

# NLU post 2010, meet the Muppets

- **End-to-end modeling with no explicit syntactic representation**
  - Neural networks pertained on very large text corpora where goal is to predict words given then context (i.e., surrounding words).
  - Transfer / few shot learning to fine tune on downstream tasks
  - **This course primarily focuses on neural-based approaches**





# Application areas: Web search

- Based on neural information retrieval techniques
- Improved semantic relevance
- Robust to variation in spelling, phrasing etc.
- Drastic improvement in image search relevance

query: *addisads trousers*  
result:

