**Group No.: G04**

**Group Members:**

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**Reference Paper Title:**

Multi Source Multi Class Fake News Detection

**Authors:**

Hamid Karimi, Proteek Chandan Roy, Sari Saba-Sadiya, and Jiliang Tang

**Summary of the paper in your own words:**

Fake news spreading through media outlets poses a real threat to the trustworthiness of information

and detecting fake news has attracted increasing attention in recent years. Most of it is written to mislead readers, which determines that fake news detection merely based on news content is tremendously challenging. Meanwhile, fake news could contain true evidence to mock true news and presents different degrees of fakeness, which further exacerbates the detection difficulty.

In this survey paper we are introduced to approaches to combine information from multiple sources and to discriminate between different degrees of fakeness, and propose a **Multi-Source Multi-class Fake News Detection framework (MMFD)**, which combines automated feature extraction, multi-source fusion and automated degrees of fakeness detection into a coherent and interpretable model. Experimental results on the real-world data demonstrate the effectiveness of the proposed framework and extensive experiments are further conducted to understand the working of the proposed framework.

**Work done so far (you may use more space if required):**

* We have gathered datasets of news that are assumed to be fake or don’t have much credibility.
* We are learning possible algorithms and other mathematical techniques that would be used in our project.
* We have downloaded sample python programs and are still exploring the NLTK components.
* We have surfed through other survey articles related to this topic.

**Plan of work for rest of the semester including who will do what:**

At the moment, we are still researching further into this topic and have a lot to learn before we come up with a concrete plan.

Aman Khandelwal 🡪 Mathematics, Python

Sagnik Mitra 🡪 Statistics, ML

Shashwat Shah 🡪 NLTK