Introduction

Conventional detection methods

- These method mainly rely on feature engineering
  - Very time-consuming and labor-intensive
- Hand-crafted features are usually lack of high-level representation extracted from the propagation and the dispersion of rumors

Introduction

Recent Studies

- Exploited deep learning methods that mine high-level representations from propagation path/trees or networks to identify rumors.
  - LSTM, GRU, RvNN(Recursive Neural Networks)
    - Capable to learn sequential features from rumor propagation along time
- These approaches only pay attention on sequential features from propagation of rumors but neglect the influences of rumor dispersion.
- The structures of rumor dispersion also indicate some spreading behaviors of rumors.