



**Bayes Risk Lower Bounds**

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- Framework used by Simchowitz, El Aloui, Recht '18 to obtain matrix-vector lower bounds for a related problem

- $\Theta$  be a parameter space and  $\{\mathcal{P}_\theta : \theta \in \Theta\}$  be a set of distributions

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- Bayes risk lower bounds show how much we can say about  $\theta$



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# Intuition about Bayes Risk