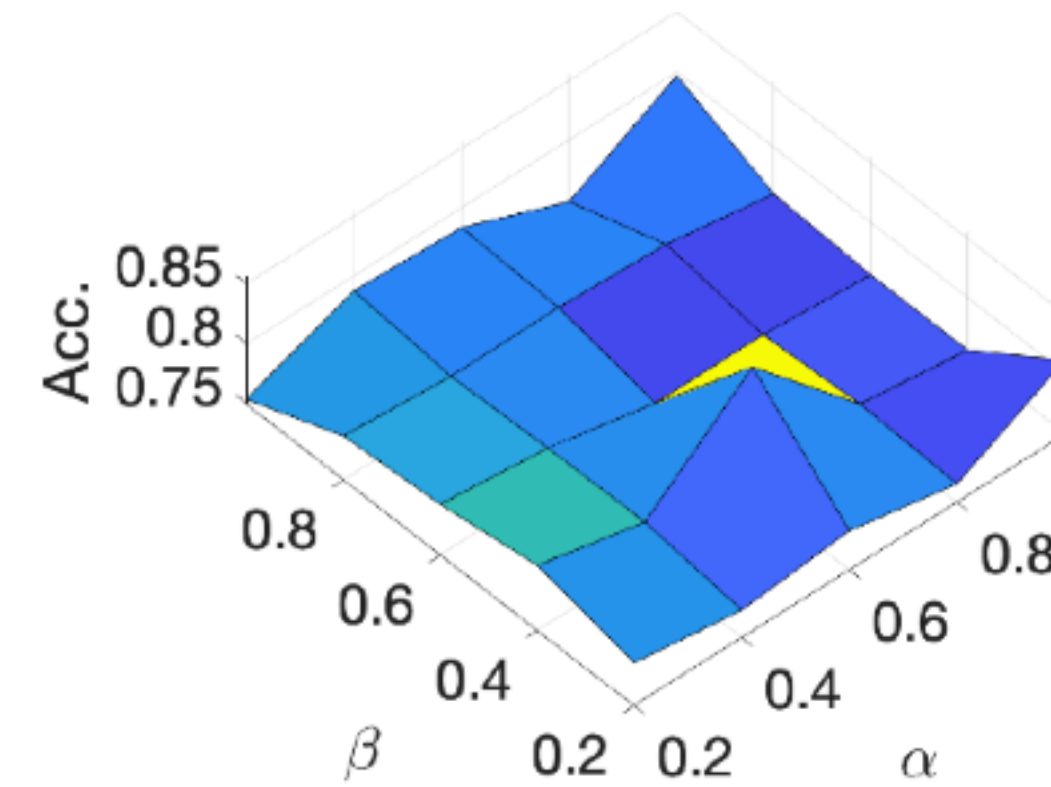


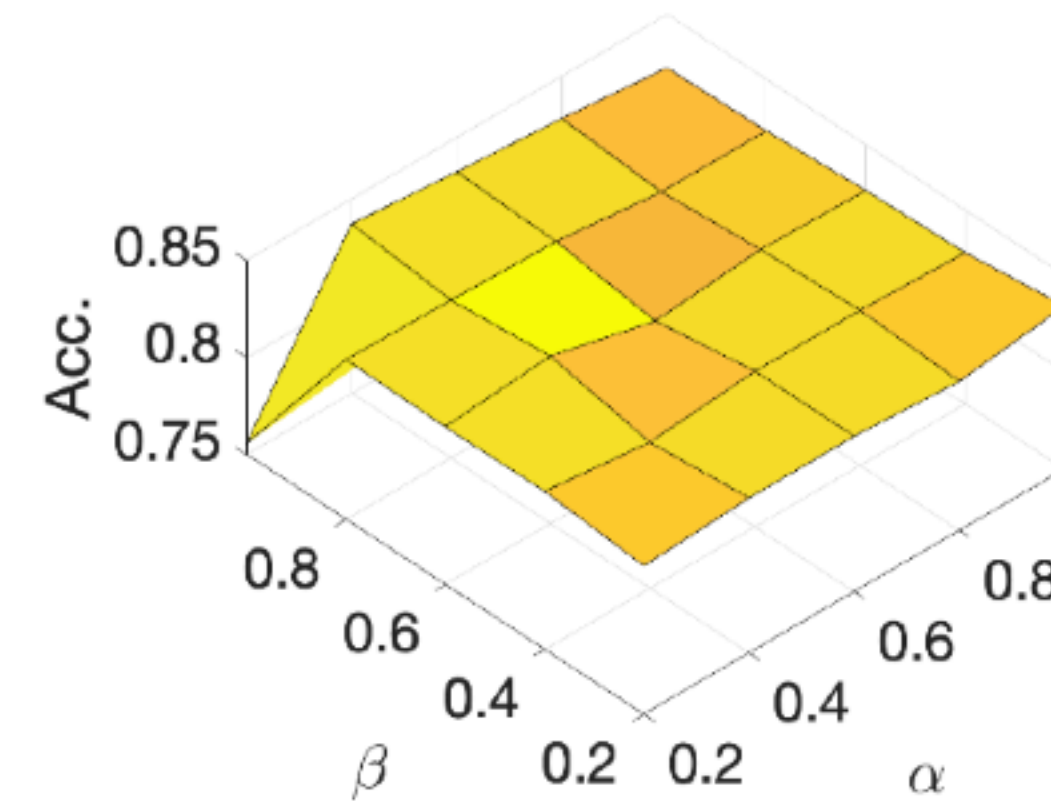
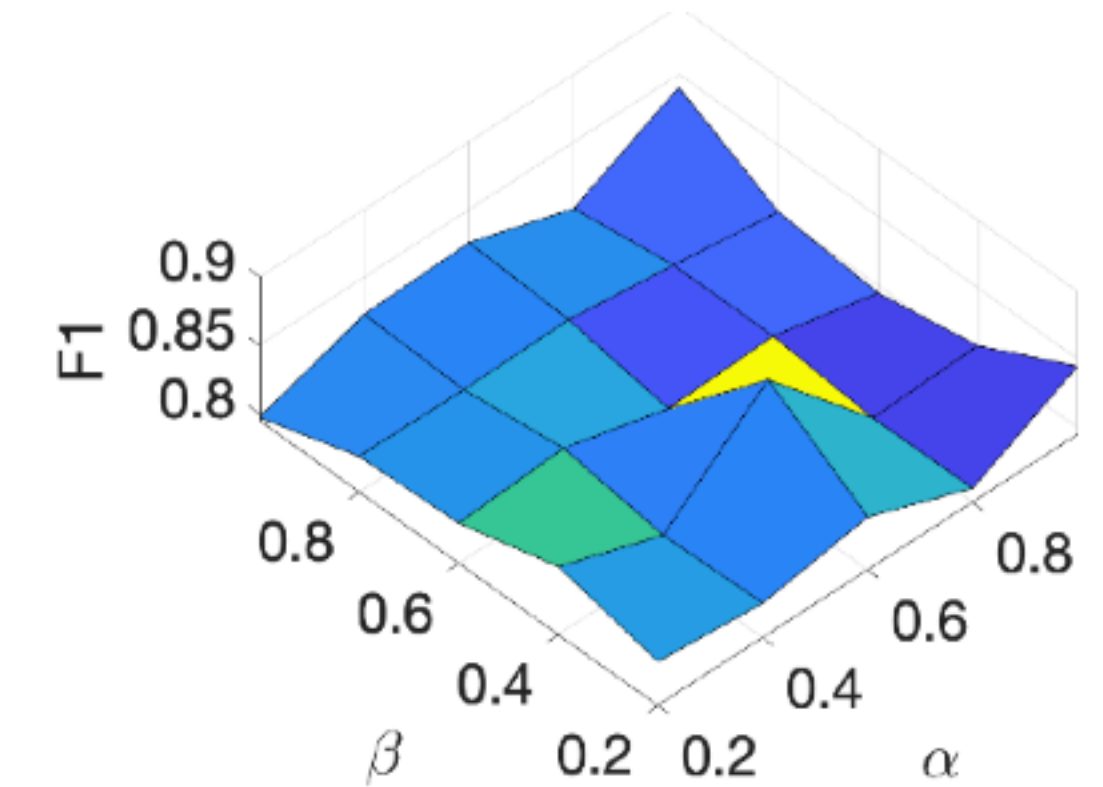
# Experiments

## Parameter Analysis

- The proposed method performs best
  - $\alpha : \beta = 0.4 : 0.6$  in PolitiFact
  - $\alpha : \beta = 0.6 : 0.4$  in GossipCop
- which again validates the importance of both multi-modal information and cross-modal relationship in predicting fake news.



(a) PolitiFact



(b) GossipCop

# 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.