

Reasoning about “privacy” in ML

Any useful machine learning model reveals something about the population from which the training data was sampled

Privacy leakage \neq Advancing new privacy training data



101
1101
01101
110101
110001
1001

Data Leakage



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Any useful machine learning model reveals something about the population from which the training data was sampled

Privacy leakage \neq Adv learns something new about training data



Reasoning about “privacy” in ML (2)