

Hemant Ishwaran

List of Publications by Year in descending order

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93
papers

15,757
citations

41344
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46799
89
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95
all docs

95
docs citations

95
times ranked

22273
citing authors

#	ARTICLE	IF	CITATIONS
1	Commentary: To classify means to choose a threshold. Journal of Thoracic and Cardiovascular Surgery, 2023, 165, 1443-1445.	0.8	0
2	REPLY: THE STANDARDIZATION AND AUTOMATION OF MACHINE LEARNING FOR BIOMEDICAL DATA. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, e102-e103.	0.8	4
3	Boosting for Multivariate Longitudinal Responses. SN Computer Science, 2022, 3, 1.	3.6	6
4	Value of Lymphadenectomy in Patients Receiving Neoadjuvant Therapy for Esophageal Adenocarcinoma. Annals of Surgery, 2021, 274, e320-e327.	4.2	10
5	Commentary: The problem of class imbalance in biomedical data. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 1940-1941.	0.8	15
6	Discussion on “Nonparametric variable importance assessment using machine learning techniques” by Brian D. Williamson, Peter B. Gilbert, Marco Carone, and Noah Simon. Biometrics, 2021, 77, 23-27.	1.4	6
7	Unsupervised random forests. Statistical Analysis and Data Mining, 2021, 14, 144-167.	2.8	16
8	Random Survival Forests Analysis of Intraoperative Complications as Predictors of Descemet Stripping Automated Endothelial Keratoplasty Graft Failure in the Cornea Preservation Time Study. JAMA Ophthalmology, 2021, 139, 191.	2.5	11
9	Cure and death play a role in understanding dynamics for COVID-19: Data-driven competing risk compartmental models, with and without vaccination. PLoS ONE, 2021, 16, e0254397.	2.5	6
10	The CHA2DS2-VASc Score for Risk Stratification of Stroke in Heart Failure With-vs-Without Atrial Fibrillation. American Journal of Cardiology, 2021, 155, 72-77.	1.6	1
11	Tree Variable Selection for Paired Case–Control Studies with Application to Microbiome Data. Frontiers in Probability and the Statistical Sciences, 2021, , 295-310.	0.1	0
12	Heart Transplantation. JACC: Heart Failure, 2020, 8, 557-568.	4.1	49
13	Standard errors and confidence intervals for variable importance in random forest regression, classification, and survival. Statistics in Medicine, 2019, 38, 558-582.	1.6	160
14	Opposing Functions of Interferon Coordinate Adaptive and Innate Immune Responses to Cancer Immune Checkpoint Blockade. Cell, 2019, 178, 933-948.e14.	28.9	301
15	Precision Surgical Therapy for Adenocarcinoma of the Esophagus and Esophagogastric Junction. Journal of Thoracic Oncology, 2019, 14, 2164-2175.	1.1	19
16	Variables of importance in the Scientific Registry of Transplant Recipients database predictive of heart transplant waitlist mortality. American Journal of Transplantation, 2019, 19, 2067-2076.	4.7	37
17	A random forests quantile classifier for class imbalanced data. Pattern Recognition, 2019, 90, 232-249.	8.1	109
18	Biatlial maze procedure versus pulmonary vein isolation for atrial fibrillation during mitral valve surgery: New analytical approaches and end points. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 234-243.e9.	0.8	31

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19	Ensemble survival tree models to reveal pairwise interactions of variables with time-to-events outcomes in low-dimensional setting. Statistical Applications in Genetics and Molecular Biology, 2018, 17, .	0.6	2
20	Tumor Immunity and Survival as a Function of Alternative Neopeptides in Human Cancer. Cancer Immunology Research, 2018, 6, 276-287.	3.4	69
21	Probability of atrial fibrillation after ablation: Using a parametric nonlinear temporal decomposition mixed effects model. Statistical Methods in Medical Research, 2018, 27, 126-141.	1.5	28
22	Identification of predicted individual treatment effects in randomized clinical trials. Statistical Methods in Medical Research, 2018, 27, 142-157.	1.5	43
23	Estimating Individual Treatment Effect in Observational Data Using Random Forest Methods. Journal of Computational and Graphical Statistics, 2018, 27, 209-219.	1.7	102
24	A prediction-based alternative to P values in regression models. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 1130-1136.e4.	0.8	23
25	Esophageal Cancer. Annals of Surgery, 2017, 265, 122-129.	4.2	101
26	Sex Differences in Mortality Based on United Network for Organ Sharing Status While Awaiting Heart Transplantation. Circulation: Heart Failure, 2017, 10, .	3.9	44
27	Random forest missing data algorithms. Statistical Analysis and Data Mining, 2017, 10, 363-377.	2.8	375
28	Boosted multivariate trees for longitudinal data. Machine Learning, 2017, 106, 277-305.	5.4	18
29	Cancer of the Esophagus and Esophagogastric Junction: An Eighth Edition Staging Primer. Journal of Thoracic Oncology, 2017, 12, 36-42.	1.1	424
30	Recommendations for pathologic staging (pTNM) of cancer of the esophagus and esophagogastric junction for the 8th edition AJCC/UICC staging manuals. Ecological Management and Restoration, 2016, 29, 897-905.	0.4	179
31	Recommendations for neoadjuvant pathologic staging (ypTNM) of cancer of the esophagus and esophagogastric junction for the 8th edition AJCC/UICC staging manuals. Ecological Management and Restoration, 2016, 29, 906-912.	0.4	78
32	Recommendations for clinical staging (cTNM) of cancer of the esophagus and esophagogastric junction for the 8th edition AJCC/UICC staging manuals. Ecological Management and Restoration, 2016, 29, 913-919.	0.4	99
33	Tumor Interferon Signaling Regulates a Multigenic Resistance Program to Immune Checkpoint Blockade. Cell, 2016, 167, 1540-1554.e12.	28.9	830
34	Worldwide Esophageal Cancer Collaboration: clinical staging data. Ecological Management and Restoration, 2016, 29, 707-714.	0.4	108
35	Worldwide Esophageal Cancer Collaboration: neoadjuvant pathologic staging data. Ecological Management and Restoration, 2016, 29, 715-723.	0.4	66
36	Worldwide Esophageal Cancer Collaboration: pathologic staging data. Ecological Management and Restoration, 2016, 29, 724-733.	0.4	68

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37	Enhancing Multimedia Imbalanced Concept Detection Using VIMP in Random Forests. , 2016, 2016, 601-608.		7
38	Oesophageal cancer: location, location, location: Figure 1:. European Journal of Cardio-thoracic Surgery, 2015, 48, 194-195.	1.4	4
39	The effect of splitting on random forests. Machine Learning, 2015, 99, 75-118.	5.4	121
40	Radiation and dual checkpoint blockade activate non-redundant immune mechanisms in cancer. Nature, 2015, 520, 373-377.	27.8	1,955
41	Synthetic learning machines. BioData Mining, 2014, 7, 28.	4.0	24
42	Exosome Transfer from Stromal to Breast Cancer Cells Regulates Therapy Resistance Pathways. Cell, 2014, 159, 499-513.	28.9	659
43	Random survival forests for competing risks. Biostatistics, 2014, 15, 757-773.	1.5	176
44	Pathway hunting by random survival forests. Bioinformatics, 2013, 29, 99-105.	4.1	33
45	Random forests for genomic data analysis. Genomics, 2012, 99, 323-329.	2.9	635
46	Evaluating Random Forests for Survival Analysis Using Prediction Error Curves. Journal of Statistical Software, 2012, 50, 1-23.	3.7	515
47	Consistency of spike and slab regression. Statistics and Probability Letters, 2011, 81, 1920-1928.	0.7	17
48	Comments on: Nonparametric inference based onÂpanel count data. Test, 2011, 20, 48-53.	1.1	0
49	Random survival forests for highâdimensional data. Statistical Analysis and Data Mining, 2011, 4, 115-132.	2.8	135
50	Use of Hundreds of Electrocardiographic Biomarkers for Prediction of Mortality in Postmenopausal Women. Circulation: Cardiovascular Quality and Outcomes, 2011, 4, 521-532.	2.2	47
51	Identifying Important Risk Factors for Survival in Patient With Systolic Heart Failure Using Random Survival Forests. Circulation: Cardiovascular Quality and Outcomes, 2011, 4, 39-45.	2.2	122
52	Signalling pathway for RKIP and Let-7 regulates and predicts metastatic breast cancer. EMBO Journal, 2011, 30, 4500-4514.	7.8	175
53	Optimum Lymphadenectomy for Esophageal Cancer. Annals of Surgery, 2010, 251, 46-50.	4.2	385
54	MICA polymorphism identified by whole genome array associated with NKG2D-mediated cytotoxicity in T-cell large granular lymphocyte leukemia. Haematologica, 2010, 95, 1713-1721.	3.5	17

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55	Gene Signature Is Associated with Early Stage Rectal Cancer Recurrence. Journal of the American College of Surgeons, 2010, 211, 187-195.	0.5	15
56	Cancer of the esophagus and esophagogastric junction. Cancer, 2010, 116, 3763-3773.	4.1	401
57	Consistency of random survival forests. Statistics and Probability Letters, 2010, 80, 1056-1064.	0.7	160
58	An integrative pathway-based clinicalâ€“genomic model for cancer survival prediction. Statistics and Probability Letters, 2010, 80, 1313-1319.	0.7	20
59	High-Dimensional Variable Selection for Survival Data. Journal of the American Statistical Association, 2010, 105, 205-217.	3.1	329
60	A novel approach to cancer staging: application to esophageal cancer. Biostatistics, 2009, 10, 603-620.	1.5	74
61	Importance of Treadmill Exercise Time as an Initial Prognostic Screening Tool in Patients With Systolic Left Ventricular Dysfunction. Circulation, 2009, 119, 3189-3197.	1.6	50
62	Gene hunting with forests for multigroup time course data. Statistics and Probability Letters, 2009, 79, 1146-1154.	0.7	2
63	Clustering gene expression profile data by selective shrinkage. Statistics and Probability Letters, 2008, 78, 1490-1497.	0.7	4
64	An interferon-related gene signature for DNA damage resistance is a predictive marker for chemotherapy and radiation for breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18490-18495.	7.1	484
65	Random survival forests. Annals of Applied Statistics, 2008, 2, .	1.1	1,592
66	Lung metastasis genes couple breast tumor size and metastatic spread. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6740-6745.	7.1	331
67	Quantitative Measures of Electrocardiographic Left Ventricular Mass, Conduction, and Repolarization, and Long-Term Survival After Coronary Artery Bypass Grafting. Circulation, 2007, 116, 888-893.	1.6	14
68	Variable importance in binary regression trees and forests. Electronic Journal of Statistics, 2007, 1, .	0.7	288
69	External Prognostic Validations and Comparisons of Age- and Gender-Adjusted Exercise Capacity Predictions. Journal of the American College of Cardiology, 2007, 50, 1867-1875.	2.8	65
70	MICA Polymorphism Identified by Whole Genome Array Constitutes a Disease Predisposition Factor in T-Cell Large Granular Lymphocyte Leukemia.. Blood, 2007, 110, 3304-3304.	1.4	0
71	BAMarraytrade mark: Java software for Bayesian analysis of variance for microarray data. BMC Bioinformatics, 2006, 7, 59.	2.6	29
72	CART variance stabilization and regularization for high-throughput genomic data. Bioinformatics, 2006, 22, 2254-2261.	4.1	11

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73	Spike and slab variable selection: Frequentist and Bayesian strategies. <i>Annals of Statistics</i> , 2005, 33, 730.	2.6	615
74	Spike and Slab Gene Selection for Multigroup Microarray Data. <i>Journal of the American Statistical Association</i> , 2005, 100, 764-780.	3.1	77
75	Health-related quality of life after coronary artery bypass grafting: A gender analysis using the Duke Activity Status Index. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2004, 128, 284-295.	0.8	65
76	Relative Risk Forests for Exercise Heart Rate Recovery as a Predictor of Mortality. <i>Journal of the American Statistical Association</i> , 2004, 99, 591-600.	3.1	38
77	Computational Methods for Multiplicative Intensity Models Using Weighted Gamma Processes. <i>Journal of the American Statistical Association</i> , 2004, 99, 175-190.	3.1	73
78	Coronary Risk Prediction by Logical Analysis of Data. <i>Annals of Operations Research</i> , 2003, 119, 15-42.	4.1	62
79	Detecting Differentially Expressed Genes in Microarrays Using Bayesian Model Selection. <i>Journal of the American Statistical Association</i> , 2003, 98, 438-455.	3.1	136
80	Use of the Logical Analysis of Data Method for Assessing Long-Term Mortality Risk After Exercise Electrocardiography. <i>Circulation</i> , 2002, 106, 685-690.	1.6	42
81	Independent and Identically Distributed Monte Carlo Algorithms for Semiparametric Linear Mixed Models. <i>Journal of the American Statistical Association</i> , 2002, 97, 1154-1166.	3.1	31
82	Approximate Dirichlet Process Computing in Finite Normal Mixtures. <i>Journal of Computational and Graphical Statistics</i> , 2002, 11, 508-532.	1.7	132
83	Staging of Neuroblastoma at Imaging: Report of the Radiology Diagnostic Oncology Group. <i>Radiology</i> , 2002, 223, 168-175.	7.3	98
84	Exact and approximate sum representations for the Dirichlet process. <i>Canadian Journal of Statistics</i> , 2002, 30, 269-283.	0.9	166
85	Gibbs Sampling Methods for Stick-Breaking Priors. <i>Journal of the American Statistical Association</i> , 2001, 96, 161-173.	3.1	1,076
86	Bayesian Model Selection in Finite Mixtures by Marginal Density Decompositions. <i>Journal of the American Statistical Association</i> , 2001, 96, 1316-1332.	3.1	65
87	Univariate and multivariate ordinal cumulative link regression with covariate specific cutpoints. <i>Canadian Journal of Statistics</i> , 2000, 28, 715-730.	0.9	24
88	A general class of hierarchical ordinal regression models with applications to correlated roc analysis. <i>Canadian Journal of Statistics</i> , 2000, 28, 731-750.	0.9	76
89	Markov chain Monte Carlo in approximate Dirichlet and beta two-parameter process hierarchical models. <i>Biometrika</i> , 2000, 87, 371-390.	2.4	215
90	Applications of Hybrid Monte Carlo to Bayesian Generalized Linear Models: Quasicomplete Separation and Neural Networks. <i>Journal of Computational and Graphical Statistics</i> , 1999, 8, 779-799.	1.7	19

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91	Information in semiparametric mixtures of exponential families. Annals of Statistics, 1999, 27, 159.	2.6	7
92	Applications of Hybrid Monte Carlo to Bayesian Generalized Linear Models: Quasicomplete Separation and Neural Networks. Journal of Computational and Graphical Statistics, 1999, 8, 779.	1.7	16
93	Comparison of CT and MR imaging in staging of neck metastases.. Radiology, 1998, 207, 123-130.	7.3	371