Task

On

NLP

**Course**: Artificial Intelligence

(Machine Learning & Deep Learning)

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Week: 17

Submitted to: Sir Syed Nazir Afridi



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National Center For Big Data & Cloud Computing

University of Engineering & Technology

Peshawar

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# 1 Parts of Speech

**import spacy**

The Quick Brown Fox jump over the lazy dog's back. NOUN

NN

|  |  |  |  |
| --- | --- | --- | --- |
| The | DET | DT | determiner |
| Quick | PROPN | NNP | noun, proper singular |
| Brown | PROPN | NNP | noun, proper singular |
| Fox | PROPN | NNP | noun, proper singular |
| jump | NOUN | NN | noun, singular or mass |
| over | ADP | IN | conjunction, subordinating or preposition |
| the | DET | DT | determiner |
| lazy | ADJ | JJ | adjective |
| dog | NOUN | NN | noun, singular or mass |
| 's | PART | POS | possessive ending |
| back | NOUN | NN | noun, singular or mass |
| . | PUNCT | . | punctuation mark, sentence closer |

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[ ]: 'VERB' [ ]:

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| --- | --- | --- | --- |
| The | DET | DT | determiner |
| Quick | PROPN | NNP | noun, proper singular |
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| back | NOUN | NN | noun, singular or mass |
| . | PUNCT | . | punctuation mark, sentence closer |

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{90: 2, 96: 3, 92: 3, 85: 1, 84: 1, 94: 1, 97: 1}

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[ ]: 'PROPN' [ ]:

[ ]: 'PROPN' [ ]:

|  |  |
| --- | --- |
| 84 ADJ | 1 |
| 85 ADP | 1 |
| 90 DET | 2 |
| 92 NOUN | 3 |
| 94 PART | 1 |
| 96 PROPN | 3 |
| 97 PUNCT | 1 |

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74 POS 1

1292078113972184607 IN 1

10554686591937588953 JJ 1

12646065887601541794 . 1

15267657372422890137 DT 2

15308085513773655218 NN 3

15794550382381185553 NNP 3

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# 2 Word Embedding

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[ ]:

sent=['the glass of milk', 'the glass of juice', 'the cup of tea',

'I am a good boy',

'I am a good developer', 'understand the meaning of words', 'your videos are good',]

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# 3 Stop Words

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