

Research Report

Query: what do you mean by exact bayesian learning?
Generated: 2025-09-21 00:58:26

Executive Summary

■ DEEP RESEARCH RESULTS

===== Query: what do you mean by exact bayesian learning? Analysis Date: 2025-09-21 00:58:26 ■ EXECUTIVE SUMMARY ----- The research reveals several findings with moderate confidence: DETAILED ANALYSIS =====

1. What is the relationship between what in the context of the query? ----- Confidence: ■ 0.66

Answer: SGLD uses min i-batches to compute a noisy gradient of the log -likelihood, adds Gaussian noise, and slowly decays the step size. SGLD has been applied, for example, to Bayesian deep learning. Sources (5): [1] bayesian presentation iisc.pdf (n.d.). Retrieved from local database. Relevance score: 0.15 [2] bayesian presentation iisc.pdf (n.d.). Retrieved from local database. Relevance score: 0.15 [3] bayesian presentation iisc.pdf (n.d.). Retrieved from local database. Relevance score: 0.15 [4] bayesian presentation iisc.pdf (n.d.). Retrieved from local database. Relevance score: 0.15 [5] bayesian presentation iisc.pdf (n.d.). Retrieved from local database. Relevance score: 0.15 CONFIDENCE ASSESSMENT =====

Overall Confidence: Moderate (0.66) Assessment: Good evidence with some limitations Evidence Quality: • Total evidence pieces: 5 • Source diversity: 1 unique sources • Subtasks completed: 1 SOURCE VERIFICATION =====

Sources analyzed: 1 =====

Research completed by Deep Researcher Agent All sources are from local document collection

Detailed Analysis

1. What is the relationship between what in the context of the query?

Answer: SGLD uses min i-batches to compute a noisy gradient of the log -likelihood, adds Gaussian noise, and slowly decays the step size. SGLD has been applied, for example, to Bayesian deep learning.
Confidence: 0.66