Outline

Introduction

Problem Formulation

Preliminary Work

Methodology

Experiments

Case Study

Conclusions

Comments

Introduction
Task Challenges

- Despite the success of deep learning models with large amounts of labeled datasets, the algorithms still suffer in the cases where fake news detection is needed on emergent events.

- Adding the knowledge from newly emergent events requires to build a new model from scratch or continue to fine-tune the model on newly collected labeled data.

  - Be challenging, expensive, and unrealistic for real-world settings.

- How to leverage a small set of verified posts to make the model learn quickly to detect fake news on the newly-arrived events is a crucial challenge.