

NLP Galore

Various Sources

2022-03-03

Contents

| | | |
|-----------|--|-----------|
| 1 | Introduction | 5 |
| | BASICS OF NLP | 9 |
| 2 | Word Tokenization | 9 |
| 3 | TF-IDF | 11 |
| 4 | Semantic Analysis | 13 |
| 5 | Word2vec | 15 |
| 6 | Convolutional Neural Networks (CNNs) | 17 |
| 7 | Recurrent Neural Networks (RNNs) | 19 |
| 8 | Recurrent Neural Networks (RNNs) | 21 |
| 9 | Long Short-Term Memory Networks (LSTMs) | 23 |
| 10 | Sequence-to-Sequence Models and Attention | 25 |
| | APPLICATIONS IN ECONOMICS | 29 |
| 11 | Dictionary Methods | 29 |

Chapter 1

Introduction

This handbook is about natural language processing for internal use only.

Please **do not** cite.

BASICS OF NLP

Chapter 2

Word Tokenization

Chapter 3

TF-IDF

Chapter 4

Semantic Analysis

Chapter 5

Word2vec

Chapter 6

Convolutional Neural Networks (CNNs)

Chapter 7

Recurrent Neural Networks (RNNs)

Chapter 8

Recurrent Neural Networks (RNNs)

Chapter 9

Long Short-Term Memory Networks (LSTMs)

Chapter 10

Sequence-to-Sequence Models and Attention

APPLICATIONS IN ECONOMICS

Chapter 11

Dictionary Methods