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Abstract

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1 Introduction

The gist of this paper is to discuss various augmentation approaches and study their effect in sentiment analysis by following two approaches.

Approach 1 - augmenting the dataset before training a classifier

Approach 2 - Augmenting the dataset while training a model.

We compare these approaches to DA on two different datasets.

2 Model Descriptions

2.1 Problem Setting

2.2 Overview of the model

2.3 Data Preprocessing

Spacy Tokenization [1]

2.4 Encoding Layer

3 Experiments

3.1 Experiment Settings

Introduce parameter settings here word embedding is 300D pretrained adam dropout for bilstm dropout for wordembeddings layers epochs Learning rate length of the sentences

3.2 Dataset - Statistics

3.3 Implementation Details

3.4 Model Comparison

body

References

- [1] Srinivasa-Desikan, Bhargav. Natural Language Processing and Computational Linguistics: A practical guide to text analysis with Python, Gensim, spaCy, and Keras. Packt Publishing Ltd, 2018.