

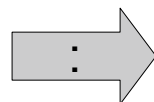
Correlated Nonparametric Latent Feature Models

Finale Doshi-Velez, Zoubin Ghahramani

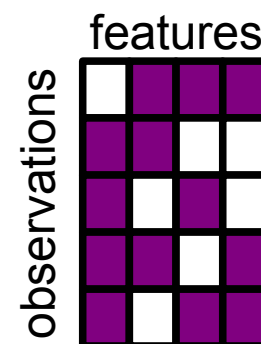
We want to identify hidden features in data in a Bayesian way.



computer
keyboard
mouse



The Indian Buffet Process is a nonparametric distribution for this.



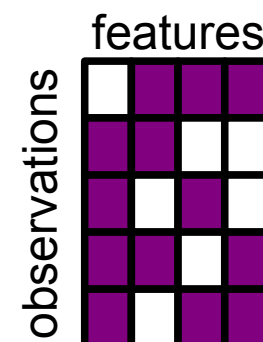
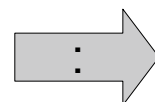
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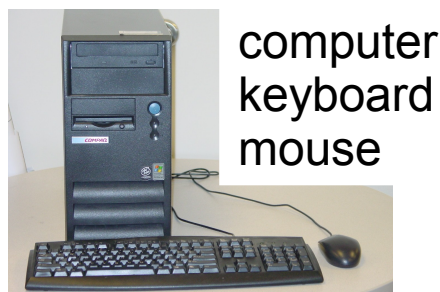
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But, often, these hidden features may be correlated.



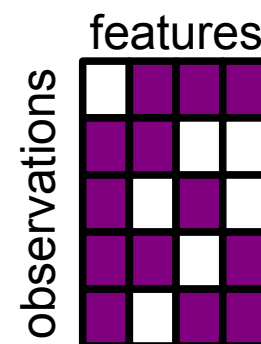
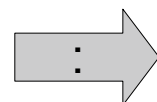
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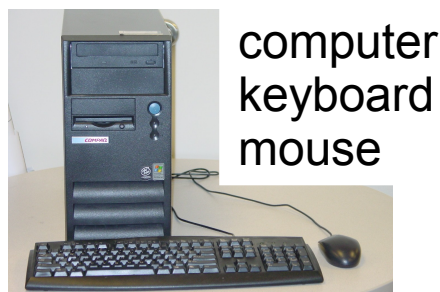
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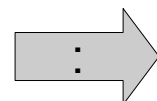
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computer
keyboard
mouse



knife
spoon
fork



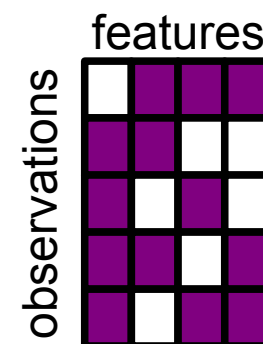
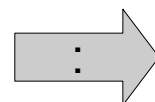
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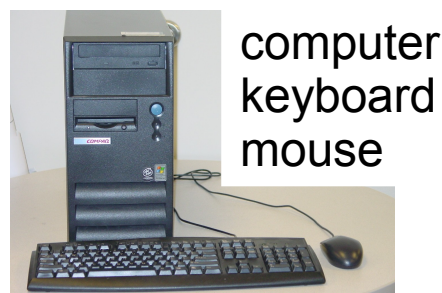
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computer
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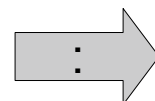
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knife
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fork



We develop a
general framework
for **correlated**
nonparametric
latent feature models

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We do so by using a hierarchical structure...
come by our poster for more!

