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SCIENTIFIC PAPERS

FEDERATED LEARNING IS BETTER WITH NON-HOMOMORPHIC ENCRYPTION	2023
https://burlachenkok.github.io/FL-Privacy-From-Compressor-Accepted-on-DML2023/ Accepted to presentation and proceedings to <i>4th ACM International Workshop on Distributed Machine Learning</i>	
ERROR FEEDBACK SHINES WHEN FEATURES ARE RARE	2023
https://arxiv.org/abs/2305.15264	
FEDERATED LEARNING WITH REGULARIZED CLIENT PARTICIPATION	2023
https://arxiv.org/abs/2302.03662 Accepted to <i>Federated Learning and Analytics in Practice. Workshop at ICML 2023.</i>	
SHARPER RATES AND FLEXIBLE FRAMEWORK FOR NONCONVEX SGD WITH CLIENT AND DATA SAMPLING	2022
Accepted to <i>Transactions on Machine Learning Research (TMLR)</i> . ArXiv copy : https://arxiv.org/abs/2206.02275	
FEDERATED OPTIMIZATION ALGORITHMS WITH RANDOM RESHUFFLING AND GRADIENT COMPRESSION	2022
https://arxiv.org/abs/2206.07021 Accepted to <i>Federated Learning and Analytics in Practice. Workshop at ICML 2023.</i>	
FASTER RATES FOR COMPRESSED FEDERATED LEARNING WITH CLIENT-VARIANCE REDUCTION	2021
https://arxiv.org/abs/2112.13097 Accepted to <i>SIAM Journal on Mathematics of Data Science (SIMODS)</i> .	
FL_PyTORCH : OPTIMIZATION RESEARCH SIMULATOR FOR FEDERATED LEARNING	2021
https://arxiv.org/abs/2202.03099 https://dl.acm.org/doi/abs/10.1145/3488659.3493775/ Accepted to presentation and proceedings to <i>2nd ACM International Workshop on Distributed Machine Learning</i>	
MARINA : FASTER NON-CONVEX DISTRIBUTED LEARNING WITH COMPRESSION	2021
https://arxiv.org/abs/2102.07845 https://proceedings.mlr.press/v139/gorbunov21a.html Accepted to presentation and proceedings to <i>Thirty-eighth International Conference on Machine Learning, ICML 2021</i>	
PERSONALIZED FEDERATED LEARNING WITH COMMUNICATION COMPRESSION	2021 – 2022
https://arxiv.org/abs/2209.05148	