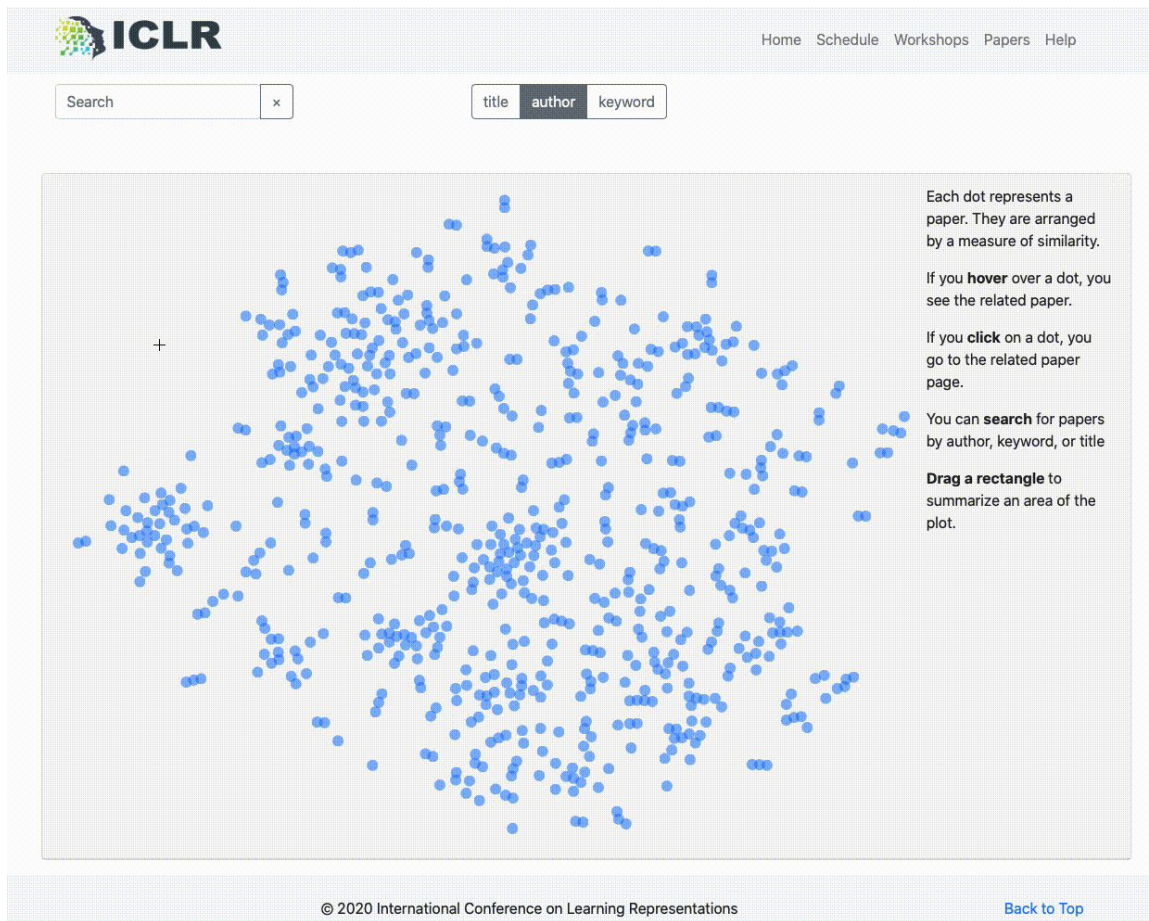


# Literature Survey Assistant

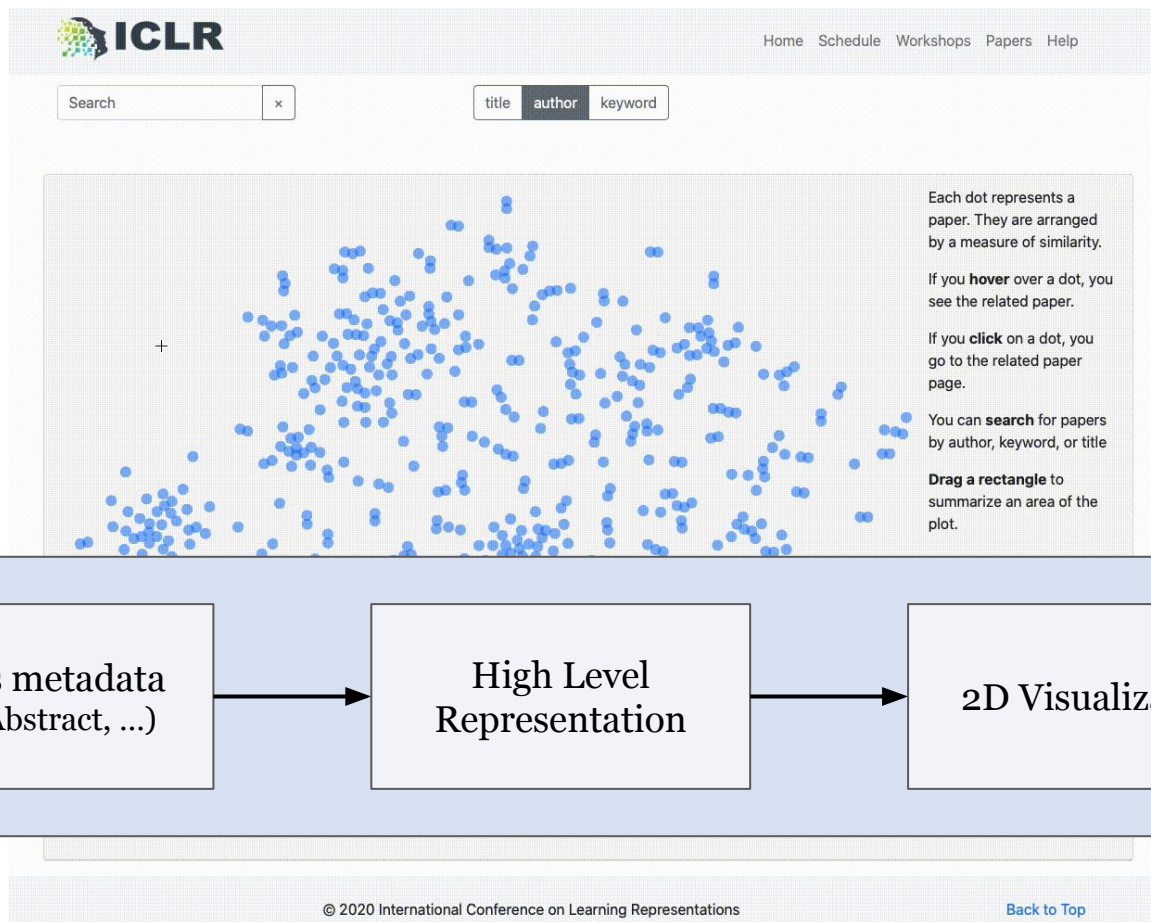
Group: Siddhesh Khandelwal, Shih-Han Chou, Raghav Goyal

# Motivation



Complete visualization can be found at: [https://iclr.cc/virtual\\_2020/paper\\_vis.html](https://iclr.cc/virtual_2020/paper_vis.html)

# Motivation



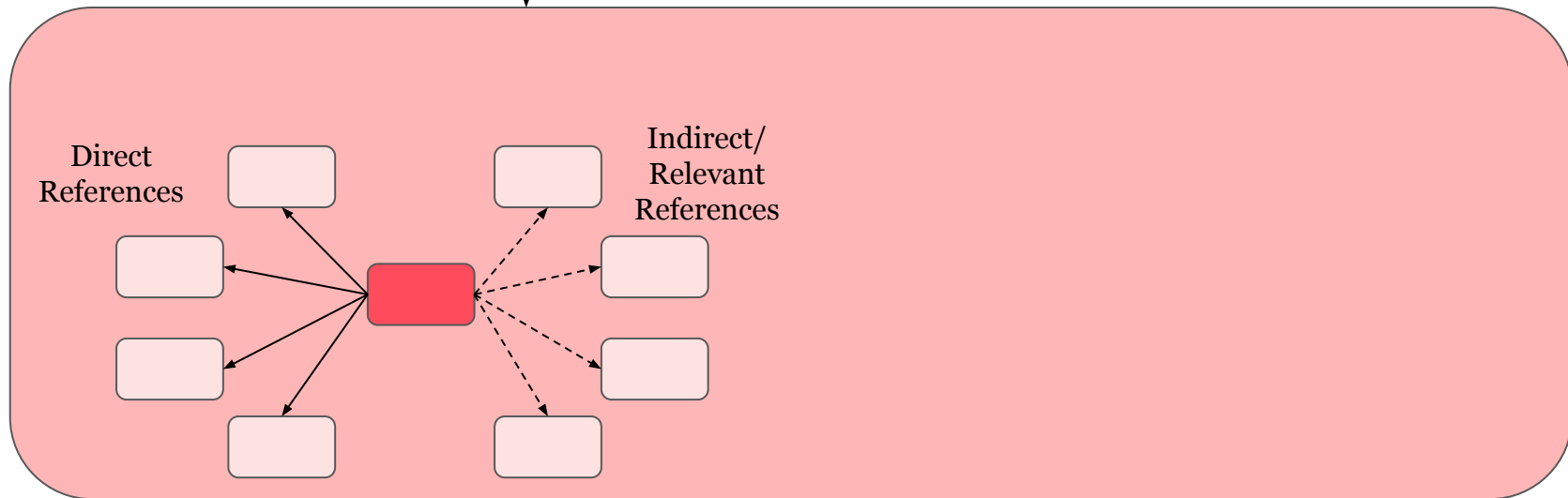
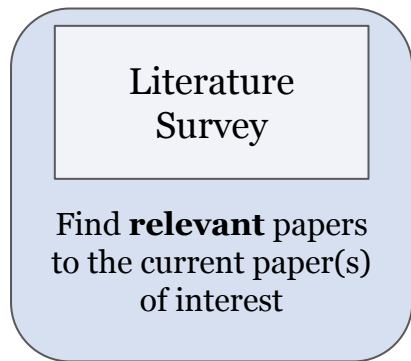
Complete visualization can be found at: [https://iclr.cc/virtual\\_2020/paper\\_vis.html](https://iclr.cc/virtual_2020/paper_vis.html)

# Idea

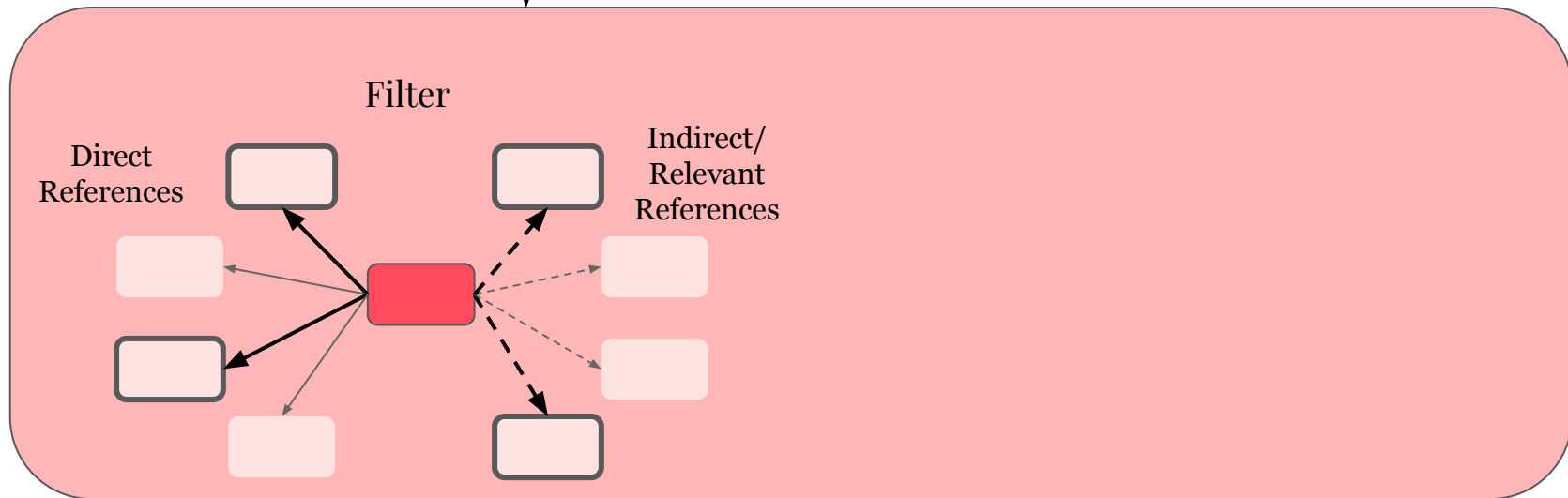
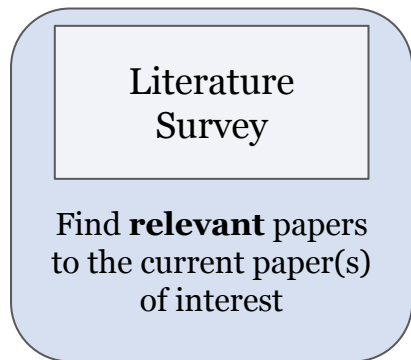
Literature  
Survey

Find **relevant** papers  
to the current paper(s)  
of interest

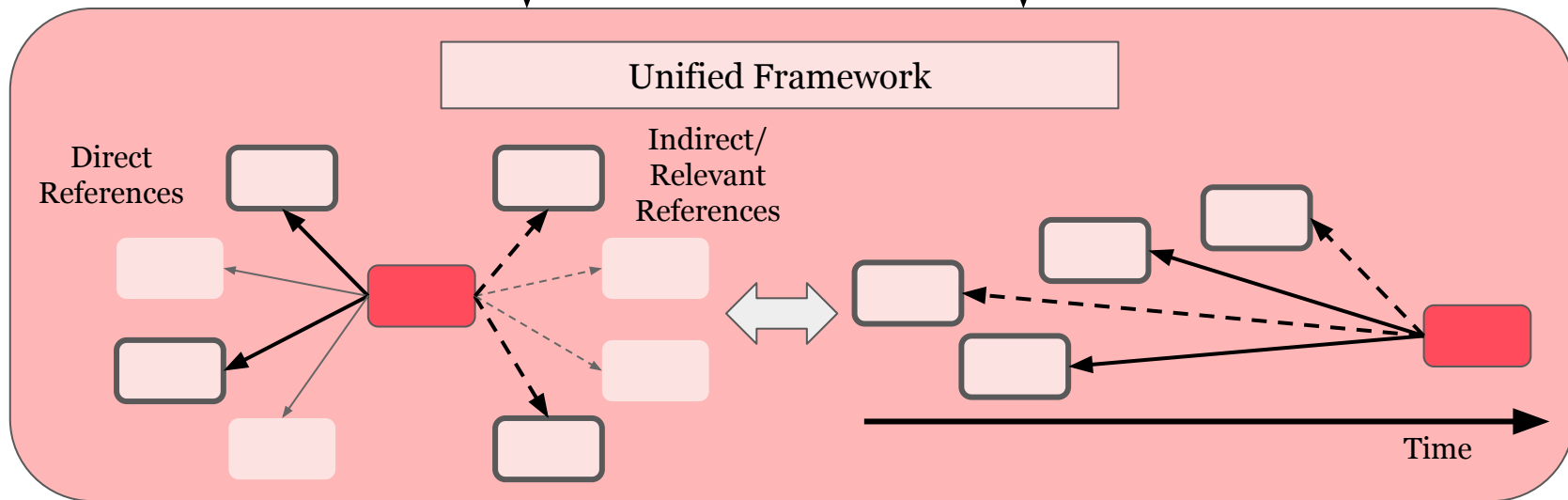
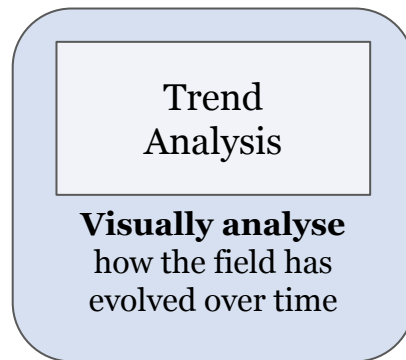
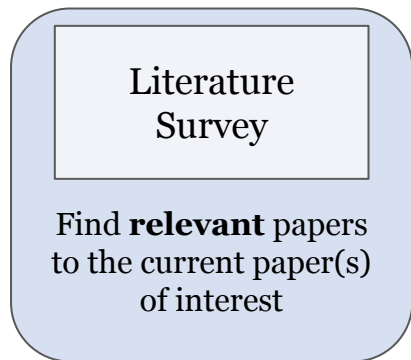
# Idea



# Idea

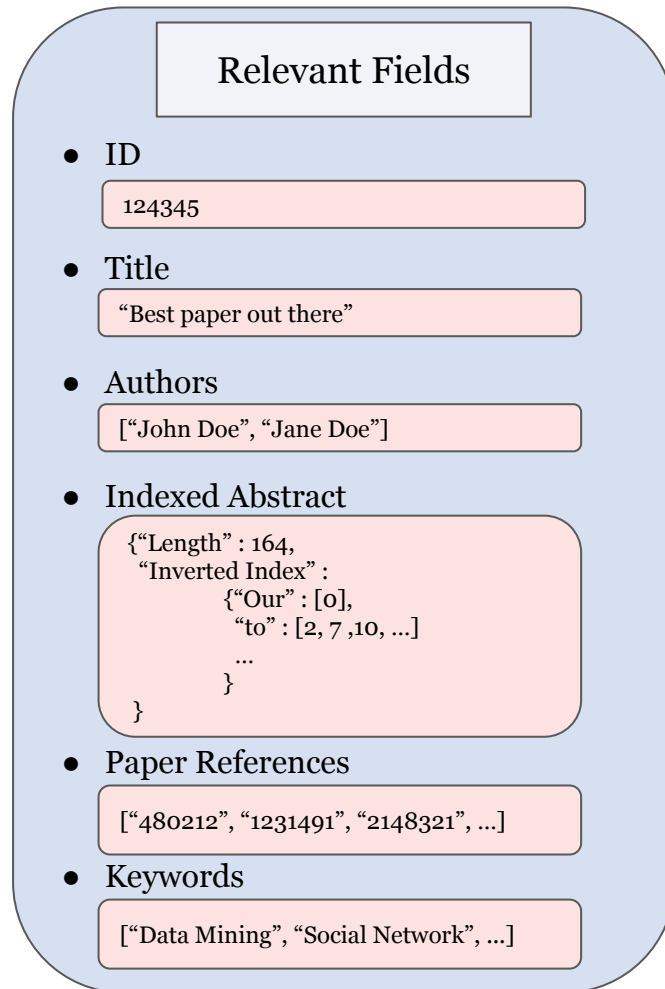


# Idea



# Dataset

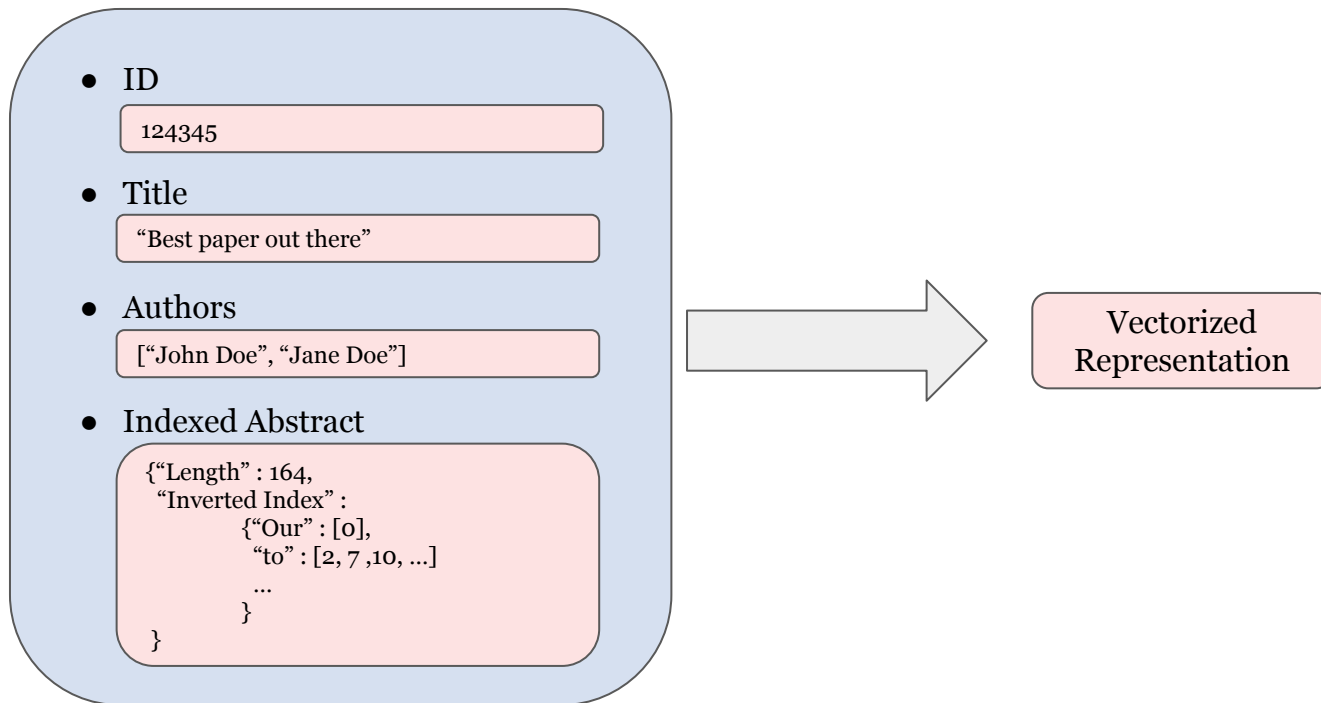
- DBLP Citation Network Dataset
  - **4,894,081** papers
  - **45,564,149** citation relationships





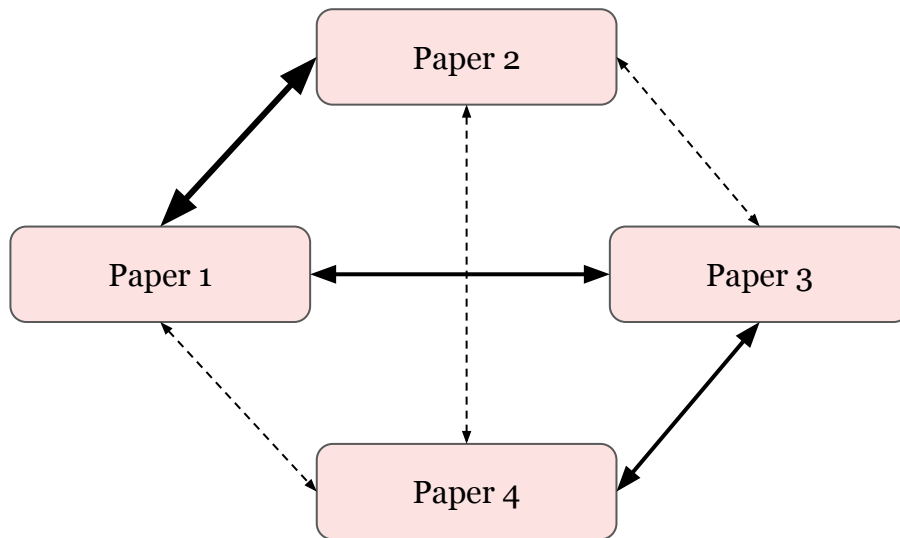
# Proposed Approach

- Convert each paper into a vector representation (maybe using **Word2Vec**)



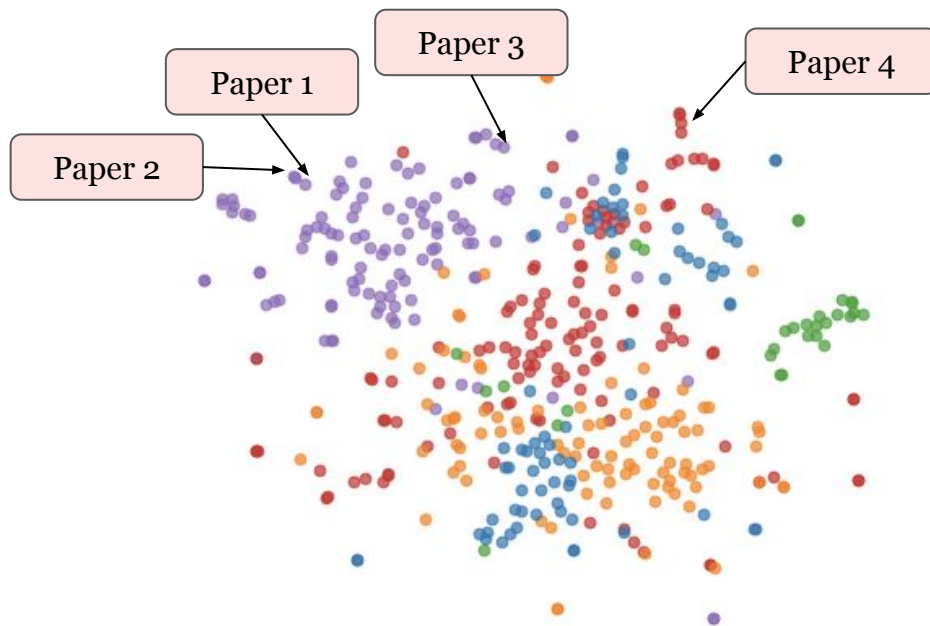
# Proposed Approach

- **Compute similarity** between papers using this vectorized representation



# Proposed Approach

- **Project** these vectorized representations into 2D space using t-SNE



Thank you