ARTICLES?



Marco Ciccalè Baztán Jorge Martín Izquierdo Mª Gloria Cumia Espinosa de los Monteros



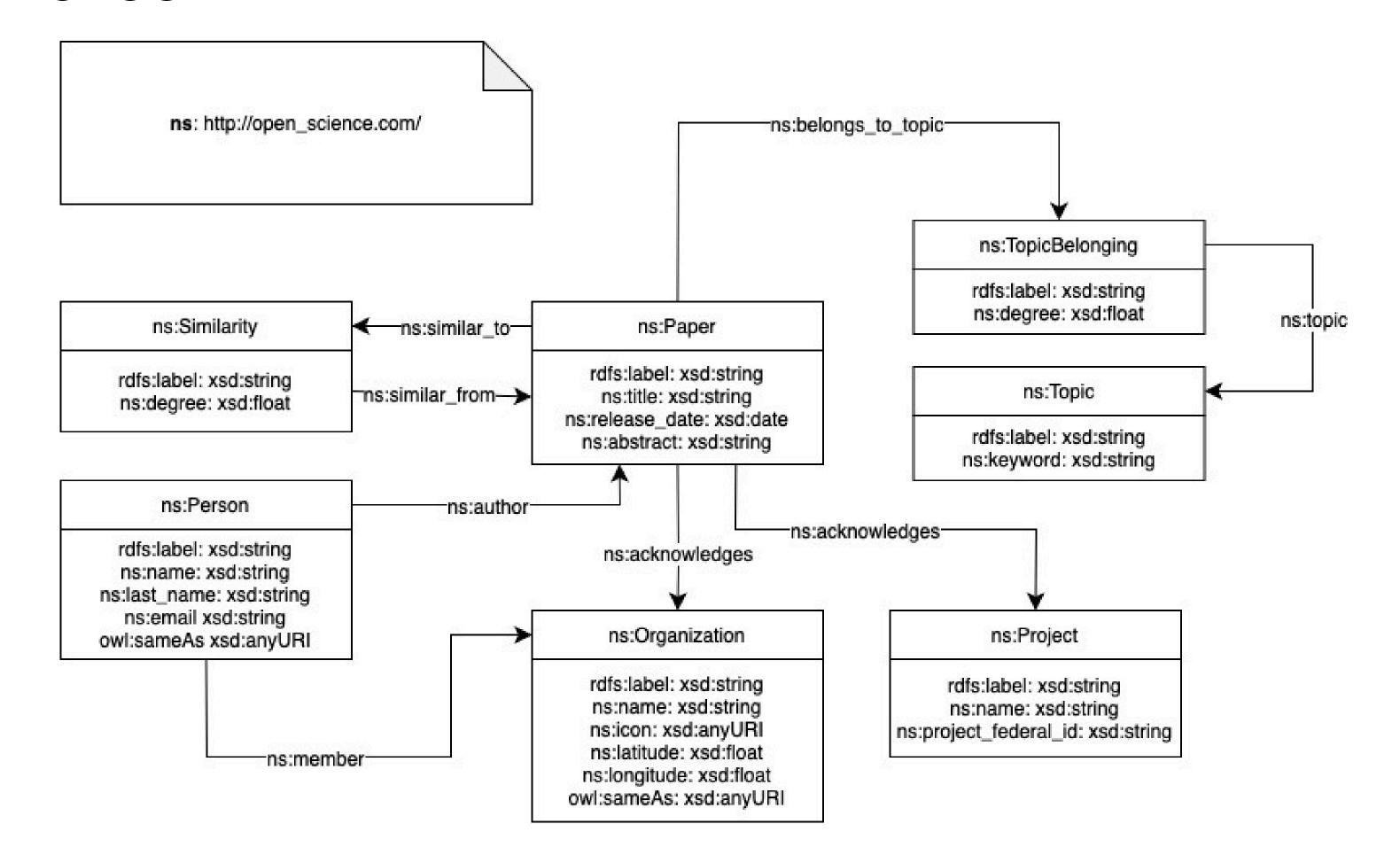
ARTICLE'S GRAPH

https://github.com/JorgeMIng/Article_Graph

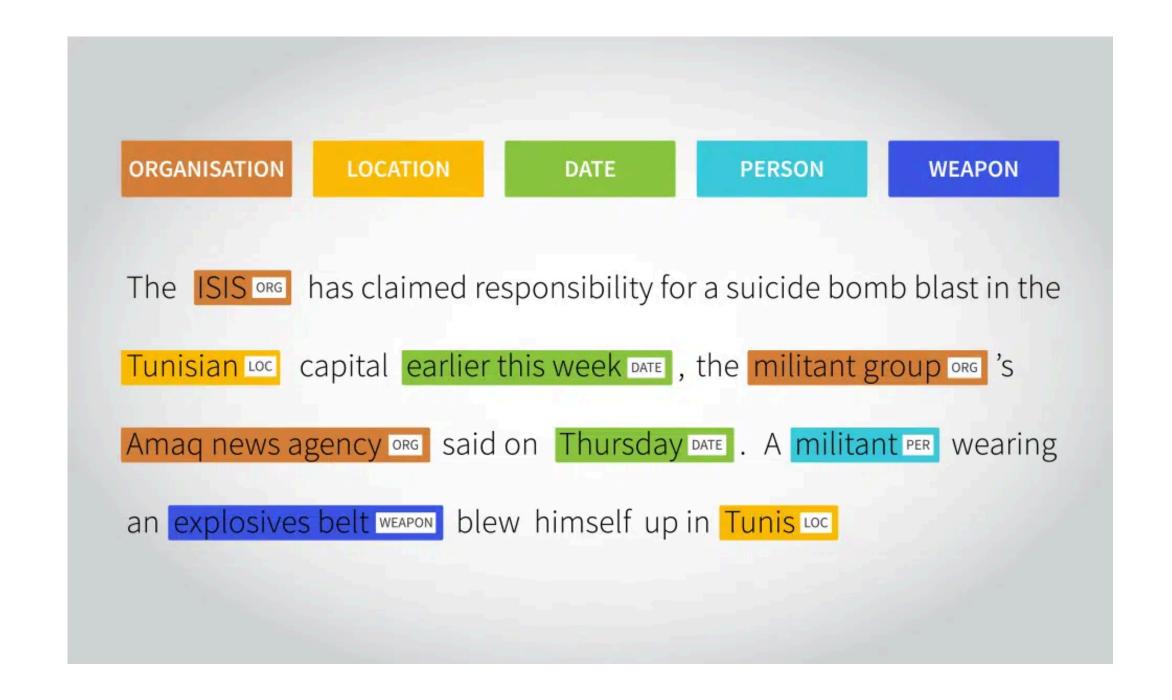
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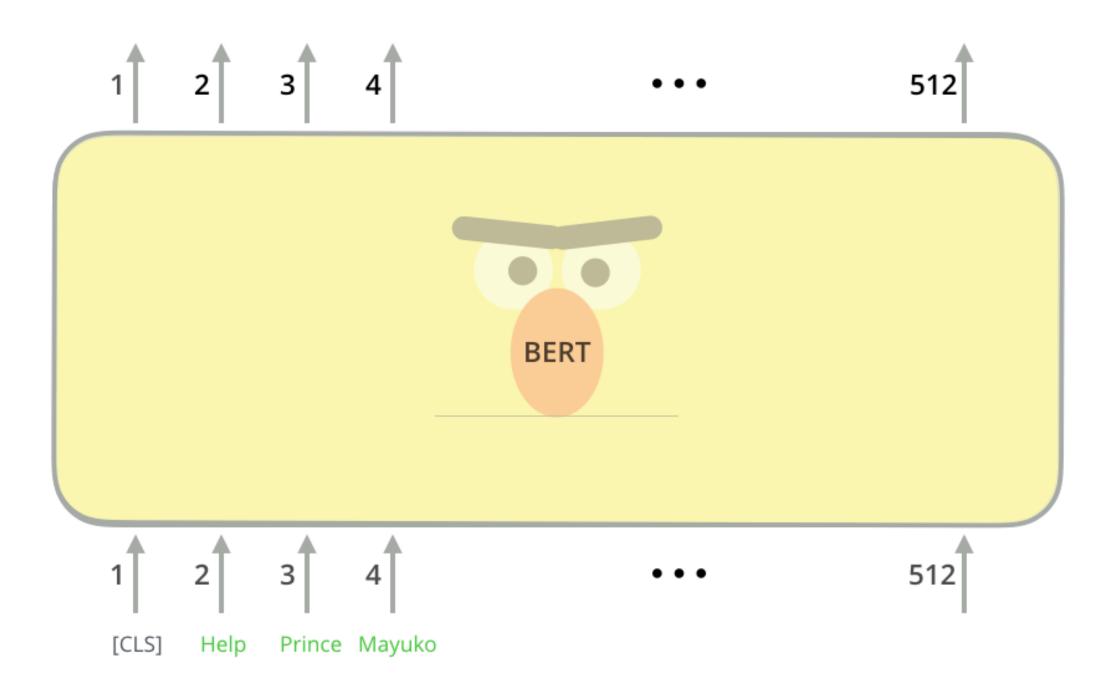
ONTOLOGY



NER



NER



PROJECTS

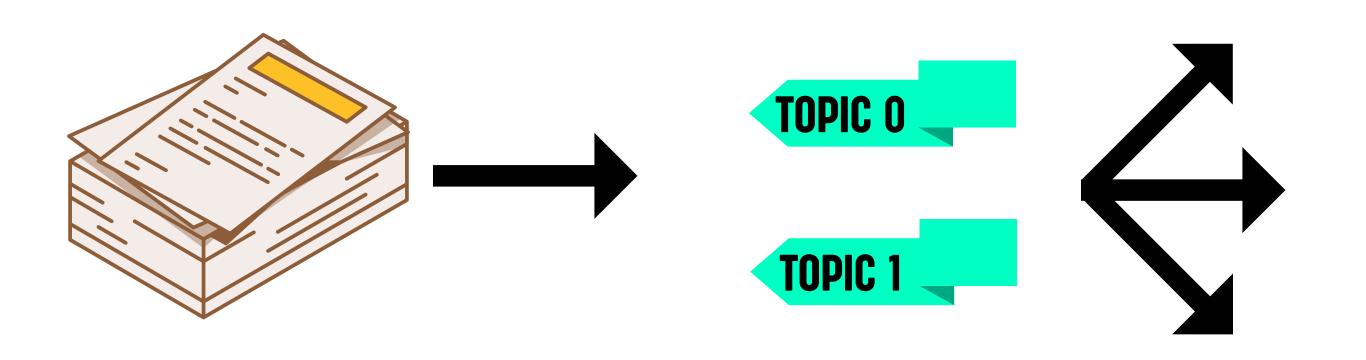
```
    regex_patterns = {
        "NIH": r'(?:#)?\b[1-9][A-Z\d]{3}[A-Z]{2}\d{6}(?:-[AS]?\d+)?\b',
        "DOD": r'(?:#)?\b[A-Z\d]{6}-\d{2}-[123]-\d{4}\b',
        "NASA": r'(?:#)?\b(?:80|NN)[A-Z]+\d{2}[A-Z\d]+\b',
        "Education": r'(?:#)?\b[A-Z]+\d+[A-Z]\d{2}[A-Z\d]+\b',
        "Universal":r'[A-Z]{3,}[0-9]+-[0-9]+'
}
```

TOPIC MODELING



TOPIC 0: 0.9987

TOPIC 1: 0.0080



TOPIC 0: 0.0058
TOPIC 1: 0.9765

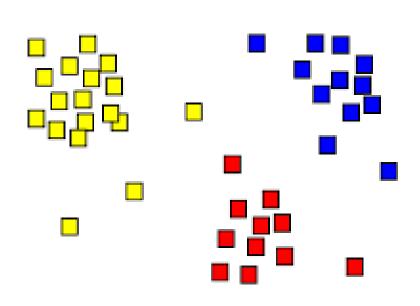
LATENT DIRICHLET ALLOCATION (LDA)

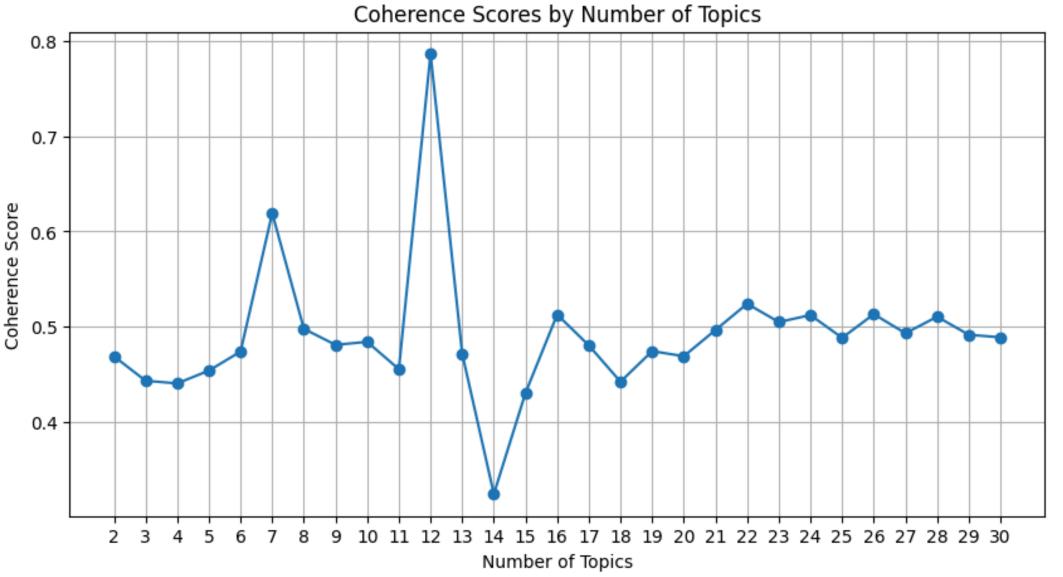


TOPIC 0: 0.9659

TOPIC 1: 0.0010

TOPIC MODELING





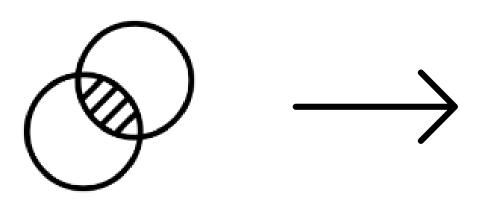
```
> Topic 0: ['investigación', 'resultados', 'poder', 'producción', 'doctoral', 'autor', 'presenta']
> Topic 1: ['investigación', 'resultados', 'poder', 'producción', 'doctoral', 'autor', 'presenta']
> Topic 2: ['investigación', 'resultados', 'poder', 'producción', 'doctoral', 'autor', 'presenta']
> Topic 3: ['escape', 'rates', 'nonmonotonic', 'increases', 'function', 'size', 'atmospheric']
> Topic 4: ['investigación', 'resultados', 'poder', 'producción', 'doctoral', 'autor', 'presenta']
> Topic 5: ['the', 'of', 'and', 'to', 'we', 'in', 'is']
> Topic 6: ['the', 'of', 'and', 'to', 'we', 'in', 'is']
> Topic 7: ['investigación', 'resultados', 'poder', 'producción', 'doctoral', 'autor', 'presenta']
> Topic 8: ['and', 'the', 'of', 'to', 'in', 'this', 'tourism']
> Topic 9: ['investigación', 'resultados', 'poder', 'producción', 'doctoral', 'autor', 'presenta']
> Topic 10: ['investigación', 'resultados', 'poder', 'producción', 'doctoral', 'autor', 'presenta']
> Topic 11: ['and', 'the', 'of', 'in', 'we', 'on', 'for']
```

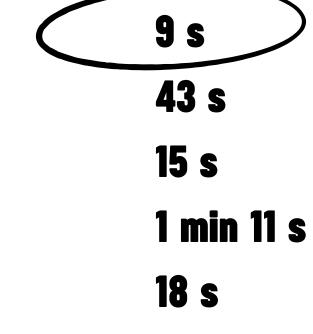
SIMILARITY

ALL-MINILM-L6-V2
ALL-MPNET-BASE-V2
PARAPHRASE-MULTILINGUAL-MINILM-L12-V2
PARAPHRASE-MULTILINGUAL-MPNET-BASE-V2

LABSE

DISTILUSE



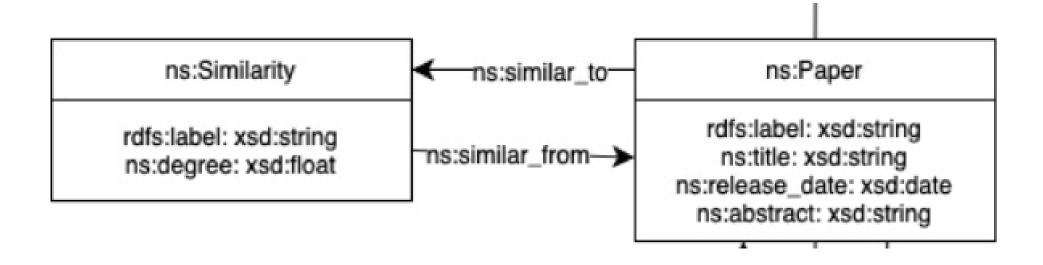


49 s

$$\mathrm{similaridad\ coseno} = \frac{\mathbf{A} \cdot \mathbf{B}}{\|\mathbf{A}\| \|\mathbf{B}\|}$$

SIMILARITY

ALL-MINILM-L6-V2



```
Similarity results:
    {'text_id1': 0, 'text_id2': 1, 'similarity': 0.71557117}
    {'text_id1': 0, 'text_id2': 2, 'similarity': 0.6356488}
    {'text_id1': 0, 'text_id2': 3, 'similarity': 0.7295661}
    {'text_id1': 0, 'text_id2': 4, 'similarity': 0.38767302}
    {'text_id1': 0, 'text_id2': 5, 'similarity': 0.6962004}
    {'text_id1': 0, 'text_id2': 6, 'similarity': 0.6496341}
    {'text_id1': 0, 'text_id2': 7, 'similarity': 0.4257102}
    {'text_id1': 0, 'text_id2': 8, 'similarity': 0.5233375}
    {'text_id1': 0, 'text_id2': 9, 'similarity': 0.66041434}
```

WIKIDATA RECONCILIATION

