

Student feedback sentiment analysis

Abstract

Sentiment analysis is a technique used to determine whether data is positive, negative or neutral. Sentiment analysis is often performed on textual data to help businesses monitor brand and product sentiment in customer feedback, and understand customer needs. Communication and interaction of instructors with individual students is extremely challenging. Student's problem can affect their studies. Student feedback is an important source for understanding and adapting new learning techniques, materials etc. Sentiment analysis can efficiently capture student emotions.

Algorithm

Decision tree

The decision tree is termed to be Classification and Regression Trees. The paintings with the aid of mastering answers to a hierarchy of if/else questions lead to a choice, those questions shape a tree-like structure and as a result the name.

- **Random Forest Regression Method**

The random forest regression method is a type of supervised learning and works based on a decision tree algorithm.

Mostly used for solving regression and classification

problems. This focused-on ensemble learning, combining many classified to solve complex problems.

Implementation

JUPYTER NOTEBOOK tool and integrate it with Python programming. Jupyter is open-source software used for machine learning, data science, and sentiment analysis , statistical analysis. This contains a collection of code for visualization and predicting algorithms. and data analyzing tool.