

# Aspect Based Sentiment Analysis with Gated Convolutional Networks

# SMAI-MIDEVAL(49)

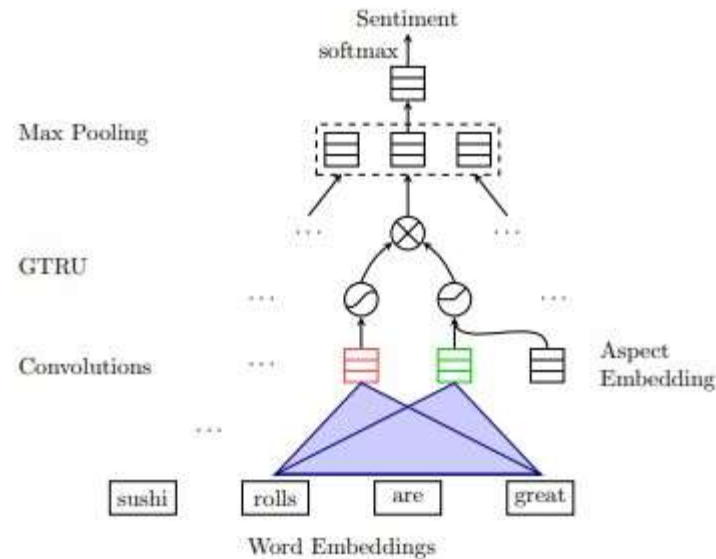
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# Scope of the project

- This project is about sentiment analysis using of Gated convolutional neural networks.
- This is divided into two parts one is Aspect-category sentiment analysis(ACSA) and the other is aspect-term sentiment analysis(ATSA)
- This project presents a new model named GCAE which is efficient and simpler than regular ACSA and ATSA.

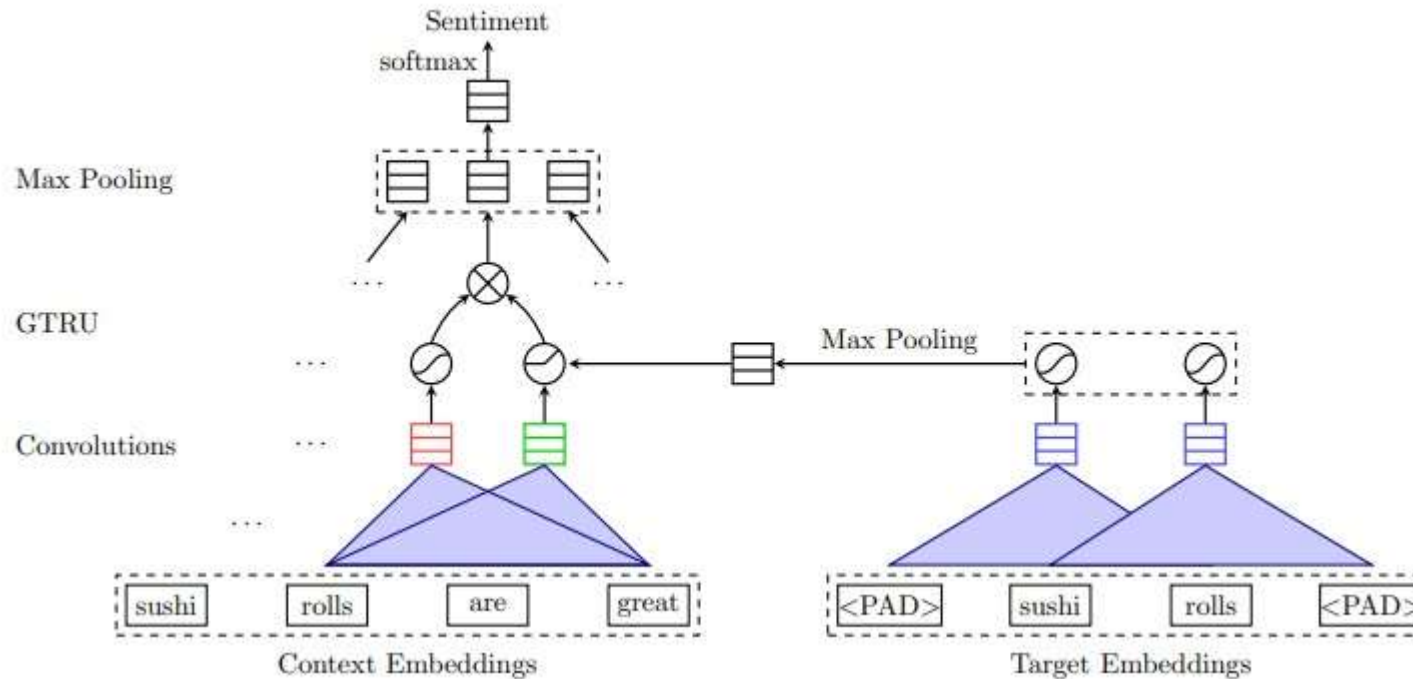
# ACSA

- The goal of ACSA is to predict the sentiment polarity with regard to the given aspect, which is one of a few predefined categories.



# ATSA

- the goal of ATSA is to identify the sentiment polarity concerning the target entities that appear in the text instead, which could be a multi-word phrase or a single word



# Tasks completed

- Loading and preprocessing of data sets using glove.

# Future tasks

- Implementing ACSA
- Implementing ATSA