500 Best Albums Ever

Search System

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Recap

MUSIC

The 500 Greatest Albums of All Time

The classics are still the classics, but the canon keeps getting bigger and better

BY ROLLING STONE

Illustration by Sean McCabe for Rolling Stone
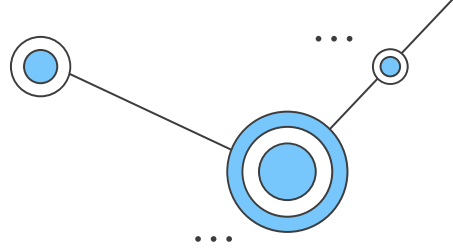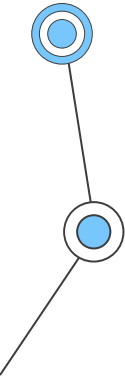
SEP 22, 2020 9:15 AM

TRENDING

Trump Threatened to

Improvements

Improvements Performed

1. Other language support
2. Missing lyrics
3. Information Retrieval

Data collection

billboard

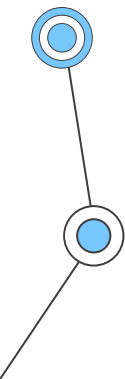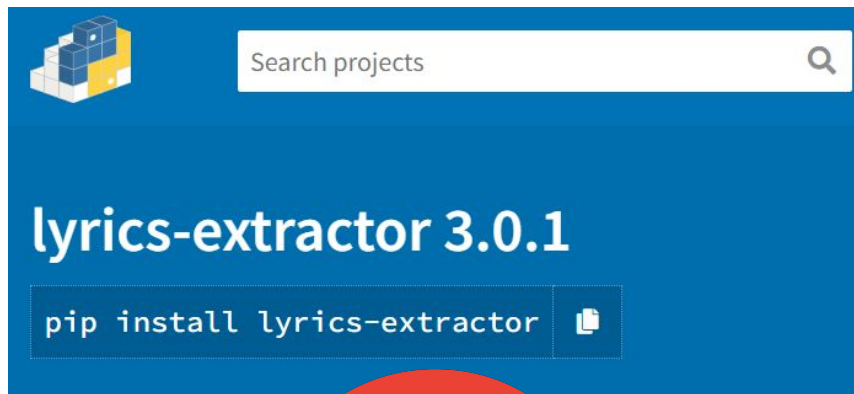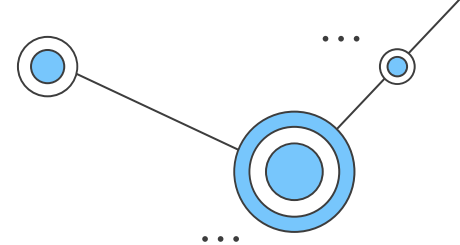# The 50 Greatest Latin Albums of the Past 50 Years

In celebration of Billboard's Greatest of All Time special package, our team of Latin experts has compiled a list of 50 seminal Spanish-language albums from the past 50 years.
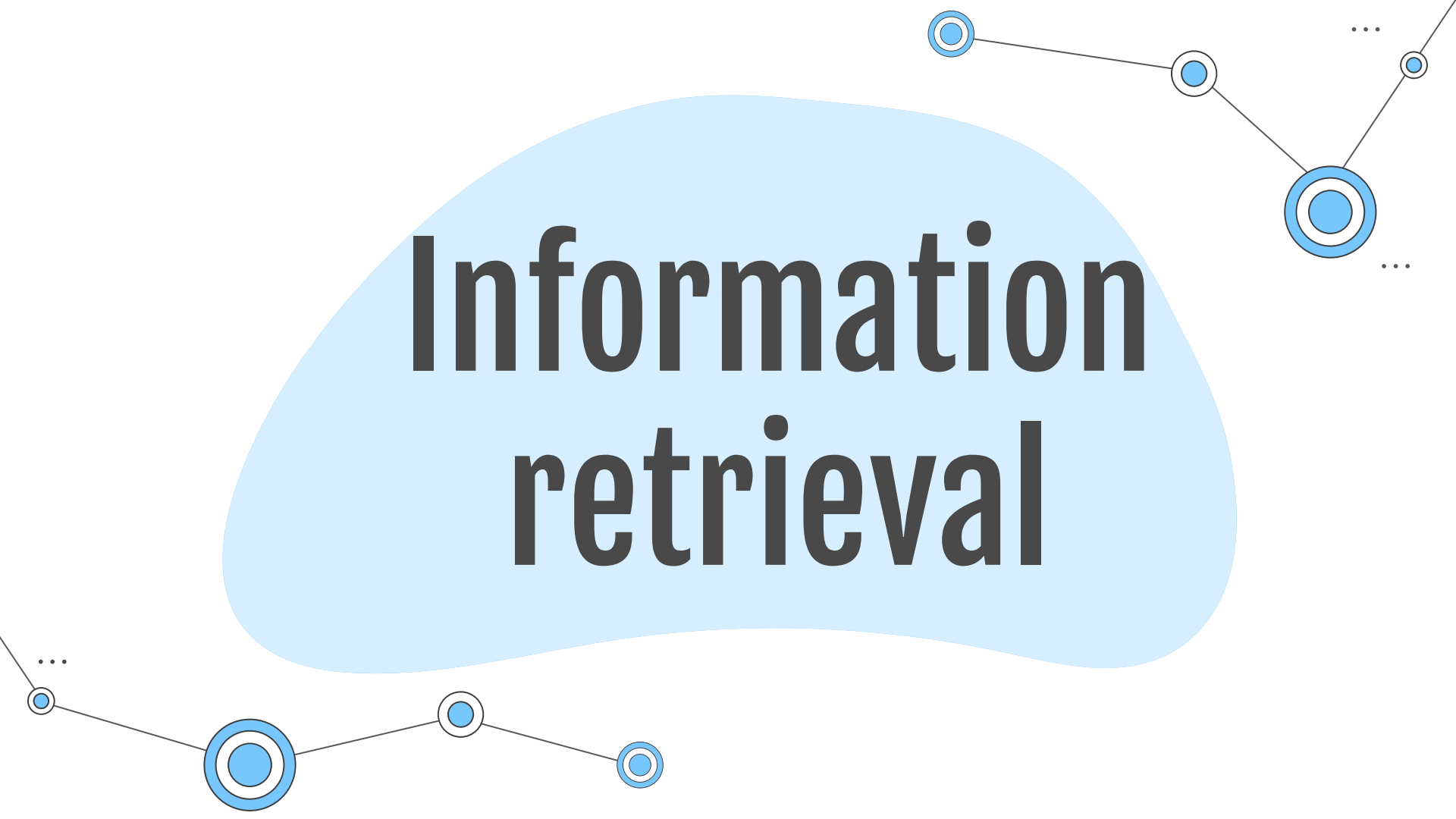
By Billboard Staff ⊕
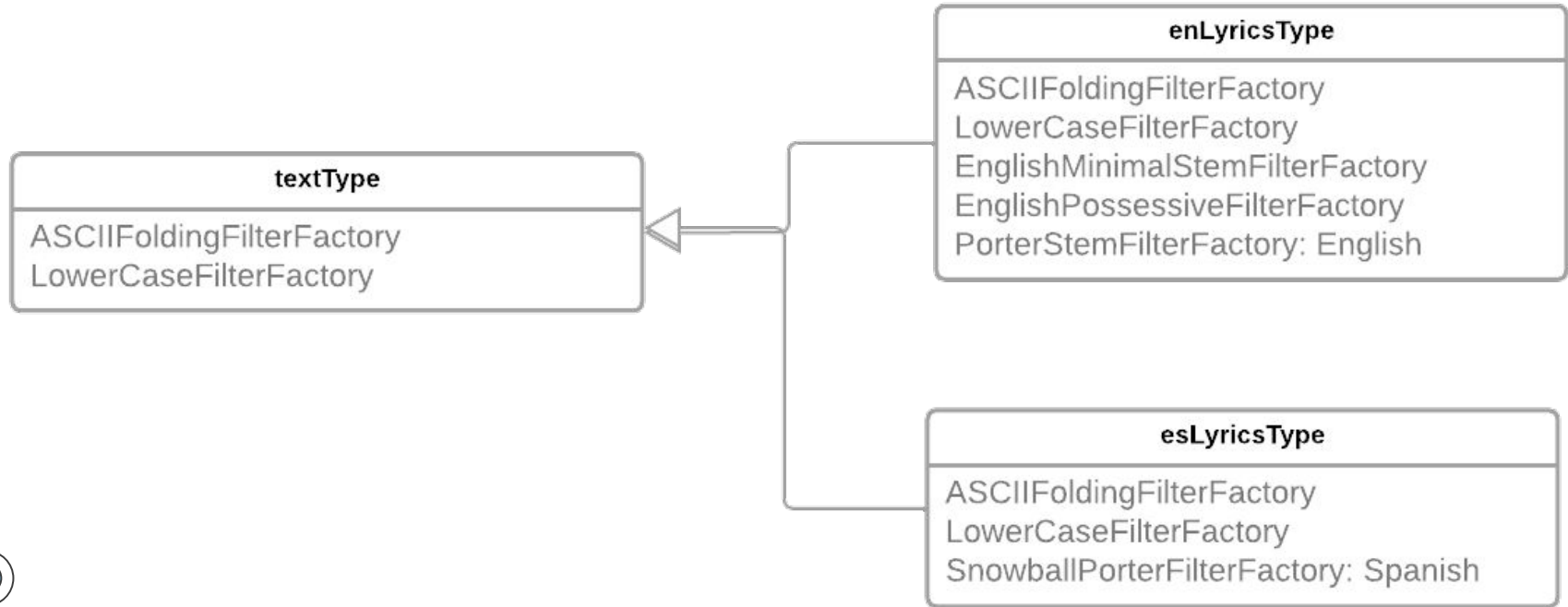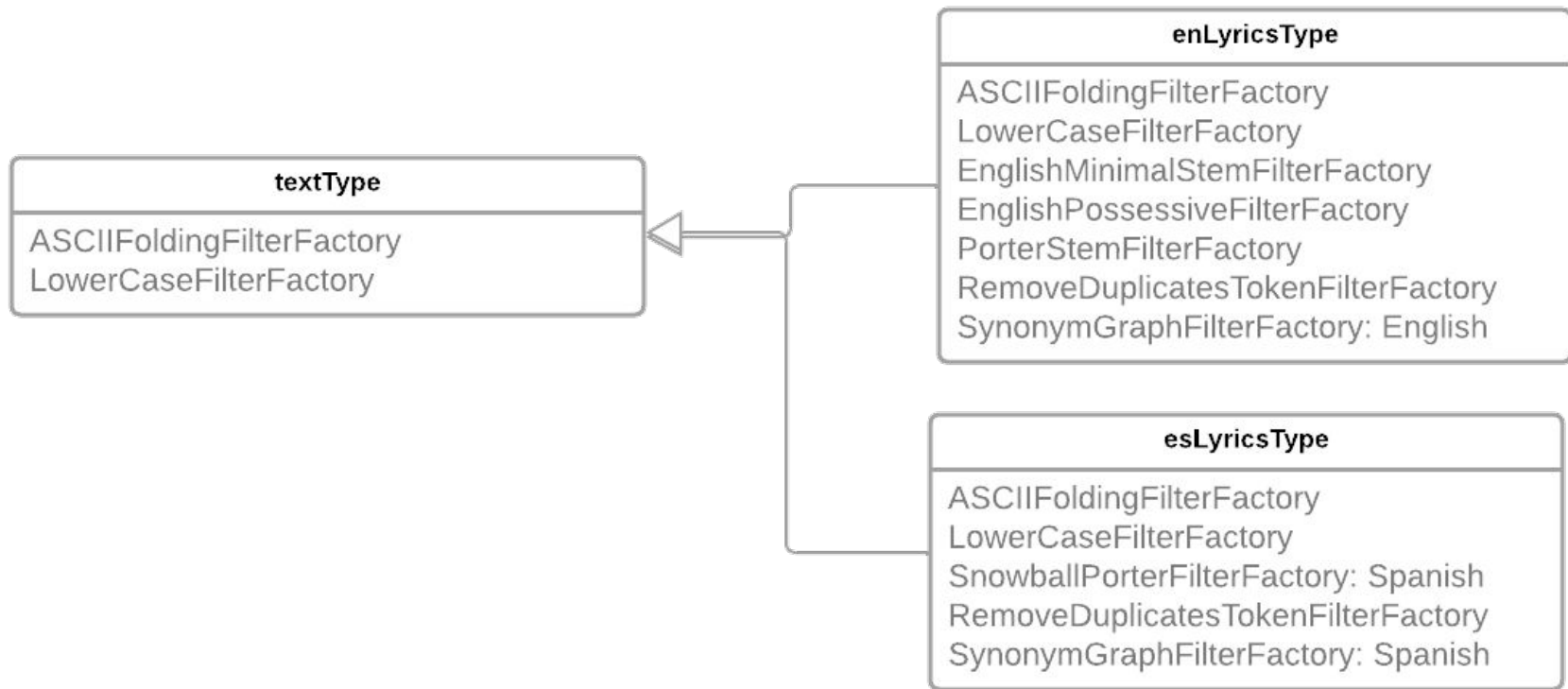09/17/2015

List Challenges

Missing Lyrics

lyrics-extractor 3.0.1

`pip install lyrics-extractor`

Information retrieval

Schemas – Indexing

textType

ASCIIFoldingFilterFactory
LowerCaseFilterFactory

enLyricsType

ASCIIFoldingFilterFactory
LowerCaseFilterFactory
EnglishMinimalStemFilterFactory
EnglishPossessiveFilterFactory
PorterStemFilterFactory: English

esLyricsType

ASCIIFoldingFilterFactory
LowerCaseFilterFactory
SnowballPorterFilterFactory: Spanish

Schemas – Query

textType

ASCIIFoldingFilterFactory
LowerCaseFilterFactory

enLyricsType

ASCIIFoldingFilterFactory
LowerCaseFilterFactory
EnglishMinimalStemFilterFactory
EnglishPossessiveFilterFactory
PorterStemFilterFactory
RemoveDuplicatesTokenFilterFactory
SynonymGraphFilterFactory: English

esLyricsType

ASCIIFoldingFilterFactory
LowerCaseFilterFactory
SnowballPorterFilterFactory: Spanish
RemoveDuplicatesTokenFilterFactory
SynonymGraphFilterFactory: Spanish
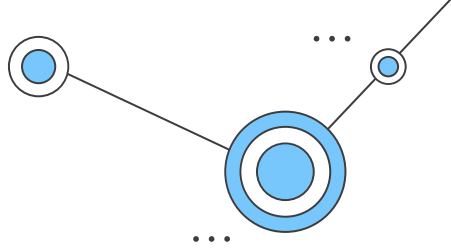
Synonyms

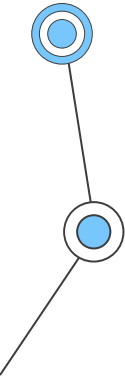## English

1. Gathered from a public repository

Spanish

1. Get data set of spanish words
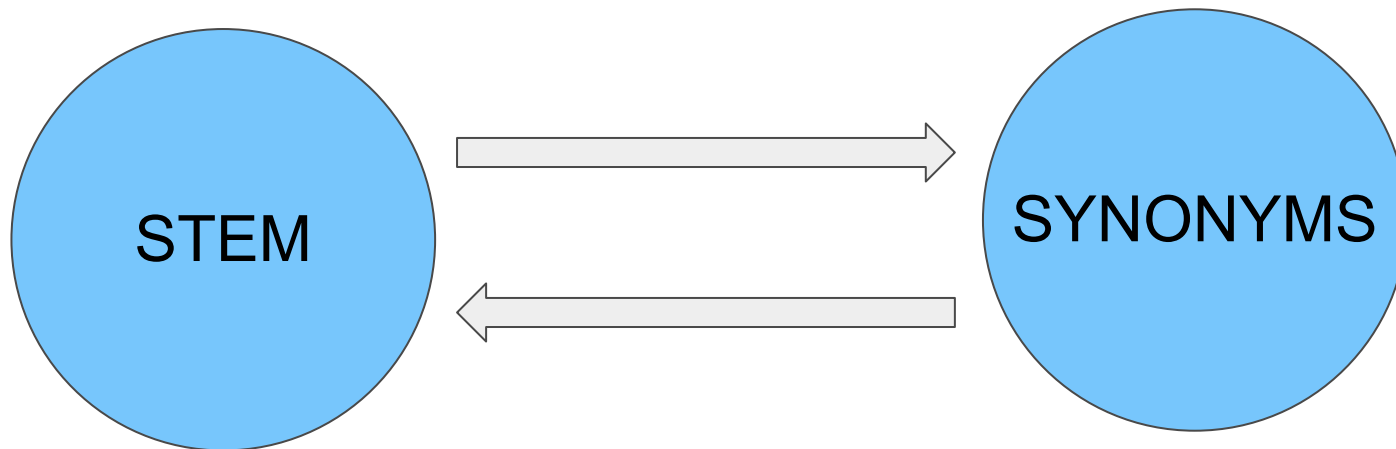2. Web scrapp to get synonyms for each of the words
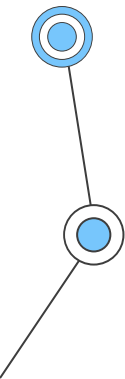
Single query configuration

1. defType: edismax
2. qf: lyrics_en^4 lyrics_es^4 lyrics_other^4 artist^2 track^8 album album_release_date^0.1
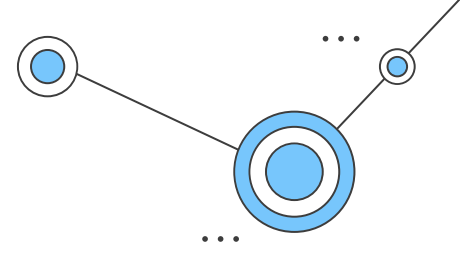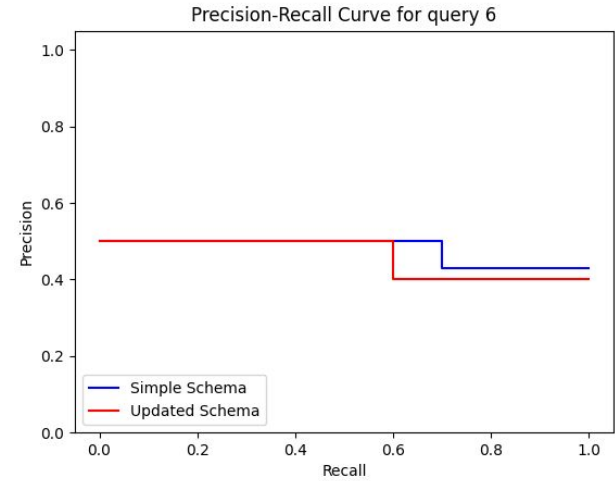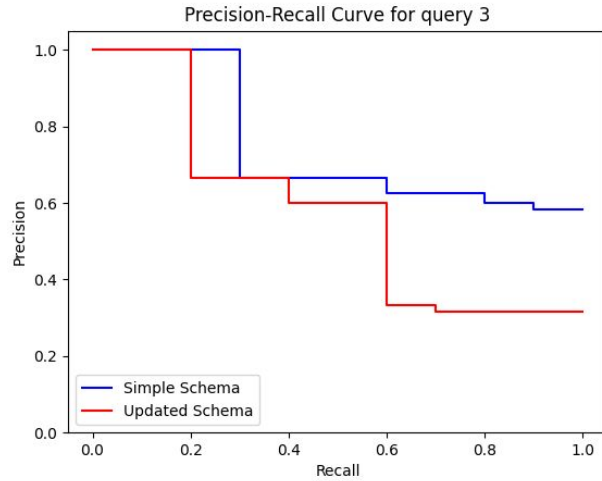3. qs: 5
4. rows: 20

Filter application order

STEM → SYNONYMS

Evaluation

Evaluation

Lost in performance

Precision-Recall Curve for query 3

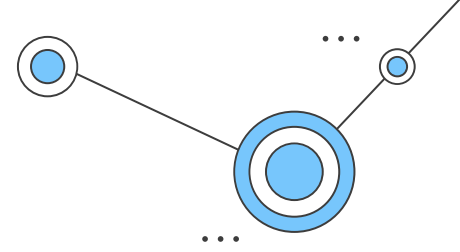Precision-Recall Curve for query 6

Evaluation

Small increase in performance

Precision-Recall Curve for query 5

Precision-Recall Curve for query 2
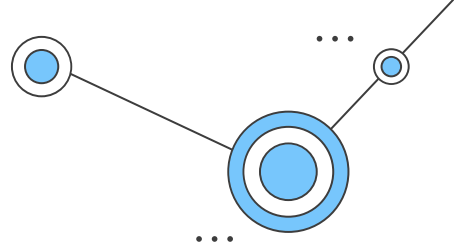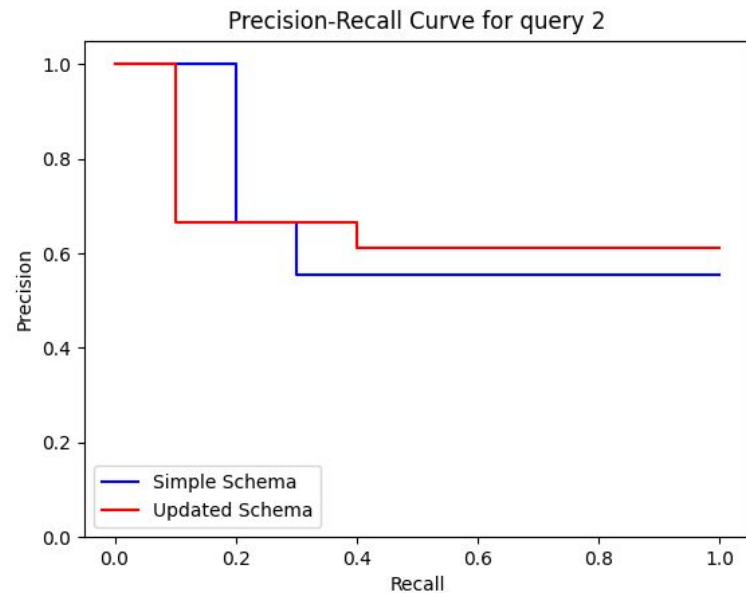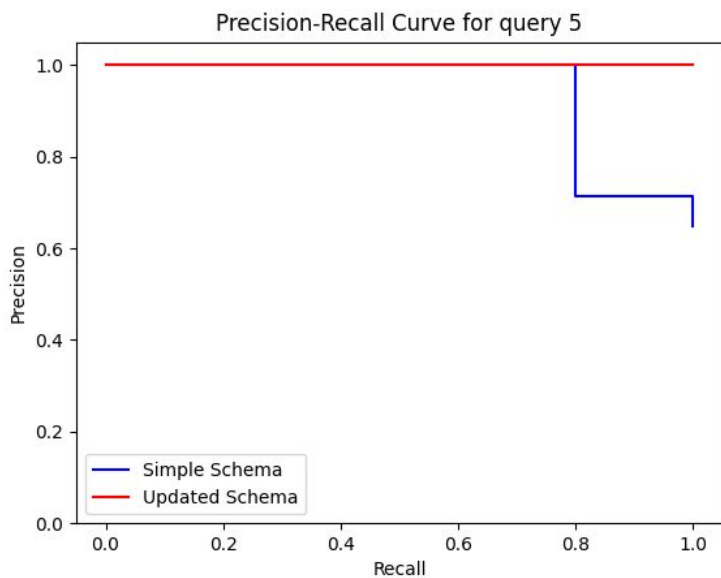
Evaluation

Increase in performance

Precision-Recall Curve for query 1

Precision-Recall Curve for query 4

Precision-Recall Curve for query 7
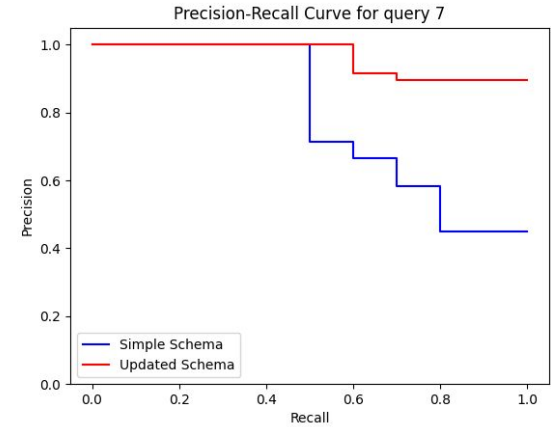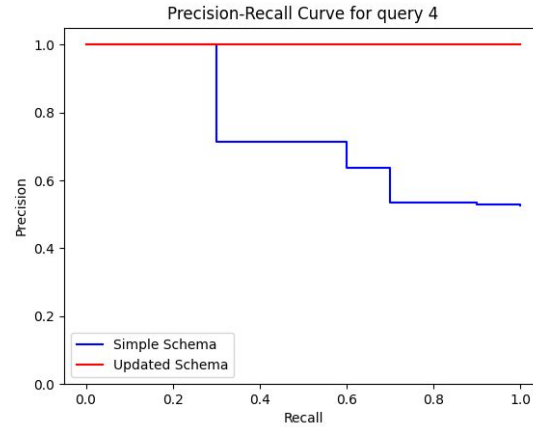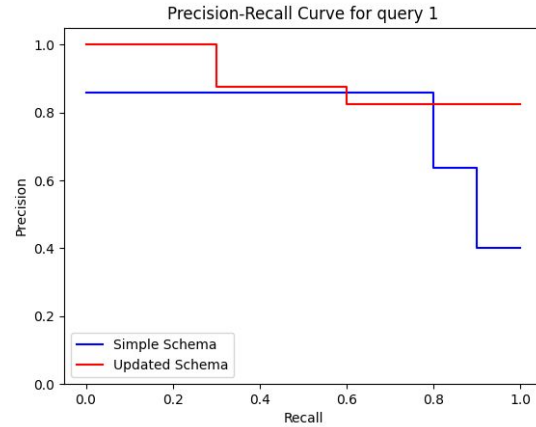
Evaluation
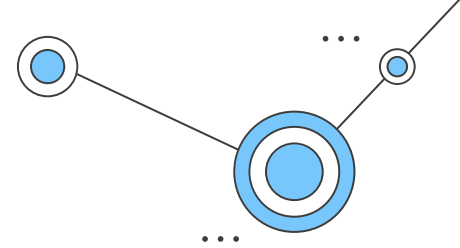
Metrics

Average Precision

Query	Simple Schema	Updated Schema
1	0.6804	0.8696
2	0.5631	0.6120
3	0.7250	0.5322
4	0.8956	1.000
5	0.9140	1.000
6	0.4762	0.4500
7	0.7595	0.9519

Mean Average Precision

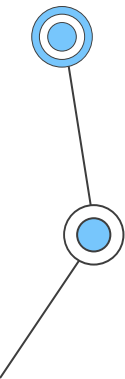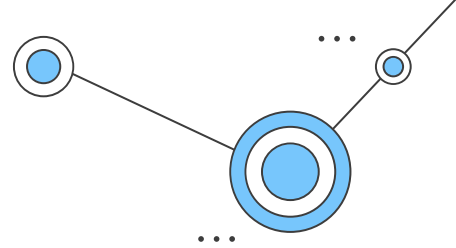| Simple Schema	Updated Schema
0.6877	0.7737

Conclusions
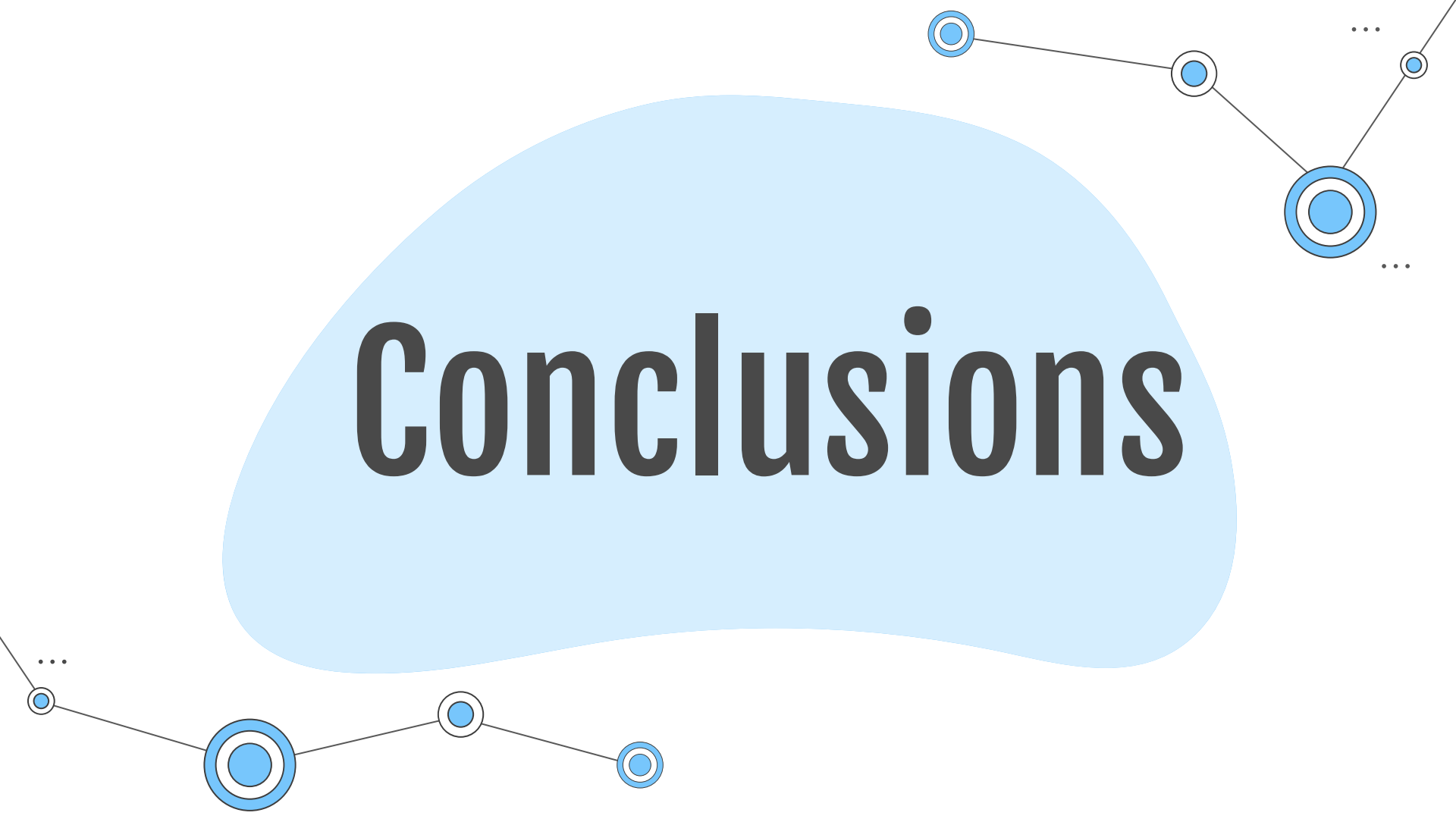
Conclusions

- Data correctness

- Data completeness

- Information retrieval

Thanks!

Do you have any questions?