

Bayesian Coresets: Revisiting the Nonconvex Optimization Perspective Anastasios Kyrillidis³ Oluwasanmi Koyejo¹ ²University of California at Berkeley ³Rice University

Experiments

Task: Bayesian Logistic Regression **Baselines:** Random, GIGA [1], and SparseVI [2]. **Datasets:**

- The *reduced phishing* dataset (Include SparseVI): dataset size n = 500; parameter dimension D = 10.
- The *original phishing* dataset (No SparseVI): dataset size n = 11055; parameter dimension D = 68. **Evaluation:** KL divergence between true posterior and coreset posterior.







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