Taboo implementation

BM1 Advanced NLP - Final project



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Our goal



We are implementing two components of the gameplay:

- ightarrow Taboo card generator
 - pre-trained word2vec word embeddings
 - WordNet via NLTK
- ightarrow Taboo player
 - LSTM RNN using PyTorch

(image source)

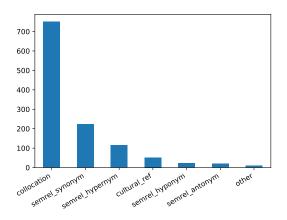
Part 1: The card generator

- Gold standard from existing Taboo cards
 - semantic relations manually annotated
- 2. **Taboo word generation** for a given main word
 - five words based on probability distribution from gold standard



(image source)

Part 1: The card generator



	taboo	
 	stigma verboten touchy forbidden unmentionable	

Part 2: The Taboo player

- · NN to generate text (RNN with LSTM architecture)
- idea: start with e.g. "a [main word] is a" to get NN on the right track
- how to prevent TWs from appearing in output: retroactive correction (if the generated text includes a taboo word, replace with a synoynm)
- will implement using PyTorch