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COMBINING EXPERT OPINIONS IN PRIOR ELICITATION

Judith Rousseau^{1*}

¹ Université Paris Dauphine, Paris, France

* `rousseau@ceremade.dauphine.fr`

We consider the problem of combining expert opinions in the process of eliciting a prior distribution using these expert opinions. The idea is to consider a hierarchical parametric modeling. Each expert has its own hyperparameter and the hyperparameters are linked using a parametric model constructed using extra knowledge on the experts and their opinions. Two examples are considered.