Guided Projects Artificial Intelligence & Machine Learning

Guided Projects: Natural Language Processing

Text Classification

Text classification is the process of **assigning tags or categories** to text according to its content. It is one of the fundamental tasks in **Natural Language Processing (NLP)** with broad applications such as sentiment analysis, topic labelling, spam detection, and intent detection. **Text classifiers** can automatically analyze text and then assign a set of **pre-defined** tags or categories based on its content**.**

Question:

Using vector semantics, we can easily convert a given text into its corresponding vector form. Given any text, first pre process the text and convert it into a vector using BoW methods. Given this vector, implement your own classifier to classify the vector is pre-defined categories. You may use of these datasets for training and for defining the categories:
 [14 Best Text classification Datasets for Machine Learning](#)