

# Sentiment Analysis

## Overview

Predict the sentiment of the reviewers from [Roten Tomatoes](#)'s movie reviews.

## Task Description

Build neural network-based models to predict the reviews as of those five sentiment categories:

- ♣ 0: Negative
- ♣ 1: Somewhat Negative
- ♣ 2: Neutral
- ♣ 3: Somewhat Positive
- ♣ 4: Positive

This task is based on this [Kaggle competition](#) which is in turns based on [the work](#) from (Socher et al., 2013). You could refer to any comment or idea from Kaggle or Stanford's pages to build your own solution as long as you presented it clearly in the final report.

## Dataset

Download:

<https://www.kaggle.com/c/sentiment-analysis-on-movie-reviews/data>

Other resources: Check [here](#) and read the readme file.

## Requirements

Predict the sentiment for every phrase.

Suggest a solution to predict the overall sentiment for the sentences.

## Evaluation

It is a multi-class classification problem and the accuracy of your classifier is the evaluation criterion.

## References

Socher, R., Perelygin, A., Wu, J., Chuang, J., Manning, C.D., Ng, A. and Potts, C., 2013. Recursive Deep Models for Semantic Compositionality over a Sentiment Treebank. In Proceedings of the 2013 Conference on Empirical Methods in Natural Language Processing (pp. 1631-1642).