

fMRI  
DataExperiment  
Variables

Deep Probabilistic Factor Analysis

 $p(\mathbf{Z})$  $p_{\theta}(\mathbf{W}, \mathbf{F} | \mathbf{Z})$  $\hat{\mathbf{Y}}_k(\mathbf{W}_k, \mathbf{F}_k)$  $p(\mathbf{Y} | \hat{\mathbf{Y}})$ Spatio-temporal  
Factor ReconstructionsParticipant & Stimuli  
Embeddings