



PROBLEMS WITH MCMC

19

Converge exponentially fast within a model but exponentially slower between models

Often gets trapped in regions of high probability

► Can take a long time to converge and approximate π



sensitive to tuning hyper-parameters

► After convergence, samples are correlated

▶ training to effectively parallelise





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- ▶ **Problem:** MCMC kinda sucks...
 - ▶ Can take a long time to converge and approximate π
 - ▶ After convergence, samples are correlated
 - ▶ Sensitive to tuning hyper-parameters
 - ▶ Challenging to effectively parallelise
 - ▶ Often gets trapped in regions of high probability
 - ▶ Converge exponentially fast within a mode but exponentially slow between modes



NORMALISING CONSTANT