

Dirichlet-multinomial Regression (DMR) [Mimno & McCallum 08]

Allows arbitrary features to be used to influence choice of topics

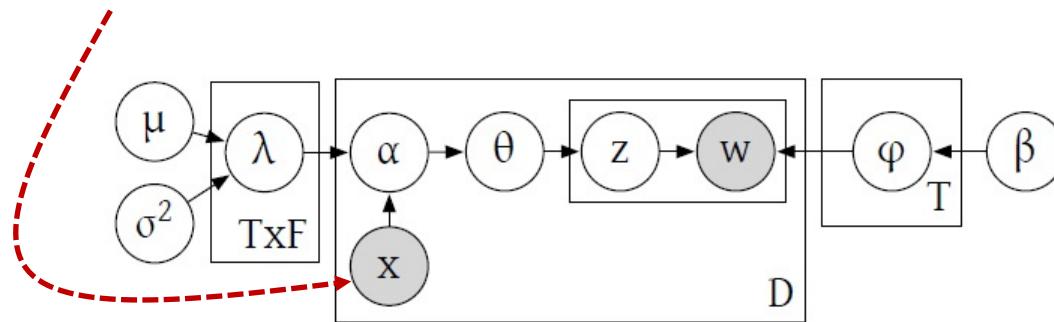


Figure 3: The Dirichlet-multinomial Regression (DMR) topic model. Unlike all previous models, the prior distribution over topics, α , is a function of observed document features, and is therefore specific to each distinct combination of metadata feature values.