

Nikita Kozodoi

 ML/DL researcher with expertise in competitive ML and economic background

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	○ 🖸 n.kozodoi@icloud.com		os://linkedin.com/in/kozode	
	https://kozodoi.me (project portfolio & ML blog)	o 🖸 http	os://github.com/kozodoi	
	Experience			
04/2018 – preser	Data Science Research Associate, Monedo / Humboldt University, Berlin. o developing solutions to improve ML model training and evaluation under sampling bias			
		o implementing fair ML algorithms and investigating profit-fairness trade-off in credit scoring models		
		o optimizing data acquisition costs with multi-objective profit-driven feature selection		
07/2016 - 03/201		Research Assistant, Max Planck Institute for Human Development, Berlin.		
		 benchmarked managerial heuristics against ML algorithms in customer classification problems analyzed factors affecting the predictive performance on marketing data sets 		
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	Education			
04/2018 - preser	PhD in Information Systems, Machine Learning , <i>Humboldt University</i> , Berlin. Research on ML/DL applications for credit scoring. Teaching ML and supervising M.Sc. dissertations.			
10/2015 - 12/201	M.Sc. in Economics and Management Science, <i>Humboldt University</i> , Berlin, GPA: 1.30 (A). Focused on Machine Learning and Data Science. Double-degree program with HSE Moscow.			
09/2010 - 06/201	-	B.Sc. in Economics, Higher School of Economics, St. Petersburg, GPA: 1.31 (A).		
	Focused on Statistics, Time Series and Econometrics.	Γop-1 in the 4-year student grade	e rating.	
	Certificates			
11/202	SQL for Data Science, UC Davis. Learned SQL for data extraction and manipulation			
06/202	Deep Learning Nanodegree, Udacity. Implemented CNNs, RNNs and GANs in PyTorch [Certificate]			
05/202	20 Machine Learning Engineer Nanodegree, Udacity. De	eployed ML/DL models on AWS	Sagemeaker [Certificate]	
	■ Technical Stack			
Тоо	ols ■ Python, R, SQL (interm)	▲ AWS (Sagemaker, EC2), Ne	eptune.ai 👺 Git, Trello	
Package	□ Pandas, NumPy Scikit-learn, X PyTorch, TensorFlow (interm) Timm, Album	GBoost, LightGBM, Hyperopt entations	☐ Matplotlib, Seaborn ☐ HuggingFace	
	■ classification, regression, clustering, dimensionality re	eduction sentiment	analysis, text classification	
Application	image classification, object detection, image captioning			
	 Selected ML Competitions 			
08/202				
06/202				
,	·	Cassava Leaf Disease Classification, top-1%. Identified plant diseases with deep learning [GitHub]		
	Kaggle Master. Won 17 competition medals. Top-1% i	Kaggle Master. Won 17 competition medals. Top-1% in Competitions, Notebooks and Discussion [Profile]		
	Selected ML Publications			
06/202	Fairness in credit scoring: Assessment, implementation and profit implications			
European Journal of Operational Research [doi.org/10.1016/j.ejor.2021.06.023]]	
04/202	Shallow self-learning for reject inference in credit scoring European Conference on ML and PKDD [doi.org/10.1007/978-3-030-46133-1] [Slides]			
09/201	A multi-objective approach for profit-driven feature selection in credit scoring			
	Decision Support Systems [doi.org/10.1016/j.dss.2019.03.011]			
	■ Further Skills			
Language	es English (C2), German (C1), Russian (native speaker)			
Key skil	• Passionate about machine learning and data	• Excellent presentation skil	ls [My talks]	
rvey skii	Inspired by using ML to improve decision-making	 Scientific mindset and strong 	ong motivation to learn	