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Inference

# Sampling the Dirichlet Mixture Model with Slices

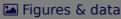
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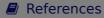
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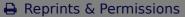








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### **Abstract**

We provide a new approach to the sampling of the well known mixture of Dirichlet process model. Recent attention has focused on retention of the random distribution function in the model, but sampling algorithms have then suffered from the countably infinite representation these distributions have. The key to the algorithm detailed in this article, which also keeps the random distribution functions, is the introduction of a a finite number, which is known

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