Ilya Shpitser

List of Publications by Year
in descending order

42 papers	1,024 citations	759233 12 h-index
45 all docs	45 docs citations	45 times ranked

434195 31 g-index
1476 citing authors

#	Article	IF	Citations
1	Semiparametric Inference for Nonmonotone Missing-Not-at-Random Data: The No Self-Censoring Model. Journal of the American Statistical Association, 2022, 117, 1415-1423.	3.1	10
2	An Interventionist Approach to Mediation Analysis. , 2022, , 713-764.		8
3	Leveraging Machine Learning to Predict 30-Day Hospital Readmission After CardiacÂSurgery. Annals of Thoracic Surgery, 2022, 114, 2173-2179.	1.3	8
4	Comment on: â€œDecision-theoretic foundations for statistical causalityâ€. Journal of Causal Inference, 2022, 10, 190-196.	1.2	1
5	Discussion on â€œCausal mediation of semicompeting risksâ€by Yenâ€Tsung Huang. Biometrics, 2021, 77, 1165-1169.	1.4	3
6	Causal Inference From Observational Data: It Is Complicated*. Pediatric Critical Care Medicine, 2021, 22, 1093-1096.	0.5	9
7	Spatial Radiation Dose Influence on Xerostomia Recovery and Its Comparison to Acute Incidence in Patients With Head and Neck Cancer. Advances in Radiation Oncology, 2020, 5, 221-230.	1.2	17
8	Robust Inference on Population Indirect Causal Effects: The Generalized Front Door Criterion. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2020, 82, 199-214.	2.2	12
9	Examining the Causal Mediating Role of Brain Pathology on the Relationship Between Diabetes and Cognitive Impairment: The Cardiovascular Health Study. Journal of the Royal Statistical Society Series A: Statistics in Society, 2020, 183, 1705-1726.	1.1	4
10	Identification in Causal Models With Hidden Variables. Journal De La SFdS, 2020, 161, 91-119.	0.5	0
11	Identification and Estimation of Causal Effects Defined by Shift Interventions. Proceedings of Machine Learning Research, 2020, 124, 949-958.	0.3	0
12	Full Law Identification in Graphical Models of Missing Data: Completeness Results. Proceedings of Machine Learning Research, 2020, 119, 7153-7163.	0.3	2
13	Deriving Bounds and Inequality Constraints Using Logical Relations Among Counterfactuals. Proceedings of Machine Learning Research, 2020, 124, 1348-1357.	0.3	0
14	Dose/Volume histogram patterns in Salivary Gland subvolumes influence xerostomia injury and recovery. Scientific Reports, 2019, 9, 3616.	3.3	26
15	RTHP-43 (LTBK-02). MULTI-TIME POINT EVALUATION OF PERIPHERAL BLOOD MYELOID-DERIVED SUPPRESSOR CELL AND LYMPHOCYTE POPULATIONS IN PATIENTS WITH NEWLY DIAGNOSED GLIOBLASTOMA RECEIVING ADJUVANT THERAPY. Neuro-Oncology, 2019, 21, vi283-vi283.	1.2	0
16	Comment on â€œBlessings of Multiple Causesâ€. Journal of the American Statistical Association, 2019, 114, 1611-1615.	3.1	6
17	Radioâ€morphology: Parametric shapeâ€based features in radiotherapy. Medical Physics, 2019, 46, 704-713.	3.0	11
18	Machine Learning Methods Uncover Radiomorphologic Dose Patterns in Salivary Glands that Predict Xerostomia in Patients with Head and Neck Cancer. Advances in Radiation Oncology, 2019, 4, 401-412.	1.2	44

#	Article	IF	Citations
19	Intervening on Network Ties. Uncertainty in artificial intelligence : proceedings of the ... conference., 2019, 2019, .	0.9	1
20	Causal Inference Under Interference And Network Uncertainty. Uncertainty in artificial intelligence : proceedings of the ... conference., 2019, 2019, .	0.9	2
21	Learning Optimal Fair Policies. Proceedings of Machine Learning Research, 2019, 97, 4674-4682.	0.3	1
22	A Potential Outcomes Calculus for Identifying Conditional Path-Specific Effects. Proceedings of Machine Learning Research, 2019, 89, 3080-3088.	0.3	6
23	Identification In Missing Data Models Represented By Directed Acyclic Graphs. Uncertainty in artificial intelligence : proceedings of the ... conference., 2019, 2019, .	0.9	3
24	Using Big Data Analytics to Advance Precision Radiation Oncology. International Journal of Radiation Oncology Biology Physics, 2018, 101, 285-291.	0.8	25
25	Fair Inference on Outcomes. Proceedings of the AAAI Conference on Artificial Intelligence, 2018, 2018, 1931-1940.	4.9	3
26	Identification and Estimation Of Causal Effects from Dependent Data. Advances in Neural Information Processing Systems, 2018, 2018, 9446-9457.	2.8	5
27	Estimation of Personalized Effects Associated With Causal Pathways. Uncertainty in artificial intelligence : proceedings of the ... conference., 2018, 2018, .	0.9	2
28	Structure Learning Under Missing Data. Proceedings of Machine Learning Research, 2018, 72, 121-132.	0.3	1
29	Acyclic Linear SEMs Obey the Nested Markov Property. Uncertainty in artificial intelligence : proceedings of the ... conference., 2018, 2018, .	0.9	1
30	Identification of Personalized Effects Associated With Causal Pathways. Uncertainty in artificial intelligence : proceedings of the ... conference., 2018, 2018, .	0.9	4
31	Challenges of Using Text Classifiers for Causal Inference. , 2018, 2018, 4586-4598.		0
32	Quantifying an Adherence Path-Specific Effect of Antiretroviral Therapy in the Nigeria PEPFAR Program. Journal of the American Statistical Association, 2017, 112, 1443-1452.	3.1	16
33	Causal inference with a graphical hierarchy of interventions. Annals of Statistics, 2016, 44, 2433-2466.	2.6	30
34	Causal Graphs: Addressing the Confounding Problem Without Instruments or Ignorability. Statistical Science, 2014, 29, .	2.8	1
35	Counterfactual Graphical Models for Longitudinal Mediation Analysis With Unobserved Confounding. Cognitive Science, 2013, 37, 1011-1035.	1.7	63
36	On the definition of a confounder. Annals of Statistics, 2013, 41, 196-220.	2.6	173

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37	Semiparametric theory for causal mediation analysis: Efficiency bounds, multiple robustness and sensitivity analysis. Annals of Statistics, 2012, 40, 1816-1845.	2.6	176
38	A New Criterion for Confounder Selection. Biometrics, 2011, 67, 1406-1413.	1.4	276
39	A Complete Graphical Criterion for the Adjustment Formula in Mediation Analysis. International Journal of Biostatistics, 2011, 7, 1-24.	0.7	30
40	Detecting the Presence and Absence of Causal Relationships between Expression of Yeast Genes with Very Few Samples. Journal of Computational Biology, 2010, 17, 533-546.	1.6	8
41	Disease Models, Part I: Graphical Models. , 2010, , 335-369.		2
42	Detecting the Presence and Absence of Causal Relationships between Expression of Yeast Genes with Very Few Samples. Lecture Notes in Computer Science, 2009, , 466-481.	1.3	2