TEXT CLASSIFICATION

-BUILD A CLASSIFIER MODEL USING NAVIE BAYE'S ALGORITHM

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INTRODUCTION

- A news article discusses current or recent news of either general interest or on a specific topic.
- For example ,political ,trade ,technology's etc.....
- Every news websites classifies the news article before when we go to a websites, so visitors can easily click on the type of news of interest.
- This leads to save the visitors time and might helpful for all.

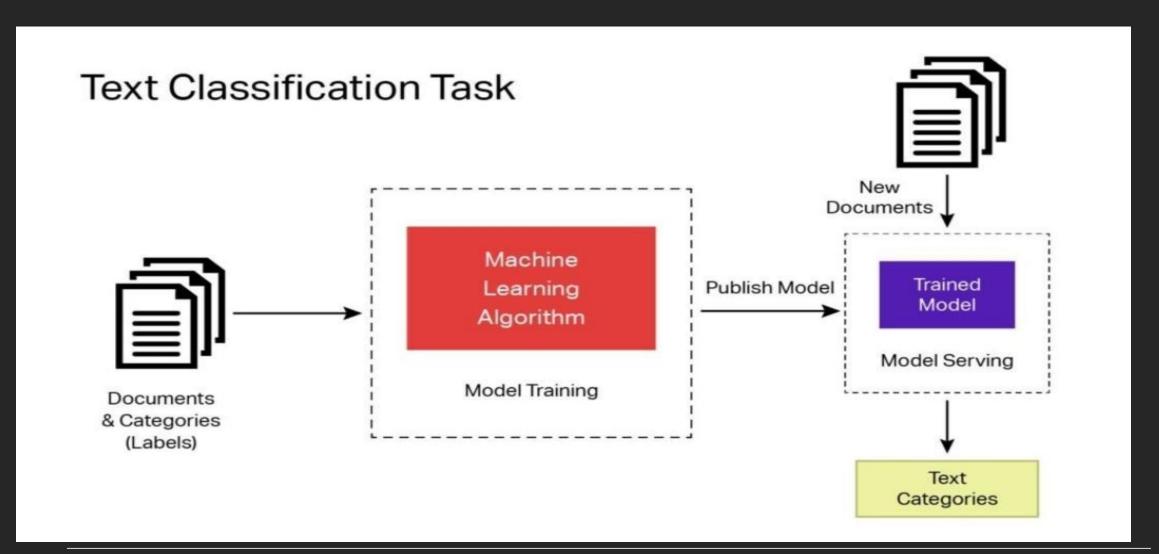
DATASET-Text classification

- Text classification dataset are used to categorize natural language processing texts according to the content.
- · Some of the dataset providing websites for text classifications are,
 - ı. Kaggle
 - 2. Blagger.com
 - з. Неш в д г о и р
 - 4. Github.com

DATA CLEANINNG AND PRE PROCESSING

- Data processing is the process of transforming raw data into an understandable format.
- The quality of data should be checked before applying the machine learning or data mining algorithms.
- It is an important step because, we cannot work on the raw data.

WORK FORMAT



NAVIE BAYES ALGORITHM

 Navie bayes algorithm is a collection of classification algorithm based on bayes theorem.

$$P(A \mid B) = \frac{P(B \mid A)P(A)}{P(B)}$$

- A,B=events
- P[A|B]=probabilof A given B is true
- P[B|A]=probabilof B given A is true
- P(A),P(B)=the independent probabilities of A aand B

ШORKING

- I can take the dataset from "Github.com", which is a news dataset.
- The dataset is "dsjVoxArticles.tsv file" and its format is TSV file.
- TSV stands for "TAB SEPERATED VALUES".
- It holds the data in the tablelled manner.





Connect



+ Code + Text

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MU WORK EXAMPLES

IMPORTING THE REQUIRED LIBRARIES

