

Experimental Evaluation

Numerically computed privacy guarantees (privacy budget)

Test on two Generative NN Models:

1. Restricted Boltzmann Machines (RBM) [200 hidden neurons]

2. Variational Auto-Encoder (VAE) [200 hidden neurons, 20 latent space]

Evaluate quality of generated samples (digits) on MNIST

Use Case: Counting Queries on synthetic data

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Numerically compute privacy guarantees (privacy budget)

Test on two Generative NN Models:

1. Restricted Boltzmann Machines (RBM) [200 hidden neurons]
2. Variational Auto-Encoder (VAE) [200 hidden neurons, 2d latent space]

Evaluate quality of generated samples (digits) on MNIST

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Privacy guarantees

