

Natural Language Processing I: Entry survey

- Give some new examples where NLP would be useful.

Answer: Webpage translation, voice recognition/command/text, scanning books, customer service bots, ordering products/food with voice, explaining error messages, interactive troubleshooting, automatic video captioning, deciphering code languages, monitoring military communications, reading texts, generating news articles, sentient analysis, tracking social media, information extraction, counter-terrorism alert systems.

- Briefly explain how the spam filter that we studied earlier worked.

Answer: Spam and Ham word probabilities were learned to construct a Bayes Net and then it was used to test incoming messages.

Exit survey

- What is a good method for identifying foreign languages?

Answer: Looking at the probability distribution of 2-3 letter sequences.

- How do we improve bag of words to learn word sequences?

Answer: We calculate a Markovian probability of a word occurring based on a finite history of previous words.