Experiments.....

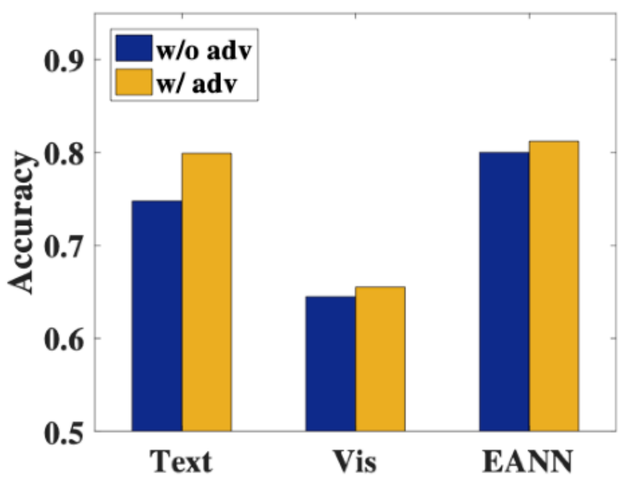
Performance Comparison: Weibo Dataset

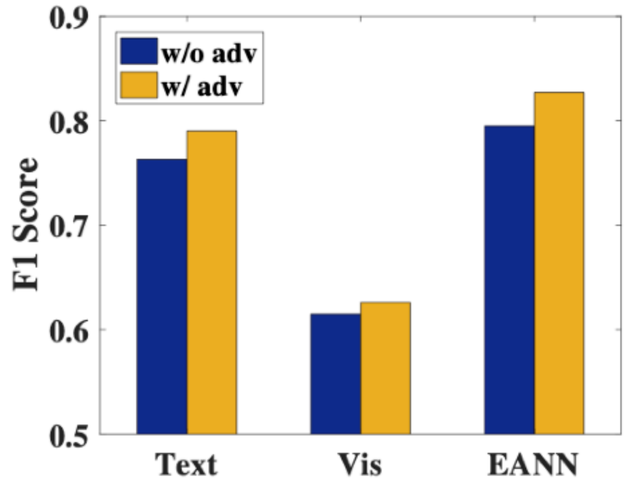
Method	Accuracy	Precision	Recall	F1
Text	0.763	0.827	0.683	0.748
Vis	0.615	0.615	0.677	0.645
VQA	0.773	0.780	0.782	0.781
NeuralTalk	0.717	0.683	**0.843**	0.754
att-RNN	0.779	0.778	0.799	0.789
EANN-	0.795	0.806	0.795	0.800
EANN	**0.827**	**0.847**	0.812	**0.829**

- **EANN-** is better than all multi-modal approaches on Weibo dataset
  - Since length of each post is relatively short (<140 characters), Text-CNN may capture more local representative features.
- **EANN** compared with **EANN-**
  - Can conclude that using event discriminator component indeed improves the performance of fake news detection

Experiments.....

Event Discriminator Analysis





- Both accuracy and F1 score of **Text+** and **Vis+** are greater than those of **Text** and **Vis.**
- **EANN-** vs. **EANN** already discuss before
- Thus we can draw a conclusion that incorporating event discriminator is essential and effective for the task of fake news detection.