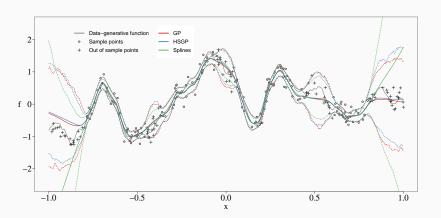
Learning Theory (Probabilistic Perspective)

ELLIS Unit Stuttgart: Kick-off Event

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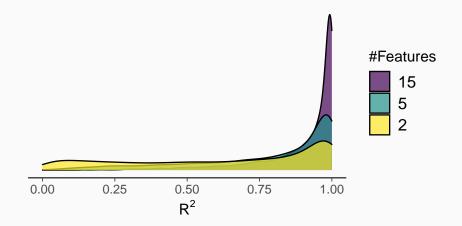
Inference in High-Dimensional Spaces

How can we bridge the gap between learning regimes?



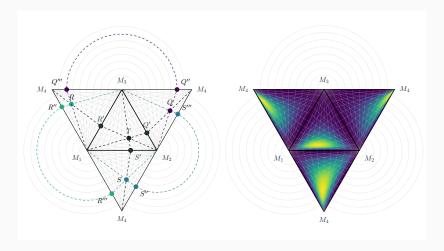
Global vs. Local Regularization

How global is local regularization in high-dimensional spaces?



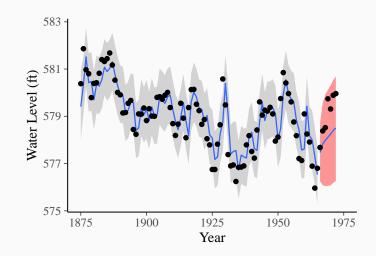
Uncertainty of Uncertainty (Meta-Uncertainty)

How can we combine Bayesian and frequentist uncertainties?



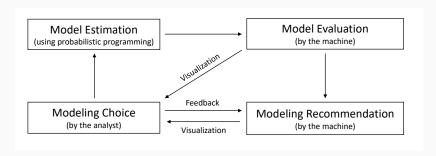
Efficient Cross-Validation

How can we reduce the computational burden of cross-validation?



Machine-Assisted Model Building

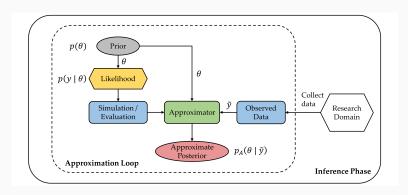
How can we help users in learning from data?



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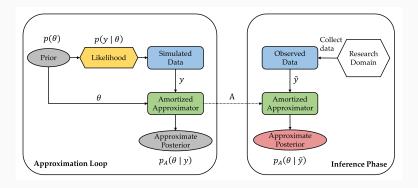
Non-Amortized (Standard) Inference

How can we break out of the standard inference setting?



Amortized Inference

How far can we scale amortized inference?



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