

# Wei-Yin Loh

## List of Publications by Year in descending order

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74  
papers

5,603  
citations

159585

30  
h-index

88630

70  
g-index

81  
all docs

81  
docs citations

81  
times ranked

5662  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variable Importance Scores. <i>Journal of Data Science</i> , 2021, , 569-592.	0.9	11
2	A Machine-Learning Classification Tree Model of Perceived Organizational Performance in U.S. Federal Government Health Agencies. <i>Sustainability</i> , 2021, 13, 10329.	3.2	3
3	Machine learning models of tobacco susceptibility and current use among adolescents from 97 countries in the Global Youth Tobacco Survey, 2013-2017. <i>PLOS Global Public Health</i> , 2021, 1, e0000060.	1.6	6
4	The GUIDE Approach to Subgroup Identification. <i>Emerging Topics in Statistics and Biostatistics</i> , 2020, , 147-165.	0.1	2
5	Subgroup identification for precision medicine: A comparative review of 13 methods. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2019, 9, e1326.	6.8	38
6	Predictors of adherence to nicotine replacement therapy: Machine learning evidence that perceived need predicts medication use. <i>Drug and Alcohol Dependence</i> , 2019, 205, 107668.	3.2	19
7	Subgroups from regression trees with adjustment for prognostic effects and postselection inference. <i>Statistics in Medicine</i> , 2019, 38, 545-557.	1.6	8
8	Implementing Clinical Research Using Factorial Designs: A Primer. <i>Behavior Therapy</i> , 2017, 48, 567-580.	2.4	70
9	Toward precision smoking cessation treatment I: Moderator results from a factorial experiment. <i>Drug and Alcohol Dependence</i> , 2017, 171, 59-65.	3.2	18
10	Comparative effectiveness of motivation phase intervention components for use with smokers unwilling to quit: a factorial screening experiment. <i>Addiction</i> , 2016, 111, 117-128.	3.3	55
11	Enhancing the effectiveness of smoking treatment research: conceptual bases and progress. <i>Addiction</i> , 2016, 111, 107-116.	3.3	44
12	Identifying effective intervention components for smoking cessation: a factorial screening experiment. <i>Addiction</i> , 2016, 111, 129-141.	3.3	73
13	Identification of subgroups with differential treatment effects for longitudinal and multiresponse variables. <i>Statistics in Medicine</i> , 2016, 35, 4837-4855.	1.6	26
14	Comparative effectiveness of intervention components for producing long-term abstinence from smoking: a factorial screening experiment. <i>Addiction</i> , 2016, 111, 142-155.	3.3	73
15	A regression tree approach to identifying subgroups with differential treatment effects. <i>Statistics in Medicine</i> , 2015, 34, 1818-1833.	1.6	127
16	Fifty Years of Classification and Regression Trees. <i>International Statistical Review</i> , 2014, 82, 329-348.	1.9	387
17	Smoking Cessation and the Risk of Diabetes Mellitus and Impaired Fasting Glucose: Three-Year Outcomes after a Quit Attempt. <i>PLoS ONE</i> , 2014, 9, e98278.	2.5	24
18	Reducing Bias and Uncertainty in Multi-evaluator Multicriterion Decision Making. <i>Journal of Computing in Civil Engineering</i> , 2013, 27, 167-176.	4.7	3

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19	Regression trees for longitudinal and multiresponse data. <i>Annals of Applied Statistics</i> , 2013, 7, .	1.1	43
20	Probing Portland Cement Concrete Pavement for Thickness Determination in Wisconsin. <i>Transportation Research Record</i> , 2013, 2347, 41-51.	1.9	0
21	Uncertainty Reduction in Multi-Evaluator Decision Making. <i>Journal of Computing in Civil Engineering</i> , 2012, 26, 105-112.	4.7	3
22	Should All Smokers Use Combination Smoking Cessation Pharmacotherapy? Using Novel Analytic Methods to Detect Differential Treatment Effects Over 8 Weeks of Pharmacotherapy. <i>Nicotine and Tobacco Research</i> , 2012, 14, 131-141.	2.6	32
23	Variable Selection for Classification and Regression in Large p, Small n Problems. <i>Lecture Notes in Statistics</i> , 2012, , 135-159.	0.2	10
24	Using Decision Tree Analysis to Identify Risk Factors for Relapse to Smoking. <i>Substance Use and Misuse</i> , 2011, 46, 492-510.	1.4	45
25	Wisconsin Method for Probing Portland Cement Concrete Pavement for Thickness. <i>Transportation Research Record</i> , 2011, 2228, 99-107.	1.9	4
26	Classification and regression trees. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2011, 1, 14-23.	6.8	1,363
27	Tobacco withdrawal components and their relations with cessation success. <i>Psychopharmacology</i> , 2011, 216, 569-578.	3.1	103
28	Tree-structured classifiers. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2010, 2, 364-369.	3.9	16
29	Gender, race, and education differences in abstinence rates among participants in two randomized smoking cessation trials. <i>Nicotine and Tobacco Research</i> , 2010, 12, 647-657.	2.6	181
30	A Hybrid Tree Approach to Modeling Alternate Route Choice Behavior With Online Information. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2010, 14, 209-219.	4.2	20
31	Quantifying SST errors from an OGCM in relation to atmospheric forcing variables. <i>Ocean Modelling</i> , 2009, 29, 43-57.	2.4	8
32	Improving the precision of classification trees. <i>Annals of Applied Statistics</i> , 2009, 3, .	1.1	109
33	Development of New Performance Measure for Winter Maintenance by Using Vehicle Speed Data. <i>Transportation Research Record</i> , 2008, 2055, 89-98.	1.9	8
34	Regression by Parts: Fitting Visually Interpretable Models with GUIDE. , 2008, , 447-469.		10
35	Extrapolation errors in linear model trees. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2007, 1, 6.	3.5	10
36	Visualizable and interpretable regression models with good prediction power. <i>IIE Transactions</i> , 2007, 39, 565-579.	2.1	31

#	ARTICLE	IF	CITATIONS
37	Bias and convergence rate of the coverage probability of prediction intervals in Box-Cox transformed linear models. <i>Journal of Statistical Planning and Inference</i> , 2006, 136, 3614-3624.	0.6	5
38	Logistic Regression Tree Analysis. , 2006, , 537-549.		11
39	Regression tree models for designed experiments. , 2006, , 210-228.		9
40	Decision Tree Approach to Classify and Quantify Cumulative Impact of Change Orders on Productivity. <i>Journal of Computing in Civil Engineering</i> , 2004, 18, 132-144.	4.7	36
41	LOTUS: An Algorithm for Building Accurate and Comprehensible Logistic Regression Trees. <i>Journal of Computational and Graphical Statistics</i> , 2004, 13, 826-852.	1.7	100
42	Classification Trees With Bivariate Linear Discriminant Node Models. <i>Journal of Computational and Graphical Statistics</i> , 2003, 12, 512-530.	1.7	72
43	A Framework for Measuring Differences in Data Characteristics. <i>Journal of Computer and System Sciences</i> , 2002, 64, 542-578.	1.2	35
44	Classification Trees With Unbiased Multiway Splits. <i>Journal of the American Statistical Association</i> , 2001, 96, 589-604.	3.1	294
45	Prediction interval estimation in transformed linear models. <i>Statistics and Probability Letters</i> , 2001, 51, 345-350.	0.7	9
46	Asymptotic theory for Box-Cox transformations in linear models. <i>Statistics and Probability Letters</i> , 2001, 51, 337-343.	0.7	11
47	Title is missing!. <i>Machine Learning</i> , 2000, 40, 203-228.	5.4	862
48	BOAT-optimistic decision tree construction. <i>SIGMOD Record</i> , 1999, 28, 169-180.	1.2	113
49	A comparison of tests of equality of variances. <i>Computational Statistics and Data Analysis</i> , 1996, 22, 287-301.	1.2	140
50	Bootstrapping binomial confidence intervals. <i>Journal of Statistical Planning and Inference</i> , 1995, 43, 355-380.	0.6	9
51	Consistent Variable Selection in Linear Models. <i>Journal of the American Statistical Association</i> , 1995, 90, 151-156.	3.1	49
52	Consistent Variable Selection in Linear Models. <i>Journal of the American Statistical Association</i> , 1995, 90, 151.	3.1	16
53	Tree-Structured Proportional Hazards Regression Modeling. <i>Biometrics</i> , 1994, 50, 471.	1.4	37
54	Bias and variance reduction in estimation of model dimension. <i>Proceedings of the American Mathematical Society</i> , 1994, 122, 1263-1263.	0.8	0

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55	Bounds on AREs of Tests Following Box-Cox Transformations. <i>Annals of Statistics</i> , 1992, 20, 1485.	2.6	15
56	Identification of active contrasts in unreplicated factorial experiments. <i>Computational Statistics and Data Analysis</i> , 1992, 14, 135-148.	1.2	23
57	Survival modeling through recursive stratification. <i>Computational Statistics and Data Analysis</i> , 1991, 12, 295-313.	1.2	16
58	Consistency of the bootstrap for the ransformed two-samplet-test. <i>Communications in Statistics - Theory and Methods</i> , 1991, 20, 997-1014.	1.0	0
59	Uniform robustness against nonnormality of the t and f tests. <i>Communications in Statistics - Theory and Methods</i> , 1990, 19, 3707-3723.	1.0	2
60	Tree-Structured Classification via Generalized Discriminant Analysis. <i>Journal of the American Statistical Association</i> , 1988, 83, 715-725.	3.1	252
61	Discussion: Theoretical Comparison of Bootstrap Confidence Intervals. <i>Annals of Statistics</i> , 1988, 16, 972.	2.6	8
62	Tree-Structured Classification Via Generalized Discriminant Analysis. <i>Journal of the American Statistical Association</i> , 1988, 83, 715.	3.1	58
63	Calibrating Confidence Coefficients. <i>Journal of the American Statistical Association</i> , 1987, 82, 155-162.	3.1	162
64	Some modifications of levene's test of variance homogeneity. <i>Journal of Statistical Computation and Simulation</i> , 1987, 28, 213-226.	1.2	31
65	Does the Correlation Coefficient Really Measure the Degree of Clustering around a Line?. <i>Journal of Educational Statistics</i> , 1987, 12, 235.	0.9	9
66	Better Bootstrap Confidence Intervals: Comment. <i>Journal of the American Statistical Association</i> , 1987, 82, 188.	3.1	5
67	Calibrating Confidence Coefficients. <i>Journal of the American Statistical Association</i> , 1987, 82, 155.	3.1	37
68	Improved Estimators for Ratios of Variance Components. <i>Journal of the American Statistical Association</i> , 1986, 81, 699-702.	3.1	11
69	Testing multivariate normality by simulation. <i>Journal of Statistical Computation and Simulation</i> , 1986, 26, 243-252.	1.2	3
70	Improved Estimators for Ratios of Variance Components. <i>Journal of the American Statistical Association</i> , 1986, 81, 699.	3.1	8
71	The cauchy mean value property for M-estimates. <i>Journal of Statistical Planning and Inference</i> , 1985, 12, 265-267.	0.6	0
72	A New Method for Testing Separate Families of Hypotheses. <i>Journal of the American Statistical Association</i> , 1985, 80, 362-368.	3.1	57

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73	A New Method for Testing Separate Families of Hypotheses. Journal of the American Statistical Association, 1985, 80, 362.	3.1	11
74	Strong unimodality and scale mixtures. Annals of the Institute of Statistical Mathematics, 1984, 36, 441-449.	0.8	4