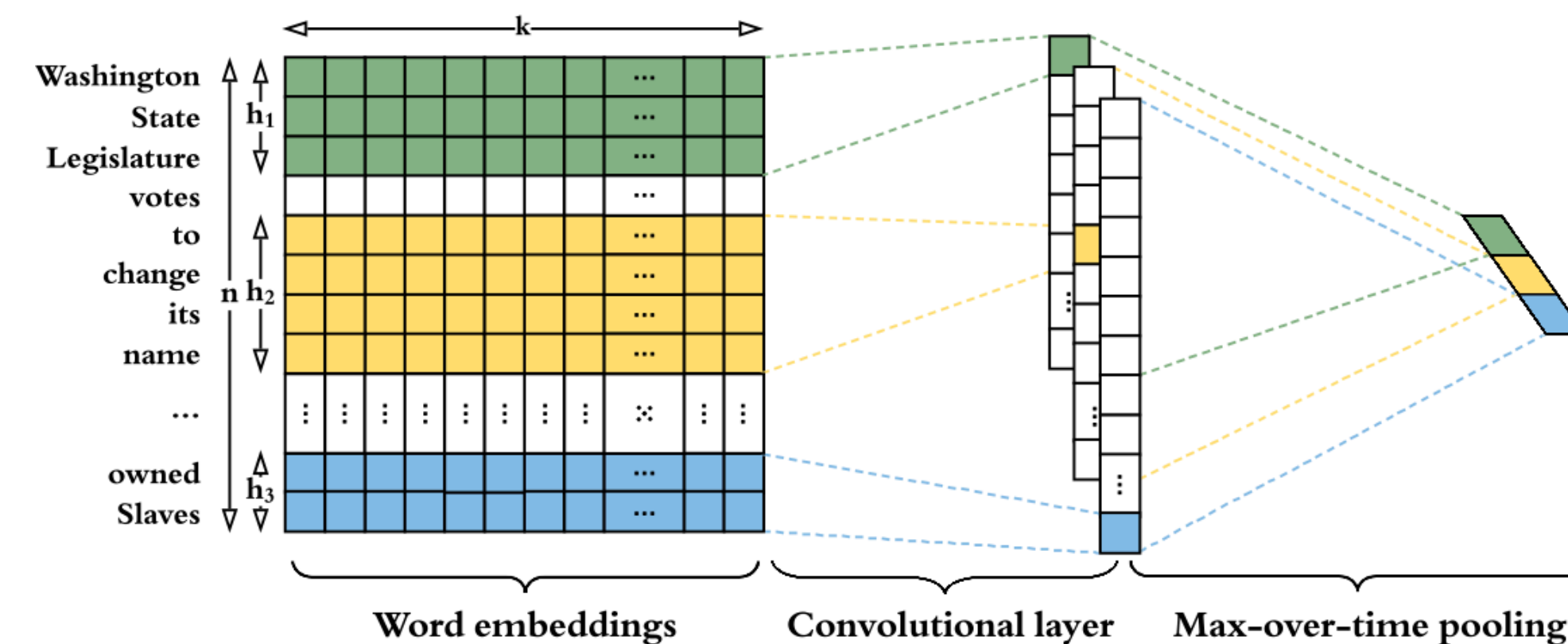


Methodology

Multi-modal Feature Extraction - Image



- Also use Text-CNN with an additional fully connected layer while we first process visual information within news content using a pre-trained **image2sentence** model.

a red double decker bus driving down a street.



a man is sitting at a table with a cake.



a man riding a surfboard on a wave.



Methodology

Multi-modal Feature Extraction – Image

- Compare to existing multi-modal fake news detection studies that often directly apply a pre-trained CNN model (e.g., VGG) to obtain the representation of news images
- Use image2sentence for consistency and to increase insights when computing the similarity across modalities.

a red double decker bus driving down a street.

