

Source:https://h2oai.github.io/tutorials/natural-language-processing-sentiment-analysis/#0





Sentiment analysis, also known as opinion mining, is a subfield of Natural Language Processing (NLP) that tries to identify and extract opinions from a given text.

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2/different techniques



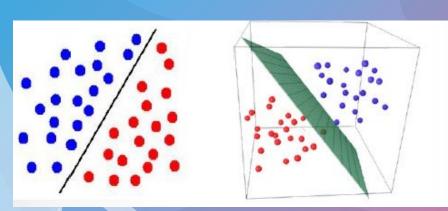
1/using VADER model 3/ roberta pretrained model 4/

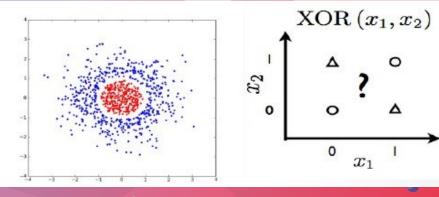






Minsky and Papert (1969) Al Winter





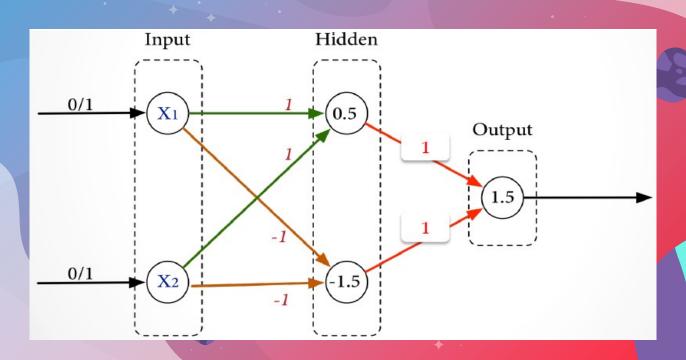
A perceptron is able to find a decision boundary (hyperplane) between linearly separable classes.

But not all problems are linearly separable.

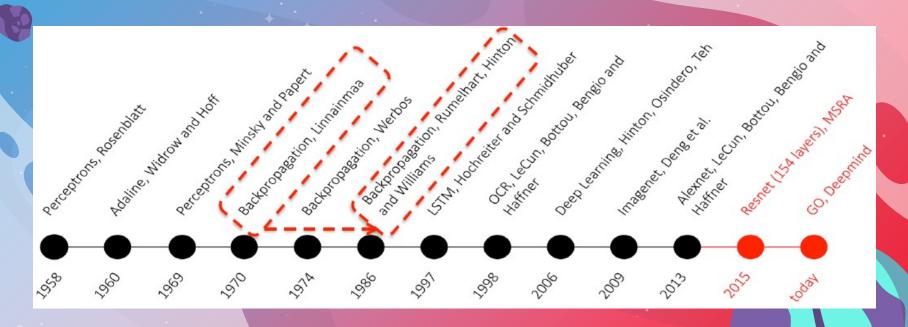




Solution: Networks of perceptrons (MLP)



From Al Winter Today



1986

David Rumelhart, Geoffrey Hinton and Ronald Williams published a paper "Learning representations by back-propagating errors", which introduced:

- Hidden Layers
- Backpropagation and some other tricks