Experiments

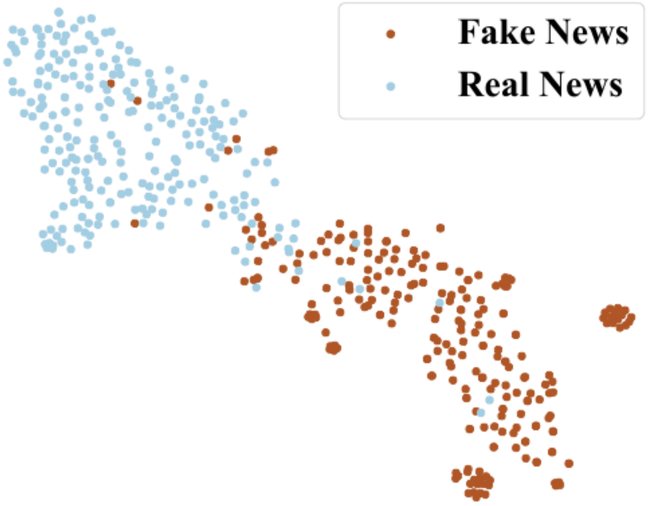
Insight Analysis

- Split the original training dataset consists of news content and reports into two sets:
  - 80% data as the new training set (denoted as D_t)
  - 20% data as the testing set for the same time window setting (denoted as D_s)
  - For the different time window setting, randomly select a subset samples from original testing dataset (denoted as D_d)
- The fake news detector and annotator are first trained on the news content of D_t, and then we separately test the models on D_s and D_d.

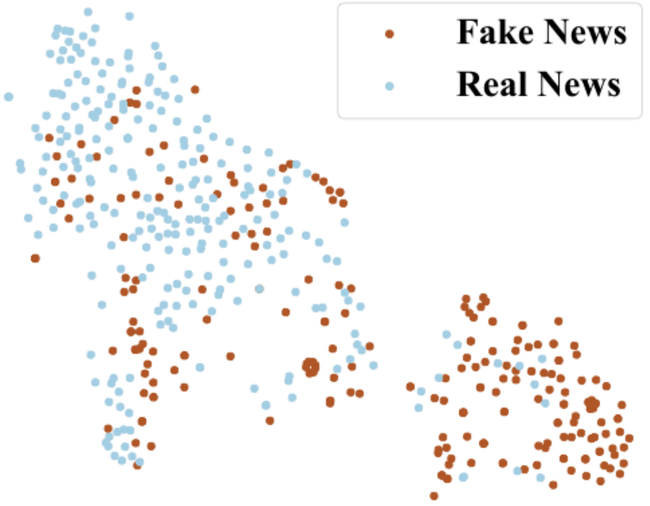
Experiments

Insight Analysis

- Visualizations of latent feature representations on D_s and D_d in t-SNE
  - D_s are very discriminative, and the segregated area between fake and real news is clear
  - D_d are twist together compared with D_s
- This comparison shows the feature representations of news in different time windows are significantly different with each other



(a) Same Time



(b) Different Time