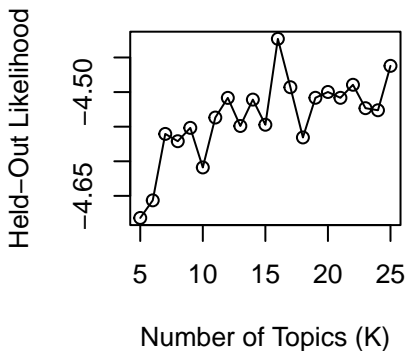
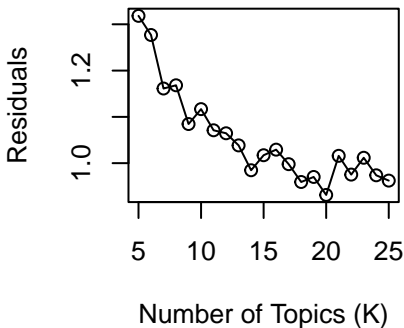


# Dagnostic Values by Number of Topics

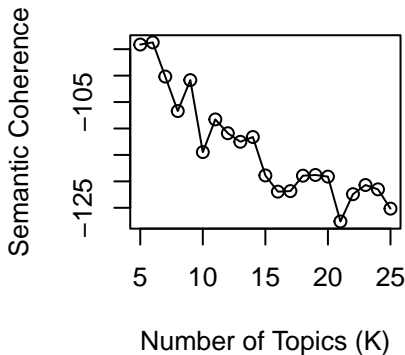
## Held-Out Likelihood



## Residuals



## Semantic Coherence



## Lower Bound

