# Table of contents

1. Introduction to natural language processing

2. Linguistic background

3. Mathematical models

4. Python implementation

5. Appendix

# 1. Вступ в обробку натуральних мов

Computers se text that they don’t really understand

They have to use some prior knowledge.

They reason probabilistically.

They use context.

# 2. Лінгвістична база

## Parts of speech

### Brown corpus

History

Regular expression for tag separation

## Stemming

## Tokenization

Example grammars?

# 3. Математичні моделі

## N-grams

## Markov models

## Hidden Markov models

# 4. Реалізація мовою Python

## Procedural

### Documentation

## Dictionaries

## NLTK

## N-grams

## Native tagger?

## Pickle

# 5. Додаток

# ? u sure ?