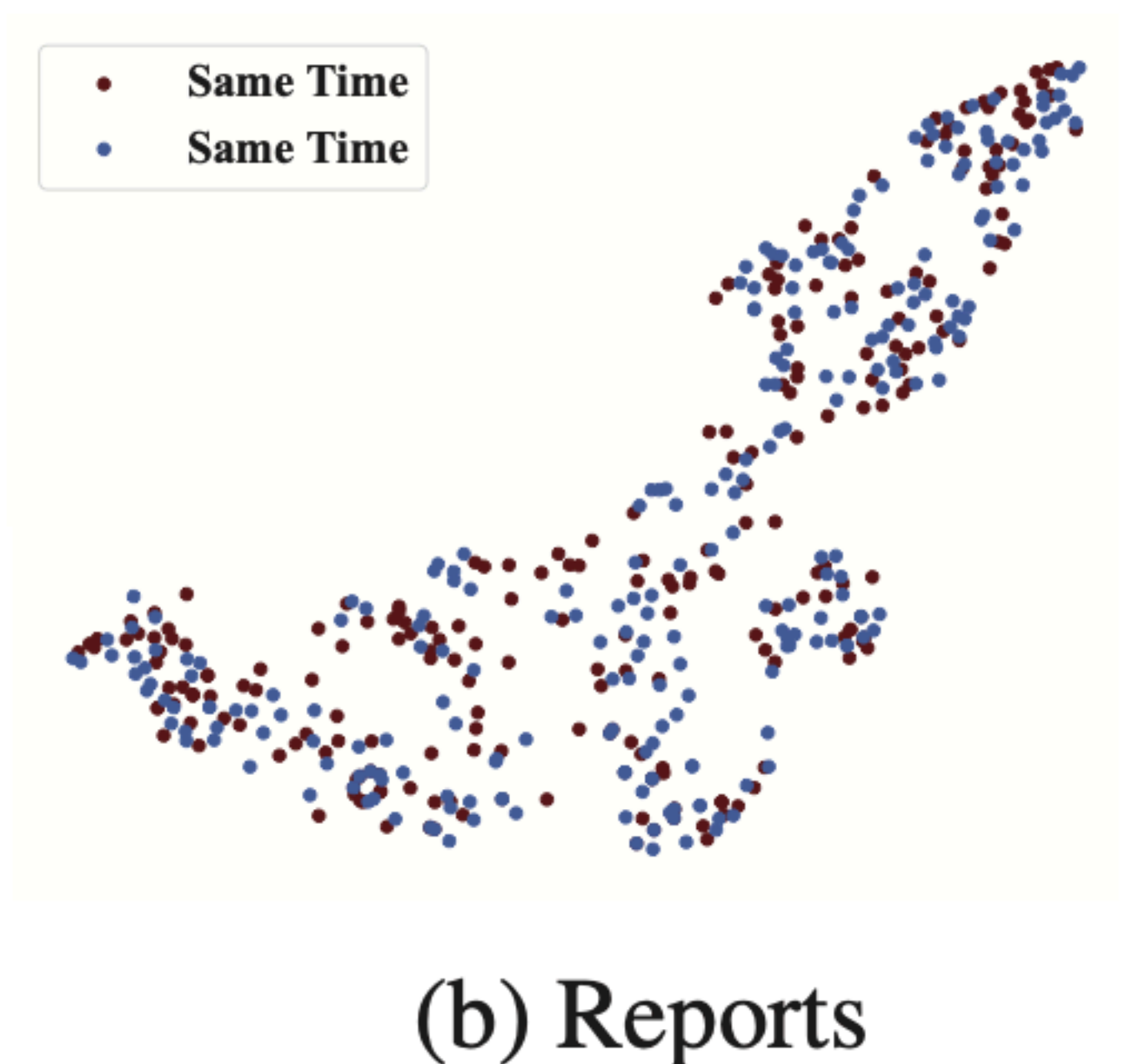
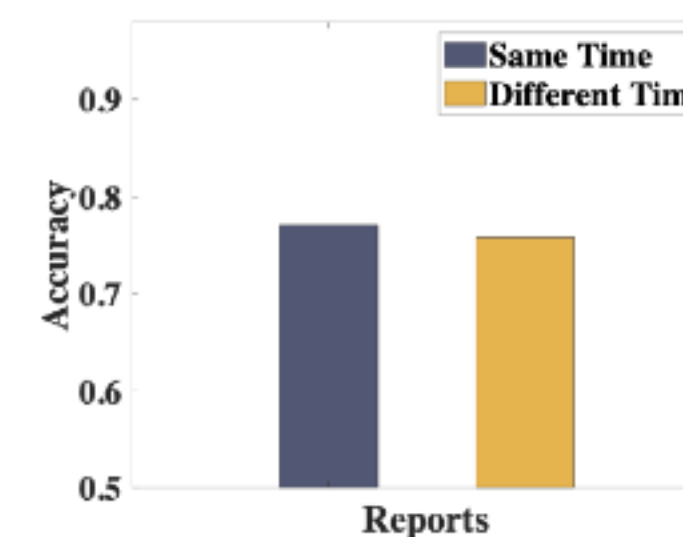
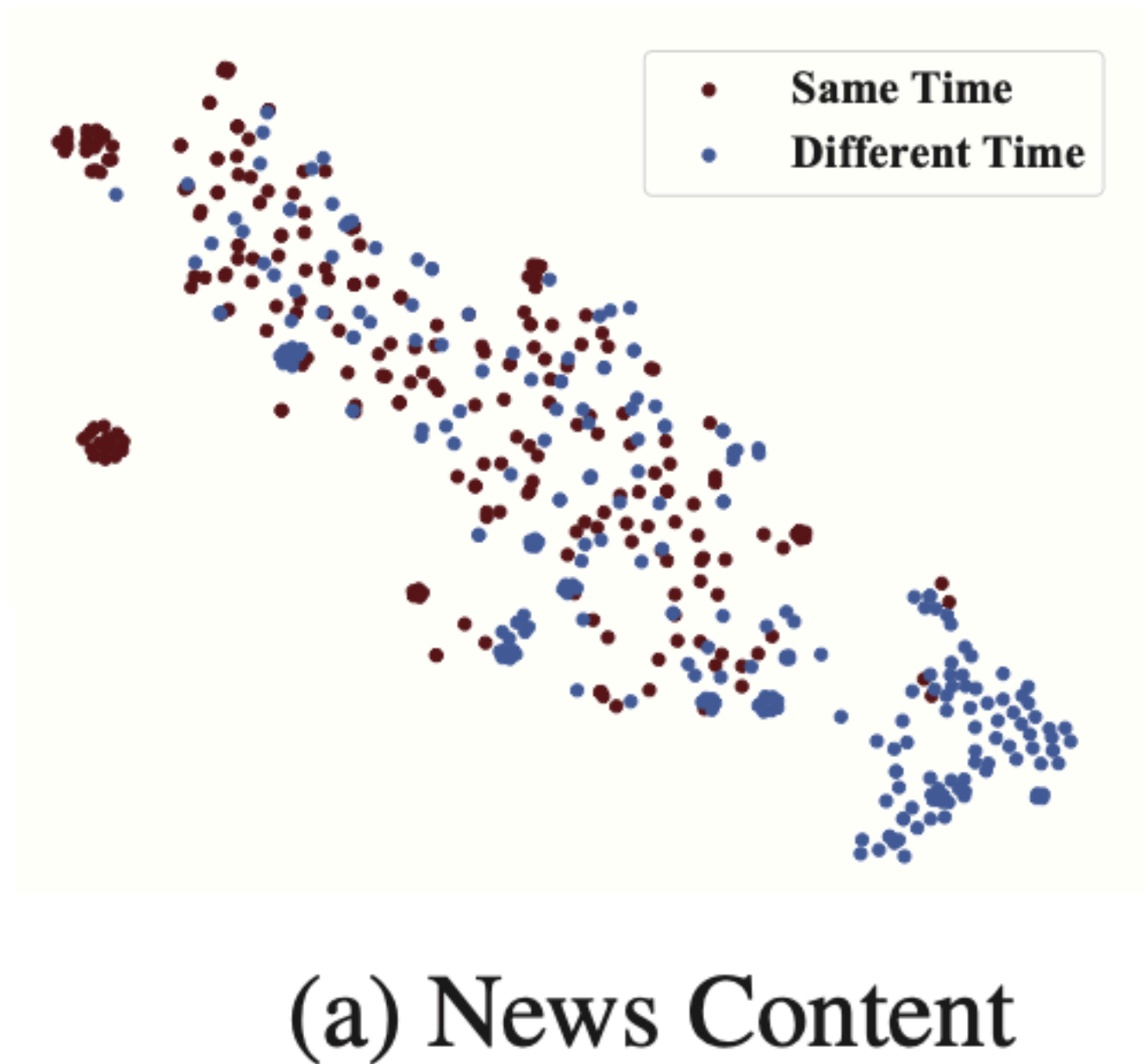
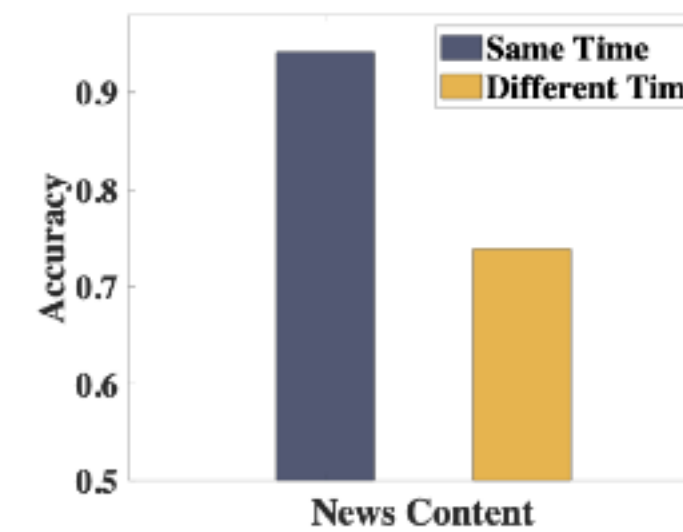


Experiments

Insight Analysis

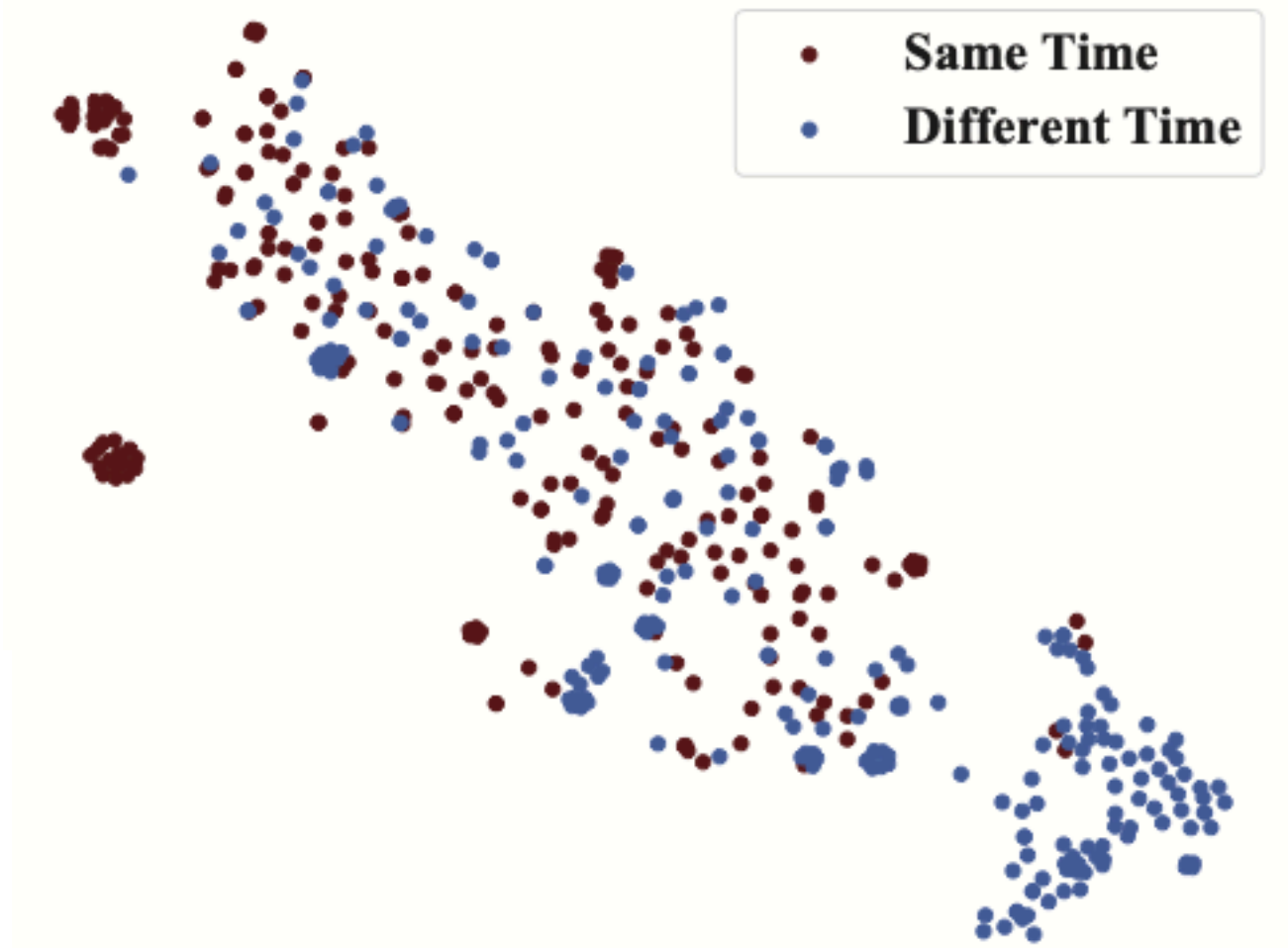
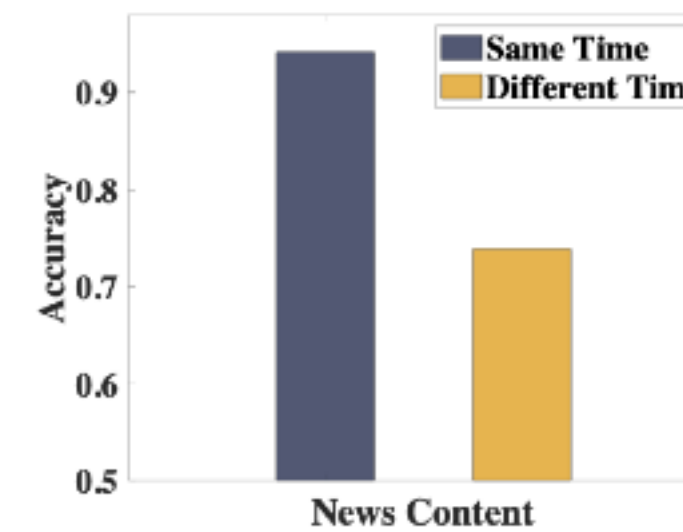
- Although the distributions of news content in the same time set and different time set have overlaps
- The samples from two set are separately clustered at the top left and bottom right corner
- This shows the distribution of news contents changes with time



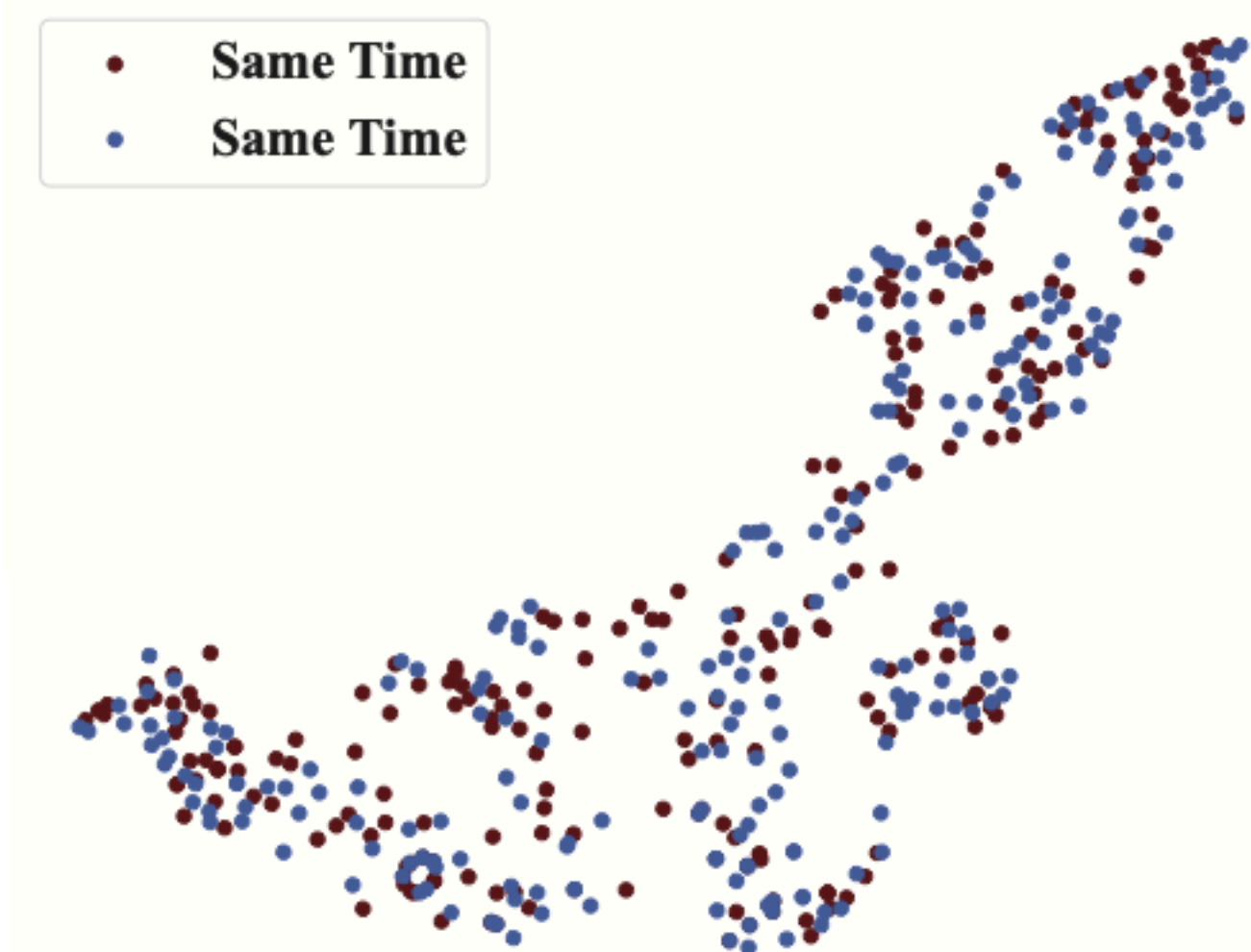
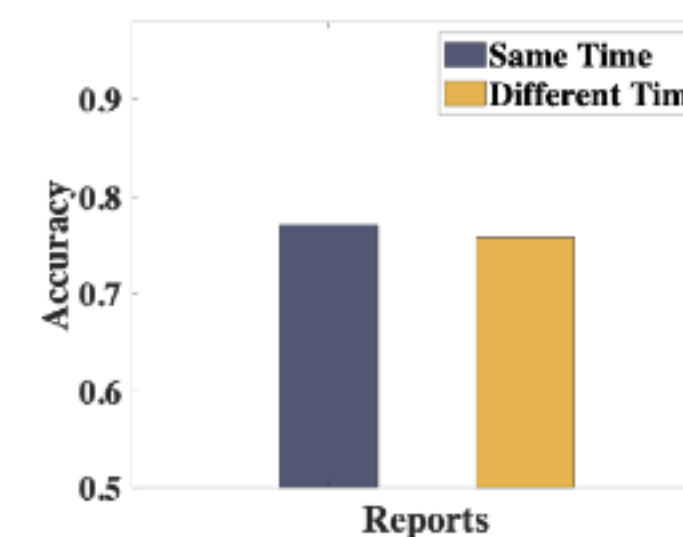
Experiments

Insight Analysis

- In contrast, the representations of report messages from two sets are all twisted and cannot be distinguished
- Proves that the distributions of reports is time invariant and further explains why the model trained on report messages achieves a consistent performance
- Thus, the annotation based on reports can guarantee consistent quality even for fresh news articles



(a) News Content



(b) Reports