Fake-news image...
Semantic level images

- Exhibit some distinct characteristics in the **pixel domain**, visual factors from low-level to high-level

  - build a **multi-branch CNN-RNN network** to extract features of different semantic levels for fully capturing the characteristics of fake-news images in the pixel domain.

Attention Mechanism

- Visual features at both physical and semantic levels are important for detecting fake-news images

- Not all features contribute **equally** to the task of fake news detection

  - some visual features play more important roles than others in evaluating feature

- Employ an **attention mechanism to fuse** these visual features from frequency and pixel domains dynamically.