Learning Theory (Probabilistic Perspective)
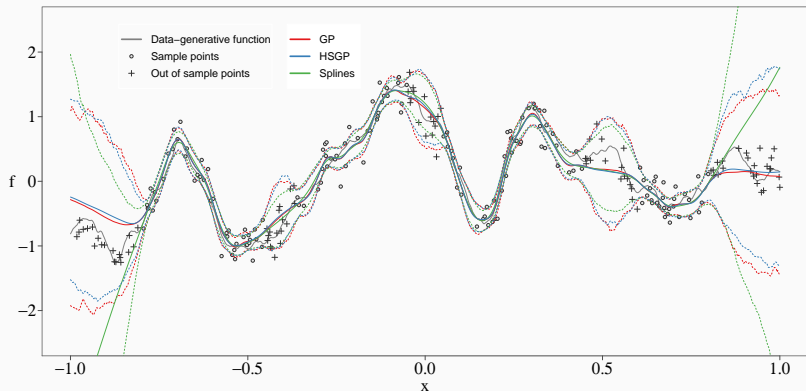
ELLIS Unit Stuttgart: Kick-off Event

Paul Bürkner
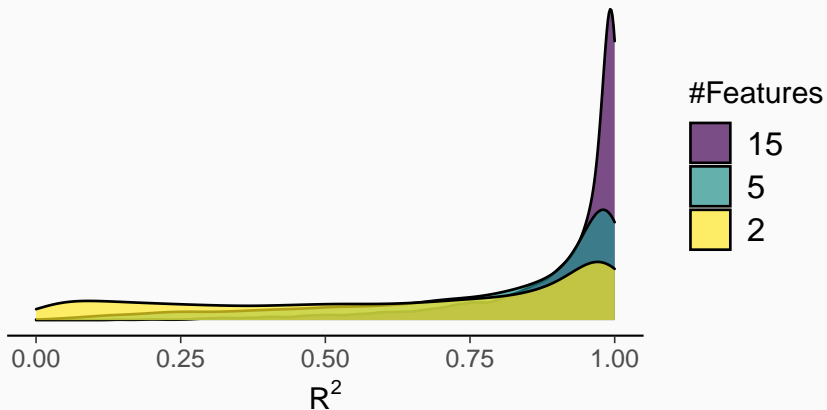
How can we bridge the gap between learning regimes?
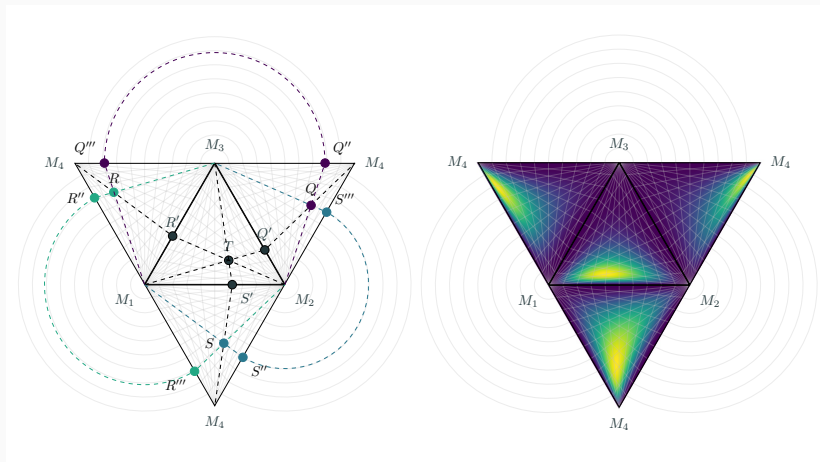
How global is local regularization in high-dimensional spaces?

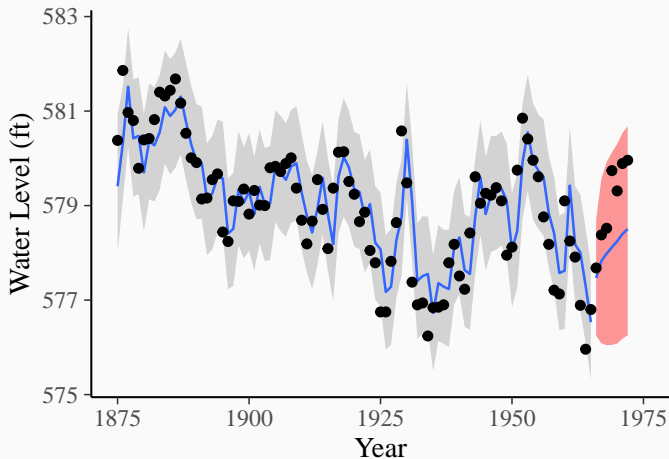## Uncertainty of Uncertainty (Meta-Uncertainty)

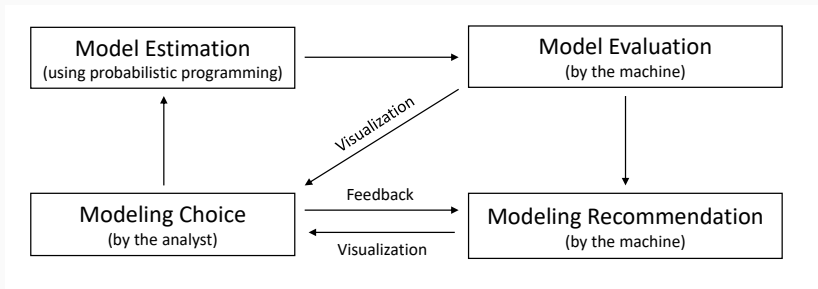How can we combine Bayesian and frequentist uncertainties?

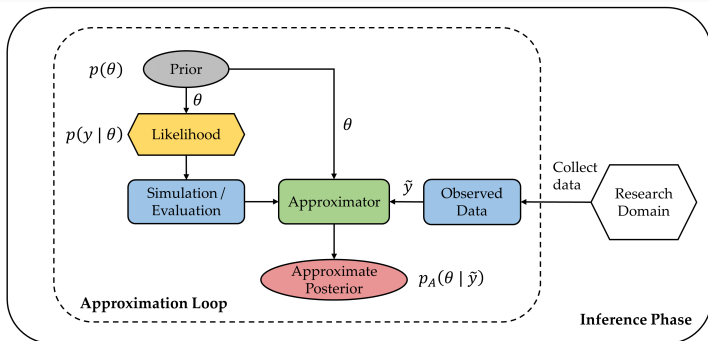How can we reduce the computational burden of cross-validation?

Machine-Assisted Model Building

How can we help users in learning from data?

How can we break out of the standard inference setting?

How far can we scale amortized inference?