Weak Supervision for Fake News Detection via Reinforcement Learning

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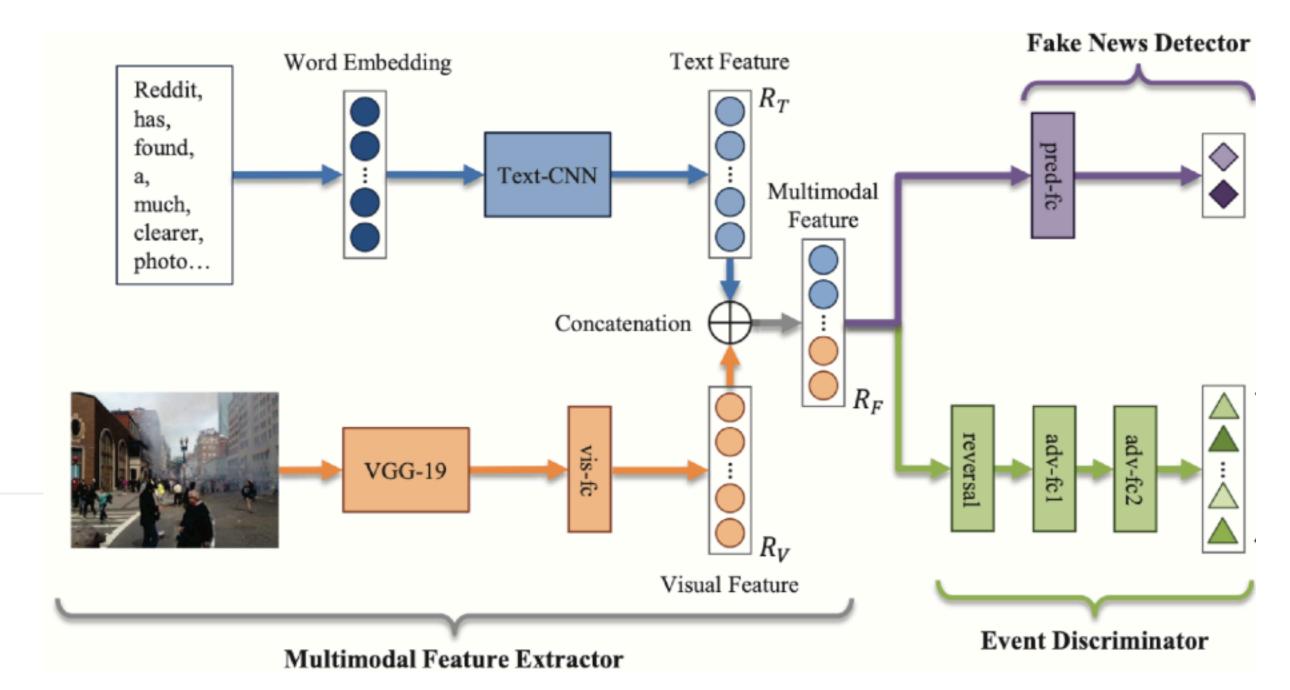[1]State University of New York at Buffalo, New York, USA

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EANN: Event Adversarial Neural Networks for Multi-Modal Fake News Detection
Yaqing Wang, Fenglong Ma, Zhiwei Jin, Ye Yuan, Guangxu Xun, Kishlay Jha, Lu Su, Jing Gao

SUNY Buffalo. KDD, 2018.

Dataset

We recently release a dataset (in Chinese) on fake news from Wechat. The dataset includes news title, report content, news url and image url. Find more details via https://github.com/yaqingwang/WeFEND-AAAI20

The data folder contains a subset of weibo dataset for a quick start. If you are interested in full weibo dataset, you can download it via https://drive.google.com/file/d/14VQ7EWPiFeGzxp3XC2DeEHi-BEisDlNn/view?usp=sharing. (Approximately 1.3GB)

Main Idea

One of the unique challenges for fake news detection on social media is how to identify fake news on **newly emerged events**. The EANN is desgined to **extract shared features among all events** to effectively improve the performance of fake news detection on never-seen events.