

Research Report

Query: Can you explain the methodology in more detail?

Generated: 2025-09-21 01:02:57

Executive Summary

■ DEEP RESEARCH RESULTS

===== Query: Can you explain the methodology in more detail? Analysis Date: 2025-09-21 01:02:57 ■ EXECUTIVE SUMMARY ----- The research reveals several findings with moderate confidence: DETAILED ANALYSIS

===== 1. What is the relationship between explain in the context of the query? ----- Confidence: ■ 0.65
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: 0.14 [2] bayesian presentation iisc.pdf (n.d.). Retrieved from local database. Relevance score: 0.14 [3] bayesian presentation iisc.pdf (n.d.). Retrieved from local database. Relevance score: 0.14 [4] bayesian presentation iisc.pdf (n.d.). Retrieved from local database. Relevance score: 0.14 [5] bayesian presentation iisc.pdf (n.d.). Retrieved from local database. Relevance score: 0.14 CONFIDENCE ASSESSMENT

===== Overall Confidence: Moderate (0.65) 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 explain 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: 0.65