Abhineet Agarwal

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EDUCATION

	versity of California, Berkeley <i>J</i> , Statistics	2020 - Present
∘ Ad	lvisor: Prof. Bin Yu	
• Ref	ferences: Prof. Bin Yu, Prof. Giles Hooker, Prof. Anish Agarwal	
<i>B.A.</i>	u <mark>mbia University</mark> <i>Physics, Mathematics</i> vards: Magna Cum Laude, Phi Beta Kappa, Science Research Fellow, De	2015-2019 partmental Honors
	K Experience	
• Cita Quat		May 2024 - August 2024 New York
Rese	ons Foundation, Flatiron Institute arch Intern, Center for Computational Physics veloped and implemented numerical algorithms to study novel physics	May 2018 - May 2019 New York in superconductors.
Skil		
	gramming/ML Tools: Python, Git, Pytorch, Scikit-Learn, Hugging Face	
	earch Skills: Artificial Intelligence (AI), Machine Learning, Deep Learni erence, Active Learning, Recommender Systems (Rankings), Tabular Dee	8 1 2
Pubi	LICATIONS C=CON	IFERENCE, J=JOURNAL, S=IN SUBMISSIO
[S.1]	Abhineet Agarwal, Bin Yu (2024). Efficient Local Feature and Interaction At via Sparse Fourier Transforms In Preparation for ICML	tribution for Language Models
10 - 7	Abhineet Agarwal, Bin Yu (2024). Active Learning for Feature and Data Attribution. In Preparation for ICM	
[S.2]	Abhineet Agarwal, Bin Yu (2024). Active Learning for Feature and Data Atta	ribution. In Preparation for ICM
[S.2] [S.3]	Abhineet Agarwal, Bin Yu (2024). Active Learning for Feature and Data Atta Abhineet Agarwal (2024). Tree-former: Improving Tabular Deep-learning b Models with Transformers. In Preparation for ICML	•
[S .3]	Abhineet Agarwal (2024). Tree-former: Improving Tabular Deep-learning b	y Combining Tree-Based
[S.3] [C.1]	Abhineet Agarwal (2024). Tree-former: Improving Tabular Deep-learning b Models with Transformers . In Preparation for ICML Abhineet Agarwal, et al. (2024). Multi-Armed Bandits with Network Interf	by Combining Tree-Based erence. In NeurIPS, MIT CODE,
	Abhineet Agarwal (2024). Tree-former: Improving Tabular Deep-learning b Models with Transformers . In Preparation for ICML Abhineet Agarwal, et al. (2024). Multi-Armed Bandits with Network Interfe Stanford Graph Learning Workshop Liwen Sun, Abhineet Agarwal, et al. (2024). ED-Copilot: Reducing Emerger	by Combining Tree-Based erence. In NeurIPS, MIT CODE, ncy Department Wait Time with
[S.3] [C.1] [C.2] [J.1]	 Abhineet Agarwal (2024). Tree-former: Improving Tabular Deep-learning b Models with Transformers. In Preparation for ICML Abhineet Agarwal, et al. (2024). Multi-Armed Bandits with Network Interfer Stanford Graph Learning Workshop Liwen Sun, Abhineet Agarwal, et al. (2024). ED-Copilot: Reducing Emerger Language Model Diagnostic Assistance. In ICML Abhineet Agarwal, et al. (2024). Fast Interpretable Greedy Tree Sums (FIGS) 	by Combining Tree-Based erence. In NeurIPS, MIT CODE, ncy Department Wait Time with 6). Accepted to Proceedings of th ce Framework for Combinatoria
[S.3] [C.1] [C.2] [J.1] [C.3]	 Abhineet Agarwal (2024). Tree-former: Improving Tabular Deep-learning b Models with Transformers. In Preparation for ICML Abhineet Agarwal, et al. (2024). Multi-Armed Bandits with Network Interfer Stanford Graph Learning Workshop Liwen Sun, Abhineet Agarwal, et al. (2024). ED-Copilot: Reducing Emerger Language Model Diagnostic Assistance. In ICML Abhineet Agarwal, et al. (2024). Fast Interpretable Greedy Tree Sums (FIGS National Academy of Sciences (PNAS). Abhineet Agarwal, et al. (2023). Synthetic Combinations: A Causal Inference 	by Combining Tree-Based erence. In NeurIPS, MIT CODE, ncy Department Wait Time with 6). Accepted to Proceedings of th ce Framework for Combinatoria on in submission to Econometric eature Importance Framework.
[S.3] [C.1] [C.2] [J.1] [C.3] [S.4]	 Abhineet Agarwal (2024). Tree-former: Improving Tabular Deep-learning b Models with Transformers. In Preparation for ICML Abhineet Agarwal, et al. (2024). Multi-Armed Bandits with Network Interfect Stanford Graph Learning Workshop Liwen Sun, Abhineet Agarwal, et al. (2024). ED-Copilot: Reducing Emerger Language Model Diagnostic Assistance. In ICML Abhineet Agarwal, et al. (2024). Fast Interpretable Greedy Tree Sums (FIGS National Academy of Sciences (PNAS). Abhineet Agarwal, et al. (2023). Synthetic Combinations: A Causal Inferen Interventions. In NeurIPS, MIT CODE (<i>Oral Presentation</i>), extended version Abhineet Agarwal, et al. (2023). MDI+: A Random-Forest Based Flexible Fee 	by Combining Tree-Based erence. In NeurIPS, MIT CODE, ncy Department Wait Time with 6). Accepted to Proceedings of th ce Framework for Combinatoria on in submission to Econometric eature Importance Framework. ASA).
[S.3] [C.1] [C.2] [J.1] [C.3] [S.4] [C.4]	 Abhineet Agarwal (2024). Tree-former: Improving Tabular Deep-learning & Models with Transformers. In Preparation for ICML Abhineet Agarwal, et al. (2024). Multi-Armed Bandits with Network Interfestanford Graph Learning Workshop Liwen Sun, Abhineet Agarwal, et al. (2024). ED-Copilot: Reducing Emerger Language Model Diagnostic Assistance. In ICML Abhineet Agarwal, et al. (2024). Fast Interpretable Greedy Tree Sums (FIGS National Academy of Sciences (PNAS). Abhineet Agarwal, et al. (2023). Synthetic Combinations: A Causal Inferent Interventions. In NeurIPS, MIT CODE (<i>Oral Presentation</i>), extended version Abhineet Agarwal, et al. (2023). MDI+: A Random-Forest Based Flexible Fee Manuscript submitted to Journal of the American Statistical Association (Jacobineet Agarwal, et al. (2022). Hierarchical Shrinkage: Improving the Academy 	by Combining Tree-Based erence. In NeurIPS, MIT CODE, ncy Department Wait Time with 6). Accepted to Proceedings of th ce Framework for Combinatoria on in submission to Econometrica eature Importance Framework. ASA). curacy and Interpretability of
[S.3] [C.1] [C.2]	 Abhineet Agarwal (2024). Tree-former: Improving Tabular Deep-learning b Models with Transformers. In Preparation for ICML Abhineet Agarwal, et al. (2024). Multi-Armed Bandits with Network Interfect Stanford Graph Learning Workshop Liwen Sun, Abhineet Agarwal, et al. (2024). ED-Copilot: Reducing Emerger Language Model Diagnostic Assistance. In ICML Abhineet Agarwal, et al. (2024). Fast Interpretable Greedy Tree Sums (FIGS National Academy of Sciences (PNAS). Abhineet Agarwal, et al. (2023). Synthetic Combinations: A Causal Inferent Interventions. In NeurIPS, MIT CODE (<i>Oral Presentation</i>), extended version Abhineet Agarwal, et al. (2023). MDI+: A Random-Forest Based Flexible Feet Manuscript submitted to Journal of the American Statistical Association (JA Abhineet Agarwal, et al. (2022). Hierarchical Shrinkage: Improving the Accor Tree-Based Methods. In ICML (<i>Oral Presentation</i>) Tan Yan Shuo, Abhineet Agarwal, et al. (2022). A Cautionary Tale on Fitting 	by Combining Tree-Based erence. In NeurIPS, MIT CODE, ncy Department Wait Time with 6). Accepted to Proceedings of the ce Framework for Combinatorial on in submission to Econometrica eature Importance Framework. ASA). curacy and Interpretability of 5 Decision Trees to Additive

• Journals: Annals of Applied Statistics, Annals of Statistics, IEEE Transactions on Information Theory

• Teaching

University of California, Berkeley

• Graduate Student Instructor for Physics 8A/B