Experiments
Case Study

- Aim to answer the following questions:

  - Is there any real-world fake news story whose textual and visual information are not closely related to each other?

  - If there is, can SAFE correctly recognize such irrelevance and further recognize its falsity?

- For this purpose, author went through the news articles in the two datasets, and compared their ground truth labels with their similarity scores computed by SAFE.

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- Gap between textual and visual information exist for some fictitious stories for (but not limited to) two reasons:

  1. Such stories are difficult to be supported by non-manipulated images

  - In Fig(a), where no voting- and bill-related image is actually available.

Washington State Legislature votes to change its name because George Washington owned Slaves

(a) $s = 0.024$