





(Metro)

unnormalized
density

Discussion

- Introduced Metro, a universal non-parametric knockoff sampler, requiring only the ability to evaluate X 's unnormalized density.

- Showed Metro is computationally efficient with graphical structure in many settings.

- Connected knockoff sampling and time-reversible Markov chains and provide a set of proposal distributions that work well empirically (*you could make great contribution as expert in computational statistics!*).

- Offered theoretical explanation on why knockoff sampling is not practically possible without some assumptions on the distribution and thus provided guidance on future research.

**Current
Knockoff
Factory**

**Old
Knockoff
Factory**



Gaussian



discrete
Markov chains

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