

BAYESIAN ANALYSIS

Trust in AI Healthcare Decisions

Dual Methodology with Sequential Updating

A comprehensive statistical investigation using Bayesian inference and uncertainty quantification

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METHODOLOGY

DATA COLLECTION

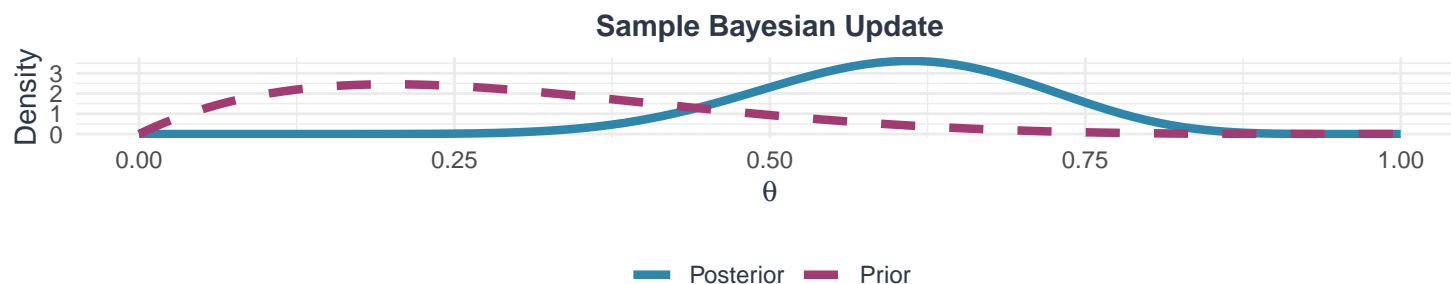
- . Healthcare AI Survey
- . Patient Trust Ratings
- . Multiple Scenarios

BAYESIAN INFERENCE

- . Beta-Binomial Model
- . Prior Size Testing
- . HPD Intervals

KEY FINDINGS

- . Sequential updating improves accuracy
- . Uncertainty quantification critical
- . Prior size significantly impacts inference
- . Interactive visualization reveals patterns



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