

Introduction

Graphical models

- This allows the representation of heterogeneous entities to be dependent, leveraging not only **fake news detection** but also related social analysis tasks such as **malicious user detection** and **source factuality prediction**.
- FANG focuses on improving contextual fake news detection by **enhancing representations of social entities**.

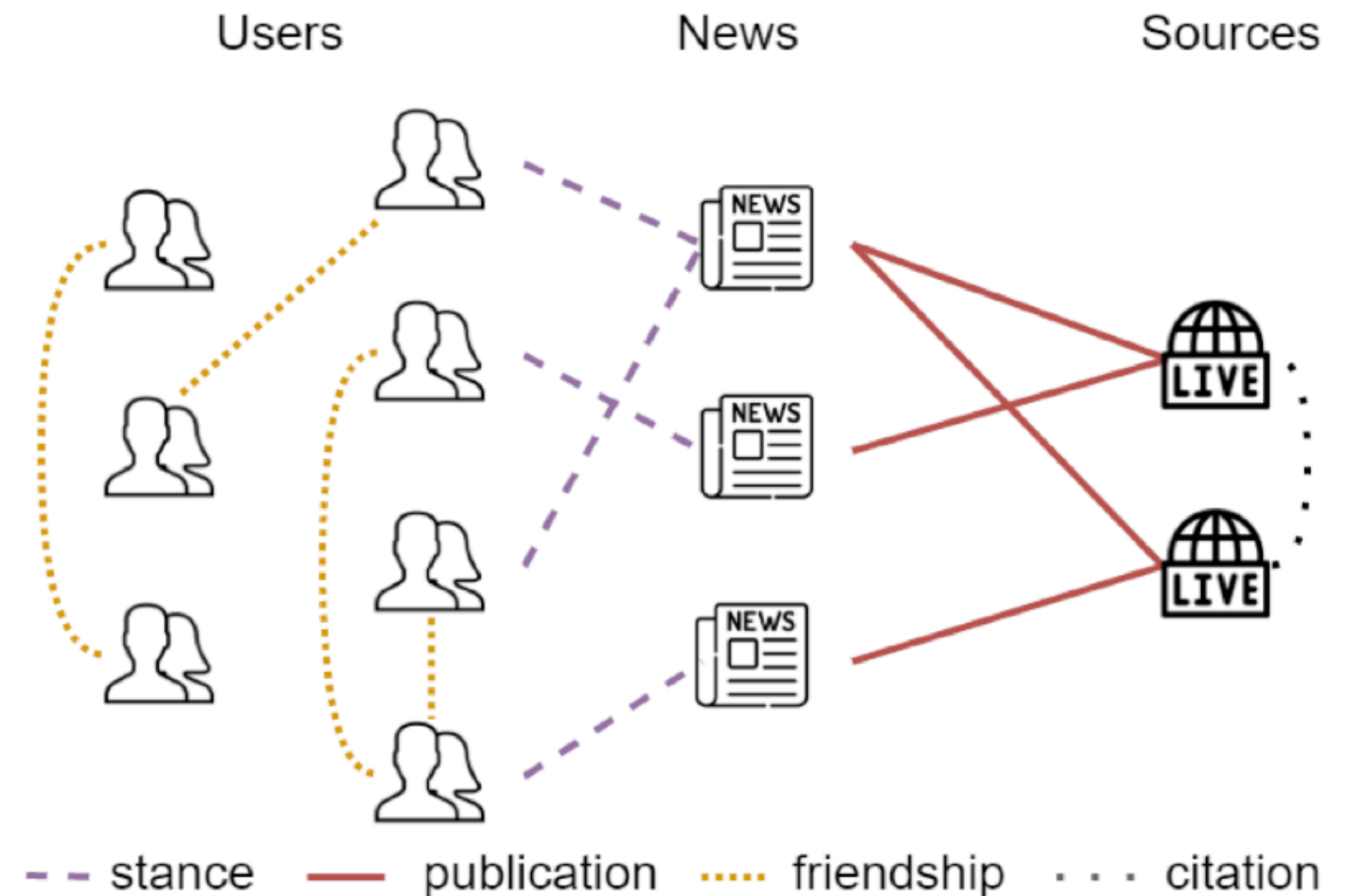


Figure 1: Graph representation of social context.

Introduction

Contributions

- **Novel graph representation** that models all major social actors and their interactions.
- **Factual News Graph (FANG)**, an inductive graph learning framework
 - Capture the **social structure** and **engagement patterns** to improve representation quality
 - Robust given **limited training labels**
 - **Generalizable** to related credibility assessment tasks (i.e., predicting the factuality of a news medium)