

Conclusions

- Proposed a **GCN-based** model of rumor detection on social media, called Bi-GCN.
- Bi-GCN achieves the best performance by considering both
 - **Causal features of rumor propagation** along relationship chains from top to down propagation pattern
 - **Structural features of rumor dispersion** within communities through the bottom-up gathering.
- Improve the effectiveness of the model by **concatenating the features of the source posts** after each GCL of GCN.

Comments

of Bi-GCN

- Consider the dispersion of rumor as feature for learning representation.
- Effective on root feature enhancement.
- RNN+CNN baseline Twitter dataset is awful.
- About event label on Twitter dataset, the unverified rumor and non-rumor may confused during the training.
- Using top-5000 words to get TF-IDF value as representation not informative.
- Competition baseline little outdated and not seen other GCN-based model.