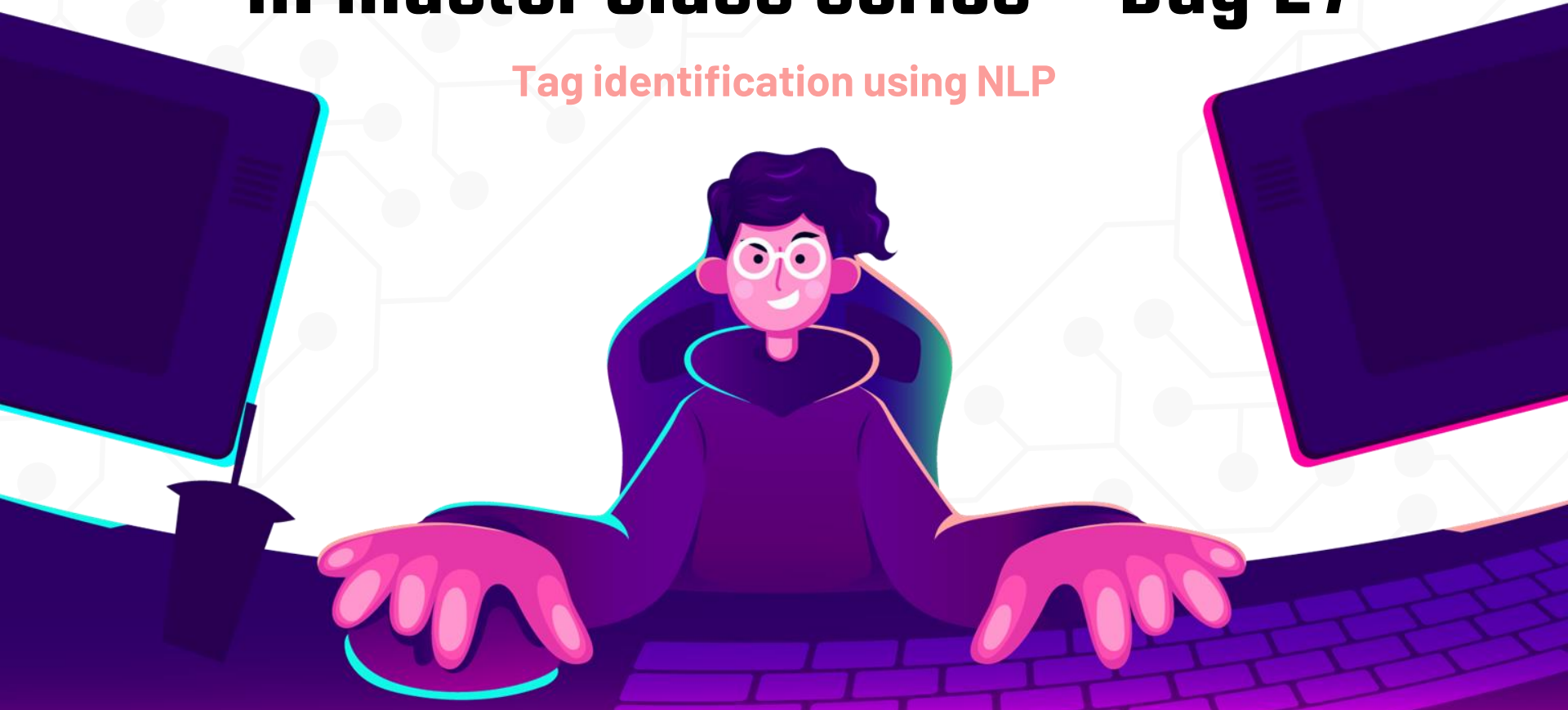


AI Master Class series – Day 27

Tag identification using NLP



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Day-27 Agenda.

01.

Overview on Title Formation

02.

Installing Libraries

03.

Title formation using NLP

04.

Q & A

Title Formation from Paragraph using NLP

The main purpose of a title is to entice people to make them read your work. A good title helps in garnering all the attention that your article deserves



NLTK

- NLTK stands for Natural Language Toolkit.
- This toolkit is one of the most powerful NLP libraries which contains packages to make machines understand human language and reply to it with an appropriate response.
- Tokenization, Stemming, Lemmatization, Punctuation, Character count, word count are some of these packages which will be discussed in this tutorial.

html5lib

- html5lib is a pure-python library for parsing HTML. It is designed to conform to the WHATWG HTML specification, as is implemented by all major web browsers.

Bs4 — Beautiful soup

- Beautiful Soup is a Python package for parsing HTML and XML documents. It creates a parse tree for parsed pages that can be used to extract data from HTML, which is useful for web scraping.

Installing Libraries

NLTK – `pip install nltk`

```
Stored in directory: c:\users\admin\appdata\local\pip\cache\wheels\45\6c\46\a1865e7ba  
47ba0266  
Successfully built nltk  
Installing collected packages: click, regex, tqdm, nltk  
Successfully installed click-7.1.2 nltk-3.5 regex-2020.10.28 tqdm-4.51.0  
WARNING: You are using pip version 20.1.4; however, version 20.2.4 is available.
```

Installing Libraries

html5lib – `pip install html5lib`

```
Collecting html5lib
  Downloading html5lib-1.1-py2.py3-none-any.whl (112 kB)
    |████████████████████████████████████████| 112 kB 939 kB/s
Requirement already satisfied: six>=1.9 in c:\program files (x86)\microsoft
ckages (from html5lib) (1.15.0)
Collecting webencodings
  Downloading webencodings-0.5.1-py2.py3-none-any.whl (11 kB)
Installing collected packages: webencodings, html5lib
Successfully installed html5lib-1.1 webencodings-0.5.1
WARNING: You are using pip version 20.1.1, however version 20.2.4 is availa
```


Installing Libraries

html5lib – **pip install bs4**

```
Successfully built bs4  
Installing collected packages: soupsieve, beautifulsoup4, bs4  
Successfully installed beautifulsoup4-4.9.3 bs4-0.0.1 soupsieve-2.0.1
```

! PRACTICAL SESSION !





Thanks!

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Tomorrow session

Speech Emotion Analysis

