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Theory

Data Analysis

Data analysis is the process of examining, cleaning, transforming, and modeling data with the aim of finding useful information, informing conclusions, and supporting decision making

Requirement 'Library'

- regex -> library of character sequences that make up the search pattern.

- pandas -> data manipulation and analysis

- numpy -> adds support for large multidimensional arrays and matrices, along with a large collection of high-level math functions to operate on these arrays

- numpy -> adds support for large multidimensional arrays and matrices, along with a large collection of high-level math functions to operate on these arrays

Requirement 'Library'

- emoji -> to process emoji

- Collections -> containers for storing data and commonly known as data structures, such as lists, tuples, arrays, dictionaries, etc.

- numpy -> adds support for large multidimensional arrays and matrices, along with a large collection of high-level math functions to operate on these arrays

- matplotlib.pyplot -> for plotting python programming

- wordcloud -> to create and represent tag cloud into image

Practical Exercise
Let's make it happen!