

Experiments.....

Case Studies for Multiple Modalities: Text Missed



(a) Five headed snake



(b) Photo: Lenticular clouds over Mount Fuji, Japan. #amazing #earth #clouds #mountains

- The text content don't show evidence to identify that the tweets are fake.
- For both of the examples in Figure, they describe the image with common patterns.
- Text model identifies this news as a real one.
- As seen, two attached images look quite suspicious and are very likely to be forged pictures.
- By feeding visual and texture into EANN, both tweets are classified as fake with high confidence scores.

Experiments.....

Case Studies for Multiple Modalities: Image Missed



(a) Want to help these unfortunates? New, iPhones, laptops, jewelry and designer clothing could aid them through this!



(b) Meet The Woman Who Has Given Birth To 14 Children From 14 Different Fathers!

- For first example, the complicated semantic meaning is contained in the attached image, which is challenging to be captured by VGG19.
- However, the words with strong emotion and inflammatory intention suggest this is a suspicious post.
- Second example looks very normal, but the text content seems to misrepresent the image to mislead the readers.
- Without texture content, the meaning of tweets would totally change.
- Only aligned with the corresponding text description, it can be identified as fake news.