

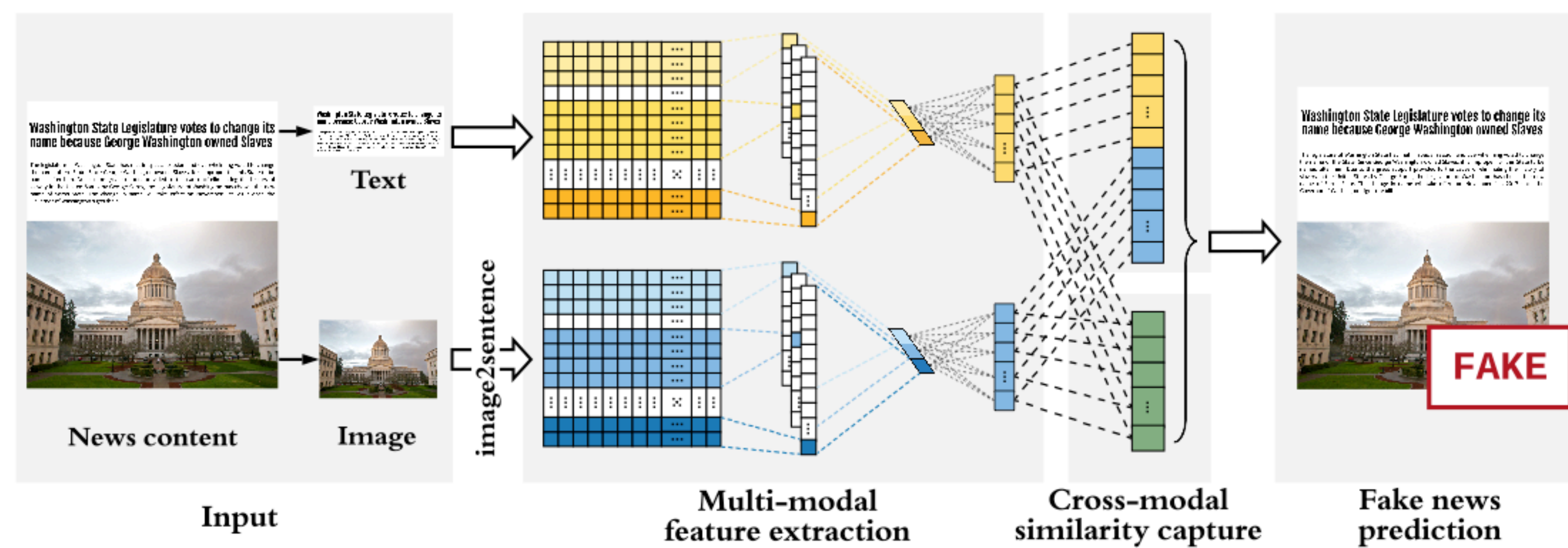
# Experiments

## Setup: Baselines

- Compare to the following baselines, which detect fake news using
  - (i) textual (LIWC): widely-accepted psycho-linguistics lexicon
  - (ii) visual (VGG-19): use fine-tuned VGG-19 as one of the baselines
  - (iii) multi-modal information (att-RNN):
    - Employ LSTM & VGG-19 with attention mechanism to fuse textual, visual and social-context features of news articles. (exclude social-context feature for fair)

# Experiments

## Baselines



- Variants of the proposed SAFE method:
- **SAFE\T:** without using textual information
- **SAFE\V:** without using visual information
- **SAFE\S:** without capturing the relationship (similarity) between textual and visual features. In this case, features of each news are fused by concatenating them
- **SAFE\W:** only assessed the relationship between textual and visual information. In this case, the classifier is directly connected with the output of the cross-modal similarity extraction module.