Experiments.......
Event Discriminator Analysis

Only Text Feature (Only R_T)

(a) EANN- Text   (b) EANN Text+
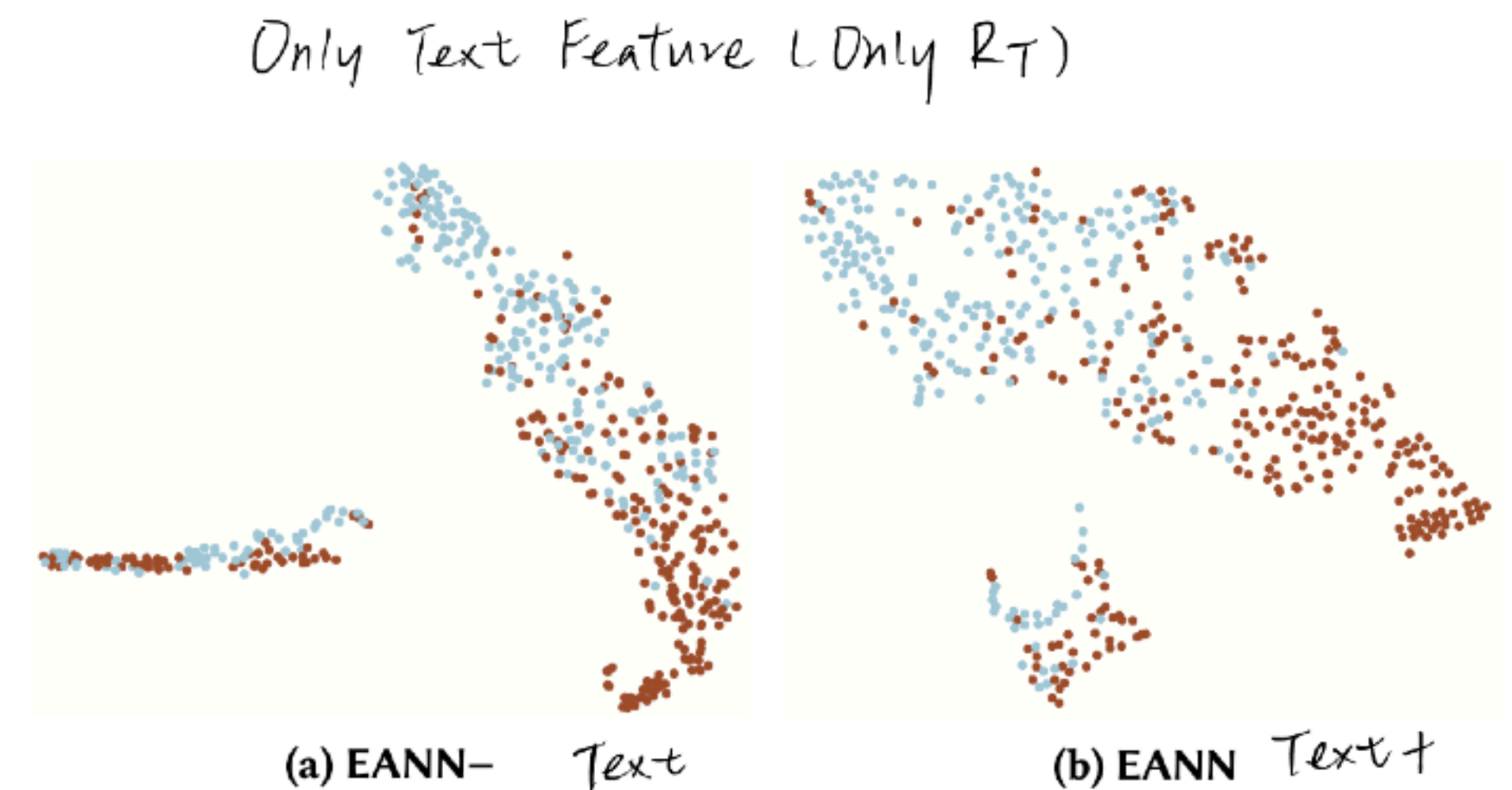
- Qualitatively visualize the text features R_T learned by **EANN-** and **EANN** on Weibo testing set with t-SNE

- **EANN-** can learn discriminable features, but still twisted together, especially left of (a)

- **EANN** are more discriminable, and there are bigger segregate areas among samples with different labels.

  - Prove event discriminator is **<u>effective</u>** and thus **<u>achieves better performance</u>**

Experiments........
Case Studies for Multiple Modalities:
Text Missed

(a) Five headed snake

(b) Photo: Lenticular clouds over Mount Fuji, Japan. #amazing #earth #clouds #mountains

- The text content don't show evidence to identify that the tweets are fake.

- For both of the examples in Figure, they describe the image with common patterns.

- Text model identifies this news as a real one.

- As seen, two attached images look quite suspicious and are very likely to be forged pictures.

- By feeding visual and texture into EANN, both tweets are classified as fake with high confidence scores.