

Introduction

Components in MetaFEND

- Incorporate two novel components
 - Label embedding
 - Handle **categorical characteristic** of label information.
 - Hard attention
 - Extract the **most informative instance as conditioning** despite imbalanced class distribution of news events.

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Contributions of MetaFEND

- Recognize the challenges of fake news detection **on emergent events** and formulate the problem into a **few-shot learning setting**.
- Proposed MetaFEND to detect fake news on emergent events with a handful of data instances by fusing the **meta-learning method** and **neural process models** together via a simulated learning task design.
- Also propose **label embedding** and **hard attention** to handle categorical information and select the informative instance respectively.