

# Hemant Ishwaran

## List of Publications by Year in descending order

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93  
papers

15,757  
citations

41258

49  
h-index

46693

89  
g-index

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.	0.4	0
2	REPLY: THE STANDARDIZATION AND AUTOMATION OF MACHINE LEARNING FOR BIOMEDICAL DATA. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, e102-e103.	0.4	4
3	Boosting for Multivariate Longitudinal Responses. SN Computer Science, 2022, 3, 1.	2.3	6
4	Value of Lymphadenectomy in Patients Receiving Neoadjuvant Therapy for Esophageal Adenocarcinoma. Annals of Surgery, 2021, 274, e320-e327.	2.1	10
5	Commentary: The problem of class imbalance in biomedical data. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 1940-1941.	0.4	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.	0.8	6
7	Unsupervised random forests. Statistical Analysis and Data Mining, 2021, 14, 144-167.	1.4	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.	1.4	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.	1.1	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.	0.7	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.	1.9	49
13	Standard errors and confidence intervals for variable importance in random forest regression, classification, and survival. Statistics in Medicine, 2019, 38, 558-582.	0.8	160
14	Opposing Functions of Interferon Coordinate Adaptive and Innate Immune Responses to Cancer Immune Checkpoint Blockade. Cell, 2019, 178, 933-948.e14.	13.5	301
15	Precision Surgical Therapy for Adenocarcinoma of the Esophagus and Esophagogastric Junction. Journal of Thoracic Oncology, 2019, 14, 2164-2175.	0.5	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.	2.6	37
17	A random forests quantile classifier for class imbalanced data. Pattern Recognition, 2019, 90, 232-249.	5.1	109
18	Batrial 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.	0.4	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. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2018, 17, .	0.2	2
20	Tumor Immunity and Survival as a Function of Alternative Neopeptides in Human Cancer. <i>Cancer Immunology Research</i> , 2018, 6, 276-287.	1.6	69
21	Probability of atrial fibrillation after ablation: Using a parametric nonlinear temporal decomposition mixed effects model. <i>Statistical Methods in Medical Research</i> , 2018, 27, 126-141.	0.7	28
22	Identification of predicted individual treatment effects in randomized clinical trials. <i>Statistical Methods in Medical Research</i> , 2018, 27, 142-157.	0.7	43
23	Estimating Individual Treatment Effect in Observational Data Using Random Forest Methods. <i>Journal of Computational and Graphical Statistics</i> , 2018, 27, 209-219.	0.9	102
24	A prediction-based alternative to P values in regression models. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 1130-1136.e4.	0.4	23
25	Esophageal Cancer. <i>Annals of Surgery</i> , 2017, 265, 122-129.	2.1	101
26	Sex Differences in Mortality Based on United Network for Organ Sharing Status While Awaiting Heart Transplantation. <i>Circulation: Heart Failure</i> , 2017, 10, .	1.6	44
27	Random forest missing data algorithms. <i>Statistical Analysis and Data Mining</i> , 2017, 10, 363-377.	1.4	375
28	Boosted multivariate trees for longitudinal data. <i>Machine Learning</i> , 2017, 106, 277-305.	3.4	18
29	Cancer of the Esophagus and Esophagogastric Junction: An Eighth Edition Staging Primer. <i>Journal of Thoracic Oncology</i> , 2017, 12, 36-42.	0.5	424
30	Recommendations for pathologic staging (pTNM) of cancer of the esophagus and esophagogastric junction for the 8th edition AJCC/UICC staging manuals. <i>Ecological Management and Restoration</i> , 2016, 29, 897-905.	0.2	179
31	Recommendations for neoadjuvant pathologic staging (ypTNM) of cancer of the esophagus and esophagogastric junction for the 8th edition AJCC/UICC staging manuals. <i>Ecological Management and Restoration</i> , 2016, 29, 906-912.	0.2	78
32	Recommendations for clinical staging (cTNM) of cancer of the esophagus and esophagogastric junction for the 8th edition AJCC/UICC staging manuals. <i>Ecological Management and Restoration</i> , 2016, 29, 913-919.	0.2	99
33	Tumor Interferon Signaling Regulates a Multigenic Resistance Program to Immune Checkpoint Blockade. <i>Cell</i> , 2016, 167, 1540-1554.e12.	13.5	830
34	Worldwide Esophageal Cancer Collaboration: clinical staging data. <i>Ecological Management and Restoration</i> , 2016, 29, 707-714.	0.2	108
35	Worldwide Esophageal Cancer Collaboration: neoadjuvant pathologic staging data. <i>Ecological Management and Restoration</i> , 2016, 29, 715-723.	0.2	66
36	Worldwide Esophageal Cancer Collaboration: pathologic staging data. <i>Ecological Management and Restoration</i> , 2016, 29, 724-733.	0.2	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.	0.6	4
39	The effect of splitting on random forests. Machine Learning, 2015, 99, 75-118.	3.4	121
40	Radiation and dual checkpoint blockade activate non-redundant immune mechanisms in cancer. Nature, 2015, 520, 373-377.	13.7	1,955
41	Synthetic learning machines. BioData Mining, 2014, 7, 28.	2.2	24
42	Exosome Transfer from Stromal to Breast Cancer Cells Regulates Therapy Resistance Pathways. Cell, 2014, 159, 499-513.	13.5	659
43	Random survival forests for competing risks. Biostatistics, 2014, 15, 757-773.	0.9	176
44	Pathway hunting by random survival forests. Bioinformatics, 2013, 29, 99-105.	1.8	33
45	Random forests for genomic data analysis. Genomics, 2012, 99, 323-329.	1.3	635
46	Evaluating Random Forests for Survival Analysis Using Prediction Error Curves. Journal of Statistical Software, 2012, 50, 1-23.	1.8	515
47	Consistency of spike and slab regression. Statistics and Probability Letters, 2011, 81, 1920-1928.	0.4	17
48	Comments on: Nonparametric inference based on $\hat{\Lambda}$ panel count data. Test, 2011, 20, 48-53.	0.7	0
49	Random survival forests for high-dimensional data. Statistical Analysis and Data Mining, 2011, 4, 115-132.	1.4	135
50	Use of Hundreds of Electrocardiographic Biomarkers for Prediction of Mortality in Postmenopausal Women. Circulation: Cardiovascular Quality and Outcomes, 2011, 4, 521-532.	0.9	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.	0.9	122
52	Signalling pathway for RKIP and Let-7 regulates and predicts metastatic breast cancer. EMBO Journal, 2011, 30, 4500-4514.	3.5	175
53	Optimum Lymphadenectomy for Esophageal Cancer. Annals of Surgery, 2010, 251, 46-50.	2.1	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.	1.7	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.	0.2	15
56	Cancer of the esophagus and esophagogastric junction. Cancer, 2010, 116, 3763-3773.	2.0	401
57	Consistency of random survival forests. Statistics and Probability Letters, 2010, 80, 1056-1064.	0.4	160
58	An integrative pathway-based clinicalâ€“genomic model for cancer survival prediction. Statistics and Probability Letters, 2010, 80, 1313-1319.	0.4	20
59	High-Dimensional Variable Selection for Survival Data. Journal of the American Statistical Association, 2010, 105, 205-217.	1.8	329
60	A novel approach to cancer staging: application to esophageal cancer. Biostatistics, 2009, 10, 603-620.	0.9	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.	0.4	2
63	Clustering gene expression profile data by selective shrinkage. Statistics and Probability Letters, 2008, 78, 1490-1497.	0.4	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.	3.3	484
65	Random survival forests. Annals of Applied Statistics, 2008, 2, .	0.5	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.	3.3	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, .	0.4	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.	1.2	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.	0.6	0
71	BAMarraytrade mark: Java software for Bayesian analysis of variance for microarray data. BMC Bioinformatics, 2006, 7, 59.	1.2	29
72	CART variance stabilization and regularization for high-throughput genomic data. Bioinformatics, 2006, 22, 2254-2261.	1.8	11

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73	Spike and slab variable selection: Frequentist and Bayesian strategies. <i>Annals of Statistics</i> , 2005, 33, 730.	1.4	615
74	Spike and Slab Gene Selection for Multigroup Microarray Data. <i>Journal of the American Statistical Association</i> , 2005, 100, 764-780.	1.8	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.	0.4	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.	1.8	38
77	Computational Methods for Multiplicative Intensity Models Using Weighted Gamma Processes. <i>Journal of the American Statistical Association</i> , 2004, 99, 175-190.	1.8	73
78	Coronary Risk Prediction by Logical Analysis of Data. <i>Annals of Operations Research</i> , 2003, 119, 15-42.	2.6	62
79	Detecting Differentially Expressed Genes in Microarrays Using Bayesian Model Selection. <i>Journal of the American Statistical Association</i> , 2003, 98, 438-455.	1.8	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.	1.8	31
82	Approximate Dirichlet Process Computing in Finite Normal Mixtures. <i>Journal of Computational and Graphical Statistics</i> , 2002, 11, 508-532.	0.9	132
83	Staging of Neuroblastoma at Imaging: Report of the Radiology Diagnostic Oncology Group. <i>Radiology</i> , 2002, 223, 168-175.	3.6	98
84	Exact and approximate sum representations for the Dirichlet process. <i>Canadian Journal of Statistics</i> , 2002, 30, 269-283.	0.6	166
85	Gibbs Sampling Methods for Stick-Breaking Priors. <i>Journal of the American Statistical Association</i> , 2001, 96, 161-173.	1.8	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.	1.8	65
87	Univariate and multivariate ordinal cumulative link regression with covariate specific cutpoints. <i>Canadian Journal of Statistics</i> , 2000, 28, 715-730.	0.6	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.	0.6	76
89	Markov chain Monte Carlo in approximate Dirichlet and beta two-parameter process hierarchical models. <i>Biometrika</i> , 2000, 87, 371-390.	1.3	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.	0.9	19

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91	Information in semiparametric mixtures of exponential families. <i>Annals of Statistics</i> , 1999, 27, 159.	1.4	7
92	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.	0.9	16
93	Comparison of CT and MR imaging in staging of neck metastases.. <i>Radiology</i> , 1998, 207, 123-130.	3.6	371