

Michael D Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1215265/publications.pdf>

Version: 2024-02-01

134
papers

7,064
citations

101384

36
h-index

88477

70
g-index

140
all docs

140
docs citations

140
times ranked

6170
citing authors

#	ARTICLE	IF	CITATIONS
1	Always look on the bright side of logic? Testing explanations of intuitive sensitivity to logic in perceptual tasks.. Journal of Experimental Psychology: Learning Memory and Cognition, 2022, 48, 1598-1617.	0.7	1
2	Framing effects and preference reversals in crowd-sourced ranked opinions.. Decision, 2022, 9, 153-171.	0.4	1
3	Adaptive design optimization for a Mnemonic Similarity Task. Journal of Mathematical Psychology, 2022, 108, 102665.	1.0	3
4	Modeling Strategy Switches in Multi-attribute Decision Making. Computational Brain & Behavior, 2021, 4, 148-163.	0.9	7
5	Modeling Optimal Stopping in Changing Environments: a Case Study in Mate Selection. Computational Brain & Behavior, 2021, 4, 1-17.	0.9	5
6	A model-based analysis of the impairment of semantic memory. Psychonomic Bulletin and Review, 2021, 28, 1484-1494.	1.4	5
7	Using the weighted Kendall Distance to analyze rank data in psychology. The Quantitative Methods for Psychology, 2021, 17, 154-165.	0.6	0
8	Model-Based Wisdom of the Crowd for Sequential Decision-Making Tasks. Cognitive Science, 2021, 45, e13011.	0.8	3
9	A Bayesian method for measuring risk propensity in the Balloon Analogue Risk Task. Behavior Research Methods, 2021, , 1.	2.3	3
10	A Model-Based Examination of Scale Effects in Student Evaluations of Teaching. AERA Open, 2021, 7, 233285842110400.	1.3	1
11	Bayesian Inference for Multidimensional Scaling Representations with Psychologically Interpretable Metrics. Computational Brain & Behavior, 2020, 3, 322-340.	0.9	3
12	Pupil Dilation during Reward Anticipation Is Correlated to Depressive Symptom Load in Patients with Major Depressive Disorder. Brain Sciences, 2020, 10, 906.	1.1	14
13	An application of multinomial processing tree models and Bayesian methods to understanding memory impairment. Journal of Mathematical Psychology, 2020, 95, 102328.	1.0	10
14	Discussion points for Bayesian inference. Nature Human Behaviour, 2020, 4, 561-563.	6.2	31
15	The Principle of Predictive Irrelevance or Why Intervals Should Not be Used for Model Comparison Featuring a Point Null Hypothesis. , 2020, , 111-129.		5
16	A simple and flexible Bayesian method for inferring step changes in cognition. Behavior Research Methods, 2019, 51, 948-960.	2.3	6
17	Robust Diversity in Cognitive Science. Computational Brain & Behavior, 2019, 2, 271-276.	0.9	2
18	Detecting Strategies in Developmental Psychology. Computational Brain & Behavior, 2019, 2, 128-140.	0.9	10

#	ARTICLE	IF	CITATIONS
19	Robust Modeling in Cognitive Science. <i>Computational Brain & Behavior</i> , 2019, 2, 141-153.	0.9	58
20	A Model for Understanding Recognition Validity. <i>Computational Brain & Behavior</i> , 2019, 2, 49-63.	0.9	0
21	Bayesian methods applied to the generalized matching law. <i>Journal of the Experimental Analysis of Behavior</i> , 2019, 111, 252-273.	0.8	12
22	Violence in the Second Intifada: A Demonstration of Bayesian Generative Cognitive Modeling. <i>Advances in Econometrics</i> , 2019, , 65-90.	0.2	0
23	Understanding the complexity of simple decisions: Modeling multiple behaviors and switching strategies.. <i>Decision</i> , 2019, 6, 335-368.	0.4	12
24	Determining informative priors for cognitive models. <i>Psychonomic Bulletin and Review</i> , 2018, 25, 114-127.	1.4	63
25	Modeling when people quit: Bayesian censored geometric models with hierarchical and latent-mixture extensions. <i>Behavior Research Methods</i> , 2018, 50, 406-415.	2.3	7
26	Bayesian techniques for analyzing group differences in the Iowa Gambling Task: A case study of intuitive and deliberate decision-makers. <i>Psychonomic Bulletin and Review</i> , 2018, 25, 951-970.	1.4	15
27	A Model-Based Approach to the Wisdom of the Crowd in Category Learning. <i>Cognitive Science</i> , 2018, 42, 861-883.	0.8	6
28	The effect of goals and environments on human performance in optimal stopping problems.. <i>Decision</i> , 2018, 5, 339-361.	0.4	11
29	Testing take-the-best in new and changing environments. <i>Behavior Research Methods</i> , 2017, 49, 1420-1431.	2.3	5
30	Bayesian Inference for Correlations in the Presence of Measurement Error and Estimation Uncertainty. <i>Collabra: Psychology</i> , 2017, 3, .	0.9	25
31	Thurstonian cognitive models for aggregating top-n lists.. <i>Decision</i> , 2017, 4, 87-101.	0.4	9
32	New methods, measures, and models for analyzing memory impairment using triadic comparisons. <i>Behavior Research Methods</i> , 2016, 48, 1492-1507.	2.3	6
33	Bayesian Benefits for the Pragmatic Researcher. <i>Current Directions in Psychological Science</i> , 2016, 25, 169-176.	2.8	220
34	A Bayesian approach to modeling group and individual differences in multidimensional scaling. <i>Journal of Mathematical Psychology</i> , 2016, 70, 35-44.	1.0	14
35	The fallacy of placing confidence in confidence intervals. <i>Psychonomic Bulletin and Review</i> , 2016, 23, 103-123.	1.4	352
36	Bayesian outcome-based strategy classification. <i>Behavior Research Methods</i> , 2016, 48, 29-41.	2.3	26

#	ARTICLE	IF	CITATIONS
37	Unpacking the explorationâ€œexploitation tradeoff: A synthesis of human and animal literatures.. Decision, 2015, 2, 191-215.	0.4	216
38	Mathematical Psychology. , 2015, , 800-807.		0
39	A power fallacy. Behavior Research Methods, 2015, 47, 913-917.	2.3	61
40	A Cognitive Model for Aggregating People's Rankings. PLoS ONE, 2014, 9, e96431.	1.1	29
41	Time-varying boundaries for diffusion models of decision making and response time. Frontiers in Psychology, 2014, 5, 1364.	1.1	35
42	A Bayesian hierarchical mixture approach to individual differences: Case studies in selective attention and representation in category learning. Journal of Mathematical Psychology, 2014, 59, 132-150.	1.0	61
43	A Hierarchical Bayesian Modeling Approach to Searching and Stopping in Multiâ€œAttribute Judgment. Cognitive Science, 2014, 38, 1384-1405.	0.8	17
44	Modeling the adaptation of search termination in human decision making.. Decision, 2014, 1, 223-251.	0.4	22
45	Hierarchical Bayesian cognitive processing models to analyze clinical trial data. Alzheimer's and Dementia, 2013, 9, 422-428.	0.4	4
46	Correcting the SIMPLE model of free recall.. Psychological Review, 2013, 120, 293-296.	2.7	4
47	Relating Memory to Functional Performance in Normal Aging to Dementia Using Hierarchical Bayesian Cognitive Processing Models. Alzheimer Disease and Associated Disorders, 2013, 27, 16-22.	0.6	14
48	Quantum models of cognition as Orwellian newspeak. Behavioral and Brain Sciences, 2013, 36, 295-296.	0.4	3
49	The Bayesian evaluation of categorization models: Comment on Wills and Pothos (2012).. Psychological Bulletin, 2012, 138, 1253-1258.	5.5	7
50	A Bayesian Latent Group Analysis for Detecting Poor Effort in the Assessment of Malingering. Archives of Clinical Neuropsychology, 2012, 27, 453-465.	0.3	24
51	Inferring Expertise in Knowledge and Prediction Ranking Tasks. Topics in Cognitive Science, 2012, 4, 151-163.	1.1	27
52	Using priors to formalize theory: Optimal attention and the generalized context model. Psychonomic Bulletin and Review, 2012, 19, 1047-1056.	1.4	59
53	An Excel sheet for inferring childrenâ€™s number-knower levels from give-N data. Behavior Research Methods, 2012, 44, 57-66.	2.3	14
54	An assessment of email and spontaneous dialog visualizations. International Journal of Human Computer Studies, 2012, 70, 432-449.	3.7	6

#	ARTICLE	IF	CITATIONS
55	Sampling Assumptions in Inductive Generalization. <i>Cognitive Science</i> , 2012, 36, 187-223.	0.8	38
56	The Wisdom of the Crowd in Combinatorial Problems. <i>Cognitive Science</i> , 2012, 36, 452-470.	0.8	104
57	Statistical Evidence in Experimental Psychology. <i>Perspectives on Psychological Science</i> , 2011, 6, 291-298.	5.2	728
58	Hierarchical diffusion models for two-choice response times.. <i>Psychological Methods</i> , 2011, 16, 44-62.	2.7	224
59	A tutorial on Bayes factor estimation with the product space method. <i>Journal of Mathematical Psychology</i> , 2011, 55, 331-347.	1.0	79
60	Number-knower levels in young children: Insights from Bayesian modeling. <i>Cognition</i> , 2011, 120, 391-402.	1.1	52
61	The wisdom of the crowd playing The Price Is Right. <i>Memory and Cognition</i> , 2011, 39, 914-923.	0.9	39
62	Psychological models of human and optimal performance in bandit problems. <i>Cognitive Systems Research</i> , 2011, 12, 164-174.	1.9	58
63	The right tool for the job? Comparing an evidence accumulation and a naive strategy selection model of decision making. <i>Journal of Behavioral Decision Making</i> , 2011, 24, 456-481.	1.0	42
64	Understanding memory impairment with memory models and hierarchical Bayesian analysis. <i>Journal of Mathematical Psychology</i> , 2011, 55, 47-56.	1.0	14
65	How cognitive modeling can benefit from hierarchical Bayesian models. <i>Journal of Mathematical Psychology</i> , 2011, 55, 1-7.	1.0	269
66	In praise of Ecumenical Bayes. <i>Behavioral and Brain Sciences</i> , 2011, 34, 206-207.	0.4	6
67	Applying One Reason Decision-Making: The Prioritisation of Literature Searches. , 2011, , 736-745.		0
68	A Model of Knower's Level Behavior in Number Concept Development. <i>Cognitive Science</i> , 2010, 34, 51-67.	0.8	56
69	A model-averaging approach to replication: The case of prep.. <i>Psychological Methods</i> , 2010, 15, 172-181.	2.7	24
70	Bayesian inference using WBDDev: A tutorial for social scientists. <i>Behavior Research Methods</i> , 2010, 42, 884-897.	2.3	14
71	The random effects prep continues to mispredict the probability of replication. <i>Psychonomic Bulletin and Review</i> , 2010, 17, 270-272.	1.4	1
72	Finding the features that represent stimuli. <i>Acta Psychologica</i> , 2010, 133, 283-295.	0.7	18

#	ARTICLE	IF	CITATIONS
73	Introduction to the special issue on formal modeling of semantic concepts. <i>Acta Psychologica</i> , 2010, 133, 213-215.	0.7	3
74	Global similarity accounts of embedded-category designs: Tests of the Global Matching models. <i>Journal of Memory and Language</i> , 2010, 63, 131-148.	1.1	13
75	A general latent assignment approach for modeling psychological contaminants. <i>Journal of Mathematical Psychology</i> , 2010, 54, 352-362.	1.0	23
76	Optimal experimental design for a class of bandit problems. <i>Journal of Mathematical Psychology</i> , 2010, 54, 499-508.	1.0	13
77	Emergent and structured cognition in Bayesian models: comment on Griffiths et al. and McClelland et al.. <i>Trends in Cognitive Sciences</i> , 2010, 14, 345-346.	4.0	64
78	: An agony in five Fits. <i>Journal of Mathematical Psychology</i> , 2009, 53, 195-202.	1.0	11
79	A Bayesian analysis of human decision-making on bandit problems. <i>Journal of Mathematical Psychology</i> , 2009, 53, 168-179.	1.0	178
80	p rep misestimates the probability of replication. <i>Psychonomic Bulletin and Review</i> , 2009, 16, 424-429.	1.4	26
81	Levels of number knowledge during early childhood. <i>Journal of Experimental Child Psychology</i> , 2009, 103, 325-337.	0.7	124
82	Modeling Human Performance in Restless Bandits with Particle Filters. <i>Journal of Problem Solving</i> , 2009, 2, .	0.7	16
83	Bayesian analysis of recognition memory: The case of the list-length effect. <i>Journal of Memory and Language</i> , 2008, 59, 361-376.	1.1	62
84	Attention to internal face features in unfamiliar face matching. <i>British Journal of Psychology</i> , 2008, 99, 379-394.	1.2	18
85	Exemplars, Prototypes, Similarities, and Rules in Category Representation: An Example of Hierarchical Bayesian Analysis. <i>Cognitive Science</i> , 2008, 32, 1403-1424.	0.8	25
86	A Survey of Model Evaluation Approaches With a Tutorial on Hierarchical Bayesian Methods. <i>Cognitive Science</i> , 2008, 32, 1248-1284.	0.8	245
87	BayesSDT: Software for Bayesian inference with signal detection theory. <i>Behavior Research Methods</i> , 2008, 40, 450-456.	2.3	28
88	Three case studies in the Bayesian analysis of cognitive models. <i>Psychonomic Bulletin and Review</i> , 2008, 15, 1-15.	1.4	131
89	Bayesian Versus Frequentist Inference. , 2008, , 181-207.		100
90	Individual Differences in Optimization Problem Solving: Reconciling Conflicting Results. <i>Journal of Problem Solving</i> , 2008, 2, .	0.7	8

#	ARTICLE	IF	CITATIONS
91	An empirical evaluation of four data visualization techniques for displaying short news text similarities. <i>International Journal of Human Computer Studies</i> , 2007, 65, 931-944.	3.7	13
92	Domain experts influence decision quality: Towards a robust method for their identification. <i>Journal of Petroleum Science and Engineering</i> , 2007, 57, 181-194.	2.1	17
93	An Oil and Gas Decision-Making Taxonomy. , 2006, , .		8
94	Modeling individual differences using Dirichlet processes. <i>Journal of Mathematical Psychology</i> , 2006, 50, 101-122.	1.0	122
95	Model selection for the rate problem: A comparison of significance testing, Bayesian, and minimum description length statistical inference. <i>Journal of Mathematical Psychology</i> , 2006, 50, 193-202.	1.0	13
96	The aesthetic appeal of minimal structures: Judging the attractiveness of solutions to traveling salesperson problems. <i>Perception & Psychophysics</i> , 2006, 68, 32-42.	2.3	19
97	A Hierarchical Bayesian Model of Human Decision-Making on an Optimal Stopping Problem. <i>Cognitive Science</i> , 2006, 30, 1-26.	0.8	78
98	Decision Making and Confidence Given Uncertain Advice. <i>Cognitive Science</i> , 2006, 30, 1081-1095.	0.8	36
99	Are Individual Differences in Performance on Perceptual and Cognitive Optimization Problems Determined by General Intelligence?. <i>Journal of Problem Solving</i> , 2006, 1, .	0.7	22
100	Human Performance on Visually Presented Traveling Salesperson Problems with Varying Numbers of Nodes. <i>Journal of Problem Solving</i> , 2006, 1, .	0.7	67
101	Postscript: Bayesian Statistical Inference in Psychology: Comment on Trafimow (2003).. <i>Psychological Review</i> , 2005, 112, 668-668.	2.7	3
102	Bayesian statistical inference in psychology: Comment on Trafimow (2003).. <i>Psychological Review</i> , 2005, 112, 662-668.	2.7	105
103	Modeling individual differences in cognition. <i>Psychonomic Bulletin and Review</i> , 2005, 12, 605-621.	1.4	99
104	Choice of Models for the Analysis and Forecasting of Hospital Beds. <i>Health Care Management Science</i> , 2005, 8, 221-230.	1.5	44
105	Intelligence and individual differences in performance on three types of visually presented optimisation problems. <i>Personality and Individual Differences</i> , 2004, 36, 1059-1071.	1.6	25
106	Evidence accumulation in decision making: Unifying the "take the best" and the "rational" models. <i>Psychonomic Bulletin and Review</i> , 2004, 11, 343-352.	1.4	203
107	Common and distinctive features in stimulus similarity: A modified version of the contrast model. <i>Psychonomic Bulletin and Review</i> , 2004, 11, 961-974.	1.4	48
108	A Bayesian analysis of retention functions. <i>Journal of Mathematical Psychology</i> , 2004, 48, 310-321.	1.0	37

#	ARTICLE	IF	CITATIONS
109	Decisions and Uncertainty Management: Expertise Matters. , 2004, , .		4
110	The roles of the convex hull and the number of potential intersections in performance on visually presented traveling salesperson problems. Memory and Cognition, 2003, 31, 1094-1104.	0.9	44
111	Avoiding the dangers of averaging across subjects when using multidimensional scaling. Journal of Mathematical Psychology, 2003, 47, 32-46.	1.0	24
112	Visualizations of binary data: A comparative evaluation. International Journal of Human Computer Studies, 2003, 59, 569-602.	3.7	23
113	Sequential sampling models of human text classification. Cognitive Science, 2003, 27, 159-193.	0.8	18
114	The Perception of Minimal Structures: Performance on Open and Closed Versions of Visually Presented Euclidean Travelling Salesperson Problems. Perception, 2003, 32, 871-886.	0.5	29
115	Generating Additive Clustering Models with Minimal Stochastic Complexity. Journal of Classification, 2002, 19, 69-85.	1.2	15
116	R. Decker and W. Gaul, Eds., Classification and Information Processing at the Turn of the Millennium, Berlin: Springer-Verlag, 2000, 492 pp.. Journal of Classification, 2002, 19, 183-186.	1.2	0
117	A Simple Method for Generating Additive Clustering Models with Limited Complexity. Machine Learning, 2002, 49, 39-58.	3.4	13
118	Extending the ALCOVE model of category learning to featural stimulus domains. Psychonomic Bulletin and Review, 2002, 9, 43-58.	1.4	47
119	Applying one reason decision-making: the prioritisation of literature searches. Australian Journal of Psychology, 2002, 54, 137-143.	1.4	16
120	Extending Bayesian concept learning to deal with representational complexity and adaptation. Behavioral and Brain Sciences, 2001, 24, 685-686.	0.4	0
121	Human performance on visually presented Traveling Salesman problems. Psychological Research, 2001, 65, 34-45.	1.0	61
122	On the Complexity of Additive Clustering Models. Journal of Mathematical Psychology, 2001, 45, 131-148.	1.0	25
123	Determining the Dimensionality of Multidimensional Scaling Representations for Cognitive Modeling. Journal of Mathematical Psychology, 2001, 45, 149-166.	1.0	72
124	Fast Text Classification Using Sequential Sampling Processes. Lecture Notes in Computer Science, 2001, , 309-320.	1.0	1
125	The importance of the convex hull for human performance on the traveling salesman problem: A comment on MacGregor and Ormerod (1996). Perception & Psychophysics, 2000, 62, 226-228.	2.3	17
126	Title is missing!. Nonlinear Dynamics, Psychology, and Life Sciences, 2000, 4, 1-31.	0.2	30

#	ARTICLE	IF	CITATIONS
127	An Extraction and Regularization Approach to Additive Clustering. <i>Journal of Classification</i> , 1999, 16, 255-281.	1.2	10
128	Dynamic Models of Simple Judgments: I. Properties of a Self-Regulating Accumulator Module. <i>Nonlinear Dynamics, Psychology, and Life Sciences</i> , 1998, 2, 169-194.	0.2	57
129	Never cross the path of a traveling salesman: The neural network generation of Halstead-Reitan trail making tests. <i>Behavior Research Methods</i> , 1998, 30, 423-431.	1.3	5
130	Neural Feature Abstraction from Judgments of Similarity. <i>Neural Computation</i> , 1998, 10, 1815-1830.	1.3	6
131	Neural Network and Tree Search Algorithms for the Generation of Path-Following (Trail-Making) Tests. <i>Journal of Intelligent Systems</i> , 1997, 7, .	1.2	1
132	The Connectionist Construction of Psychological Spaces. <i>Connection Science</i> , 1997, 9, 323-352.	1.8	6
133	Towards a dynamic connectionist model of memory. <i>Behavioral and Brain Sciences</i> , 1997, 20, 40-41.	0.4	4
134	A Multinomial Processing Tree Model of the 2-back Working Memory Task. <i>Computational Brain & Behavior</i> , 0, , .	0.9	0