Related Work.....
Fake news detection

- **Multi-modal**

  - propose a deep learning based fake news detection model, which extracts the multi-modal and social context features and **fuses them by attention mechanism**.

  - However, the multi-modal feature representations are

    - still <u>highly dependent on specific events</u> in the dataset

    - <u>cannot generalize very well</u> to identify fake news <u>on new coming events</u>

Methodology.
Model Overview

text feature extractor

visual feature extractor

Word Embedding

Text Feature

Reddit, has, found, a, much, clearer, photo...

Text-CNN

R_T

Multimodal Feature

Concatenation $\oplus$

R_F

VGG-19

vis-fc

R_V

Visual Feature

Multimodal Feature Extractor

Fake News Detector

pred-fc

Truth

Fake News

reversal adv-fc1 adv-fc2

Event Label

Event Discriminator