

Anandkumar et al, Wang and Blei:

1. Use all residuals
2. Network nodes independent given latent space

Nachman et al:

1. Use cluster residuals
2. Network nodes independent given latent space and structure
3. Structure and latent space learning coupled

Gaussian  
variables

+ observed variables  
allowed to be co-  
dependent

+ global and orthogonal search for  
latent space

1. Use all residuals
  - Show optimality
2. Network nodes independent given latent space ***and structure***
3. De-couple structure learning and latent space learning
  - Correct structure cannot be learned without accounting for latent space
  - Must iterate

**Novel in  
this work**

Generalize from Gaussian to ordinal variables

Link need for latent structure inference to  
Average Causal Effect applications via variance  
inflation factor