Research on the analysis

Some basic steps in how to clean data

<https://machinelearningmastery.com/clean-text-machine-learning-python/>

* Give us a basic insights in how to pre-process the data and exploring the data

Topic Modelling – some of the basic

<https://towardsdatascience.com/end-to-end-topic-modeling-in-python-latent-dirichlet-allocation-lda-35ce4ed6b3e0>

Question 1

Offer some insights on in how to clean the data, and some theoretical views of topic modelling, such as how to do topic modelling for example using genism package to create it and how to visualise it. Finally, to add tell us how to explore the data textually such as by using word clouds, to visualise it

Topic Modelling (twitter side)

<https://ourcodingclub.github.io/tutorials/topic-modelling-python/>

Question 1

Can identify the common topic from the five category which has been talked about

Comparison between topic modelling and word embedding

<http://ceur-ws.org/Vol-2402/paper1.pdf>

Question 1

* Some background knowlodge of topic modelling and word embedding and how they are used for in terms of analysis

The most common word embedding techniques

<https://towardsdatascience.com/word-embeddings-exploration-explanation-and-exploitation-with-code-in-python-5dac99d5d795>

Question 1- Some techniques in how it can help us to create the model

Further Explanation in word embedding techniques

<https://www.kdnuggets.com/2021/11/guide-word-embedding-techniques-nlp.html>

Some background knowledge of word embedding – and what techniques we can implement (GloVe – popular word embedding tools)

Question 1

Basic Explanation of topic modelling

<https://www.analyticsvidhya.com/blog/2021/05/topic-modelling-in-natural-language-processing/>

An example in how topic modelling can be implemented and what will be the expected the result we get once we implement the model (give us an idea on how it will look like)

Question 1

Word Embedding for possible sentiment analysis

<https://towardsdatascience.com/word-embeddings-for-sentiment-analysis-65f42ea5d26e>

Question 1

Further explanation in how we can create a sentiment analysis by using word embedding

Creating Sentiment Analysis using Spacy

<https://www.section.io/engineering-education/sentiment-analysis-with-spacy-and-scikit-learn/>

Question 1

A method that we can use to form a sentiment analysis by using spacy

Sentiment Analysis

https://www.analyticsvidhya.com/blog/2021/06/rule-based-sentiment-analysis-in-python/

Question 1

Creating sentiment analysis by using text blob which measure polarity (talks about how negative the opinion is) and subjectivity (talk how subjective the opinion is) and different techniques to implement it

Word embedding

<https://scholarworks.uark.edu/cgi/viewcontent.cgi?article=1085&context=csceuht>

Give us a in depth knowledge in how different techniques of the word embedding techniques is used

Naive Bayes

<https://towardsdatascience.com/all-about-naive-bayes-8e13cef044cf>

Can makes predictions in real time