Brief History of SLMs

- 1998~2010: Progress made on using language models for IR and for text analysis/mining
 - Success of LMs in speech recognition inspired more research in using LMs for IR
 - Language model-based retrieval models are at least as competitive as vector space models with more guidance on parameter optimization
 - Topic language model (PLSA & LDA) proposed and extensively studied
- 2010~ present: Neural language models emerging and attracting much attention
 - Addressing the data sparsity challenge in "traditional" language model
 - Representation learning (word embedding)

