Generative model of texts

Probabilistic Latent Semantic Analysis (PLSA):

$$p(w|d) = \sum_{t \in T} p(w|t, d) \, p(t|d) = \sum_{t \in T} p(w|t) \, p(t|d)$$

Notation:

- *w* − *word*
- *d document*
- t-topic