Application for data-driven integrated health in populations. <i>Science Advances</i> , 2018 , 4, e1701088	14.3	54
43	Mathematical model identifies effective P53 accumulation with target gene binding affinity in DNA damage response for cell fate decision. <i>Cell Cycle</i> , 2018 , 17, 2716-2730	4.7	2
42	Government Cost of Extending Concession Term Rights. <i>Journal of Infrastructure Systems</i> , 2018 , 24, 04018011	1.9	2

41	Examining the Impacts of Urban Form on Air Pollution in Developing Countries: A Case Study of China's Megacities. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	45
40	Prioritizing Investments in Improving Flood Resilience and Reliability of Wastewater Treatment Infrastructure. <i>Journal of Infrastructure Systems</i> , 2018 , 24, 04018021	2.9	15
39	Influence of induced plant volatile and refuge in tritrophic model. <i>Energy, Ecology and Environment</i> , 2018 , 3, 171-184	3.5	3
38	Bayesian modeling of individual growth variability using back-calculation: Application to pink cusk-eel (<i>Genypterus blacodes</i>) off Chile. <i>Ecological Modelling</i> , 2018 , 385, 145-153	3	13
37	Uncertainty quantification, propagation and characterization by Bayesian analysis combined with global sensitivity analysis applied to dynamical intracellular pathway models. <i>Bioinformatics</i> , 2019 , 35, 284-292	7.2	12
36	Hybrid Group MCDM Model to Select the Most Effective Alternative of the Second Runway of the Airport. <i>Symmetry</i> , 2019 , 11, 792	2.7	12
35	Causality and Bayesian Network PDEs for multiscale representations of porous media. <i>Journal of Computational Physics</i> , 2019 , 394, 658-678	4.1	8
34	The effects of different land use patterns on the microclimate and ecosystem services in the agro-pastoral ecotone of Northern China. <i>Ecological Indicators</i> , 2019 , 106, 105522	5.8	11
33	Information-theoretic portfolio decision model for optimal flood management. <i>Environmental Modelling and Software</i> , 2019 , 119, 258-274	5.2	24
32	Food flows between counties in the United States. <i>Environmental Research Letters</i> , 2019 , 14, 084011	6.2	35
31	Optimal Microbiome Networks: Macroecology and Criticality. <i>Entropy</i> , 2019 , 21,	2.8	17
30	Mechanism study on the impacts of hydraulic alteration on fish habitat induced by spur dikes in a tidal reach. <i>Ecological Engineering</i> , 2019 , 134, 78-92	3.9	8
29	Examining lag time using the landscape, pedoscape and lithoscape metrics of catchments. <i>Ecological Indicators</i> , 2019 , 105, 36-46	5.8	10
28	Patterns of local species richness and their associations with functional traits in a 60-ha tropical forest dynamics plot. <i>Ecosphere</i> , 2019 , 10, e02617	3.1	3
27	Insurer Resilience in an Era of Climate Change and Extreme Weather: An Econometric Analysis. <i>Climate</i> , 2019 , 7, 55	3.1	3
26	A Statistical and Spatial Analysis of Portuguese Forest Fires in Summer 2016 Considering Landsat 8 and Sentinel 2A Data. <i>Environments - MDPI</i> , 2019 , 6, 36	3.2	29
25	Evaluation of sites for the reestablishment of the American chestnut (<i>Castanea dentata</i>) in northeast Georgia, USA. <i>Landscape Ecology</i> , 2019 , 34, 943-960	4.3	5
24	Design of an integrated climatic assessment indicator (ICAI) for wheat production: A case study in Jiangsu Province, China. <i>Ecological Indicators</i> , 2019 , 101, 943-953	5.8	21

23	Mapping topsoil electrical conductivity by a mixed geographically weighted regression kriging: A case study in the Heihe River Basin, northwest China. <i>Ecological Indicators</i> , 2019 , 102, 252-264	5.8	18
22	Use of the PVM Method Computed in Vector Space of Increments in Decision Aiding Related to Urban Development. <i>Symmetry</i> , 2019 , 11, 446	2.7	6
21	Quantifying Seismicity Parameter Uncertainties and Their Effects on Probabilistic Seismic Hazard Analysis: A Case Study of Iran. <i>Pure and Applied Geophysics</i> , 2019 , 176, 1487-1502	2.2	7
20	A credit risk model with an automatic override for innovative small and medium-sized enterprises. <i>Journal of the Operational Research Society</i> , 2019 , 70, 1784-1800	2	15
19	How secure are national energy systems: A dynamic assessment approach. <i>Ecological Indicators</i> , 2020 , 108, 105666	5.8	5
18	Spatio-temporal dynamic of soil quality in the central Iranian desert modeled with machine learning and digital soil assessment techniques. <i>Ecological Indicators</i> , 2020 , 118, 106736	5.8	17
17	Evaluating the Effectiveness of Strategies for Extirpating Corrupt Practices in Infrastructure Project Procurement. <i>Journal of Infrastructure Systems</i> , 2020 , 26, 04020004	2.9	6
16	Sensitivity Analysis of a Smooth Muscle Cell Electrophysiological Model. <i>Lecture Notes in Computer Science</i> , 2021 , 540-550	0.9	
15	Concepts and Applications of Information Theory to Immuno-Oncology. <i>Trends in Cancer</i> , 2021 , 7, 335-346	4.5	2
14	Tracing design flood hydrograph uncertainty in reservoir flood control system. <i>Applied Mathematical Modelling</i> , 2021 ,	4.5	
13	Mutual information for explainable deep learning of multiscale systems. <i>Journal of Computational Physics</i> , 2021 , 444, 110551	4.1	3
12	A Global Sensitivity Index for Biophysically Detailed Cardiac Cell Models: A Computational Approach. <i>Lecture Notes in Computer Science</i> , 2009 , 366-375	0.9	7
11	An optimal control approach for enhancing natural killer cells' secretion of cytolytic molecules. <i>APL Bioengineering</i> , 2020 , 4, 046107	6.6	2
10	SETTING PRIORITY LIST FOR CONSTRUCTION WORKS OF BICYCLE PATH SEGMENTS BASED ON ECKENRODE RATING AND ARAS-F DECISION SUPPORT METHOD INTEGRATED IN GIS. <i>Transport</i> , 2020 , 35, 179-192	1.4	9
9	Information Transfer. <i>Springer Theses</i> , 2013 , 79-115	0.1	
8	Information Modification. <i>Springer Theses</i> , 2013 , 117-140	0.1	
7	Use of social network analysis and global sensitivity and uncertainty analyses to better understand an influenza outbreak. <i>Oncotarget</i> , 2017 , 8, 43417-43426	3.3	
6	Uncertainty quantification, propagation and characterization by Bayesian analysis combined with global sensitivity analysis applied to dynamical intracellular pathway models.		0

- 5 An Optimal Control Approach for Enhancing Natural Killer Cells Secretion of Cytolytic Molecules.
- 4 Comprehensive approach for scour modelling using artificial intelligence. *Marine Georesources and Geotechnology*, 1-15 2.2
- 3 A robust and efficient EEG-based drowsiness detection system using different machine learning algorithms. **2022**, 101895 ○
- 2 Using Mutual Information for Global Sensitivity Analysis on Watershed Modeling. ○
- 1 A general framework for probabilistic sensitivity analysis with respect to distribution parameters. **2023**, 72, 103433 ○