

# Toward identifying mis-citations in scientific papers



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## Example of mis-citation

### Citing Paper

Authors  
.....  
.....The collection of  
arranged circumstances in  
compliance with leaf of the  
regression tree is represented  
by the root of the regressive  
trees (*Iqbal, M. et al., 2021;*  
*Vickers, 2017*).

( Citation Context )

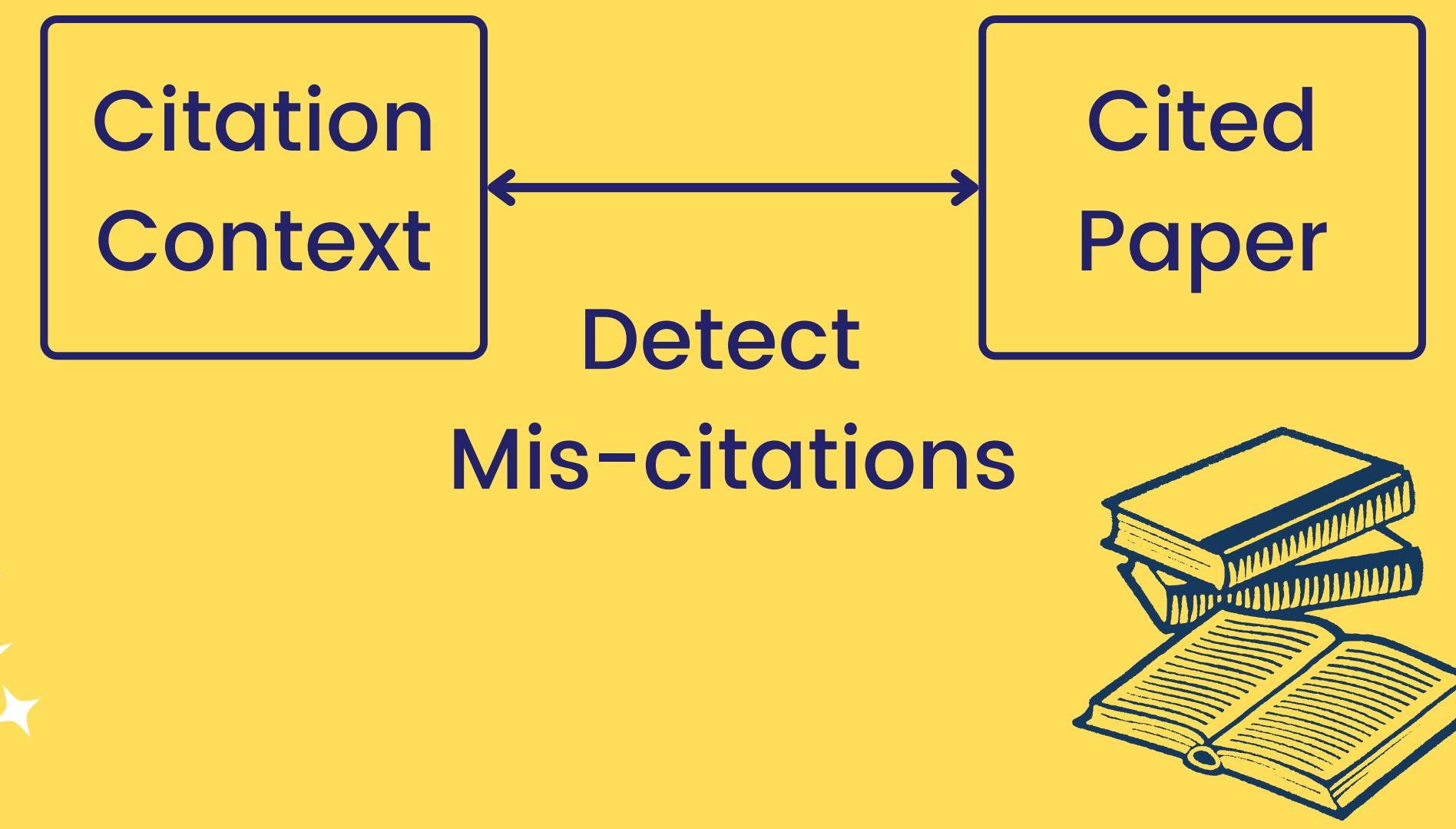
### Cited Paper

*Vickers 2017*

Male moths compete to arrive first at a female releasing pheromone. A new study reveals that additional pheromone cues released only by younger females may prompt males to avoid them in favor of older but more fecund females.

( Abstract )

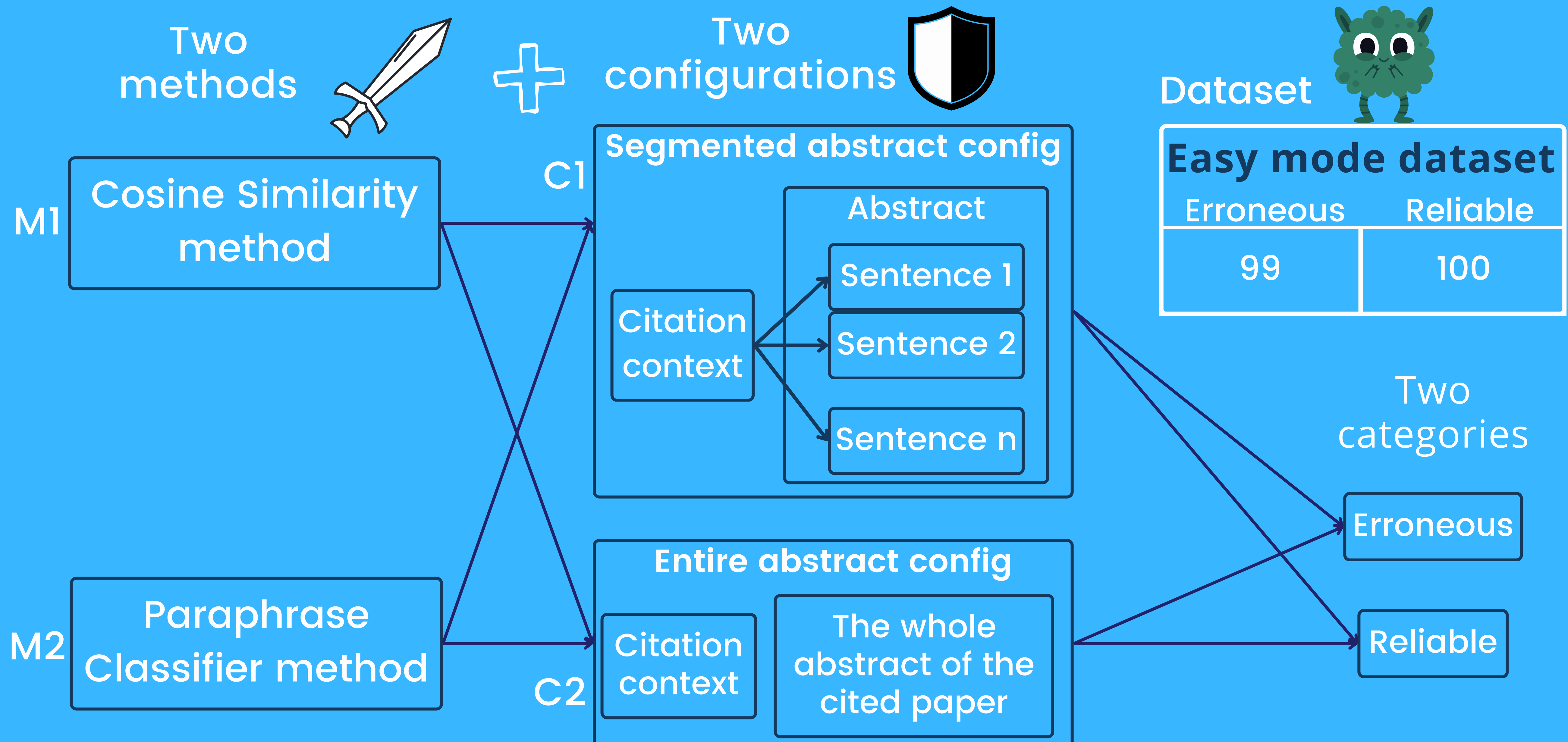
## Objective



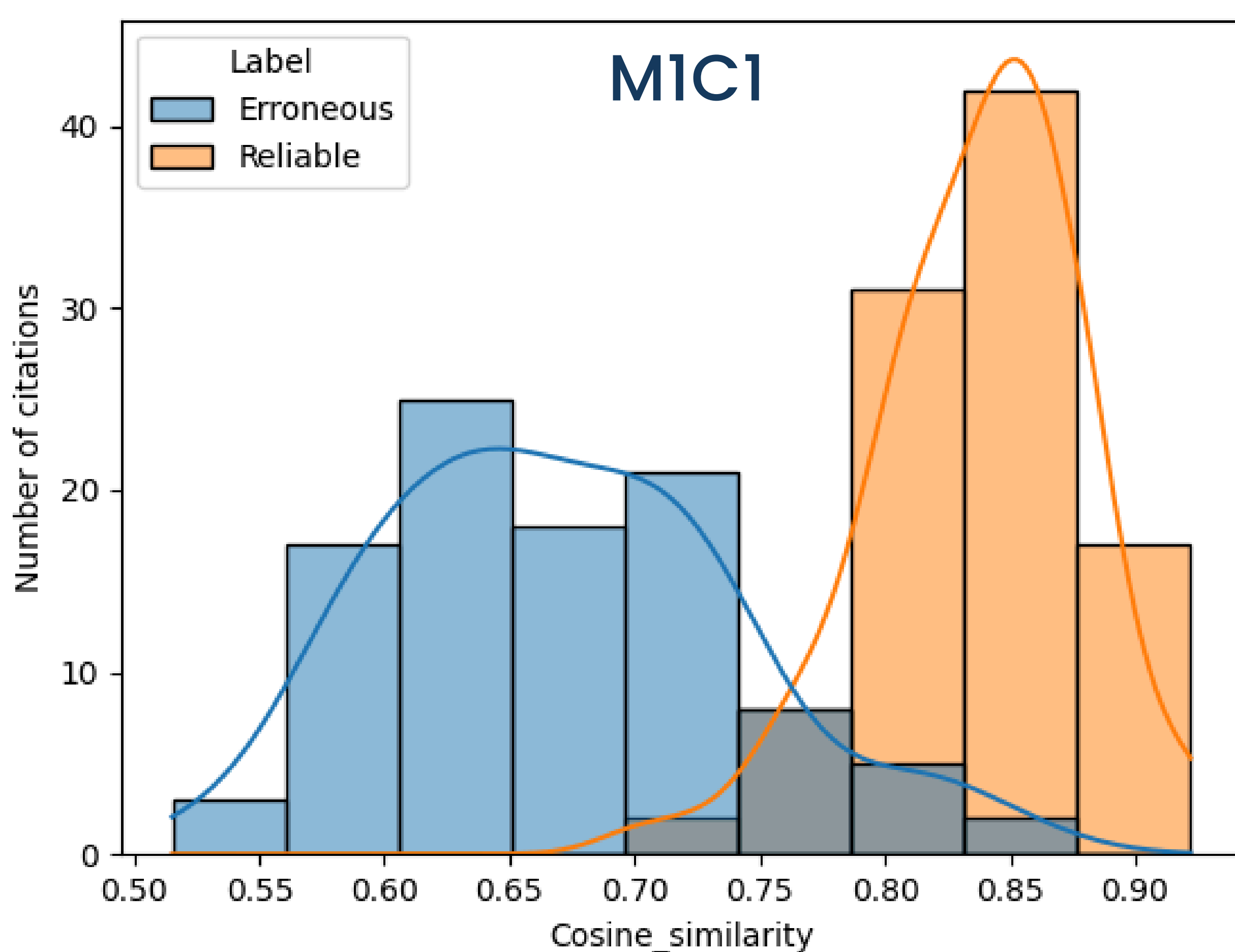
## Problematic

- What is a mis-citation ?
- How to verify if a citation is erroneous ?
- Build a dataset

## Methodology ( Feasibility Test )



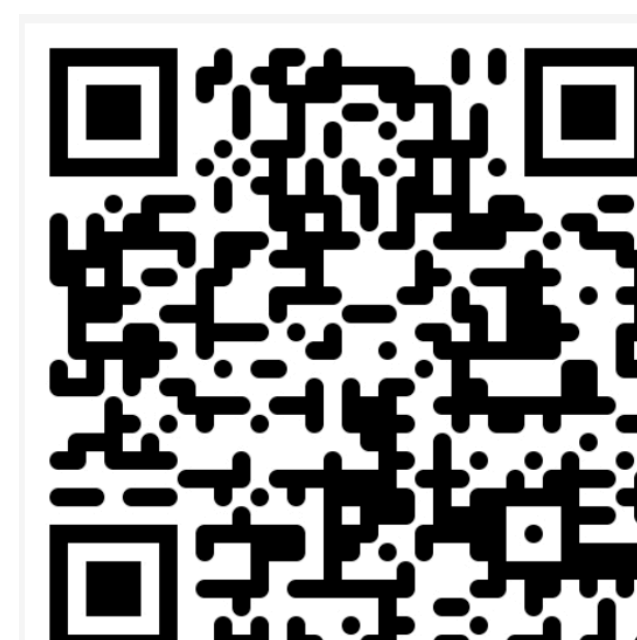
## Feasibility Test Result



## Furture Work

- Expand datasets
- Get more citation categories
- Fine-tune classifier using our citation data
- Resolve number, negation extraction problems

BIR 2024 (Check our paper for more information)



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