

Methodology

Overview

- Each sample consists of both news articles and user feedback comments (*reports*)
 - Both are texts, and are transformed into vector representations by word embedding
 - User feedback comments are detailed reasons and evidence provided by user
- A small set of samples are labeled by experts as fake or real
- Our objective is to predict the labels of the unlabeled samples

Methodology

Textual Feature Extractor

- Use Text-CNN as textual feature extractor
- The input of the textual feature extractor is
 - news content (in fake news detector) or
 - a report message (in annotator)
- The learned representation from textual feature extractor are the input features to annotator and fake news detector

