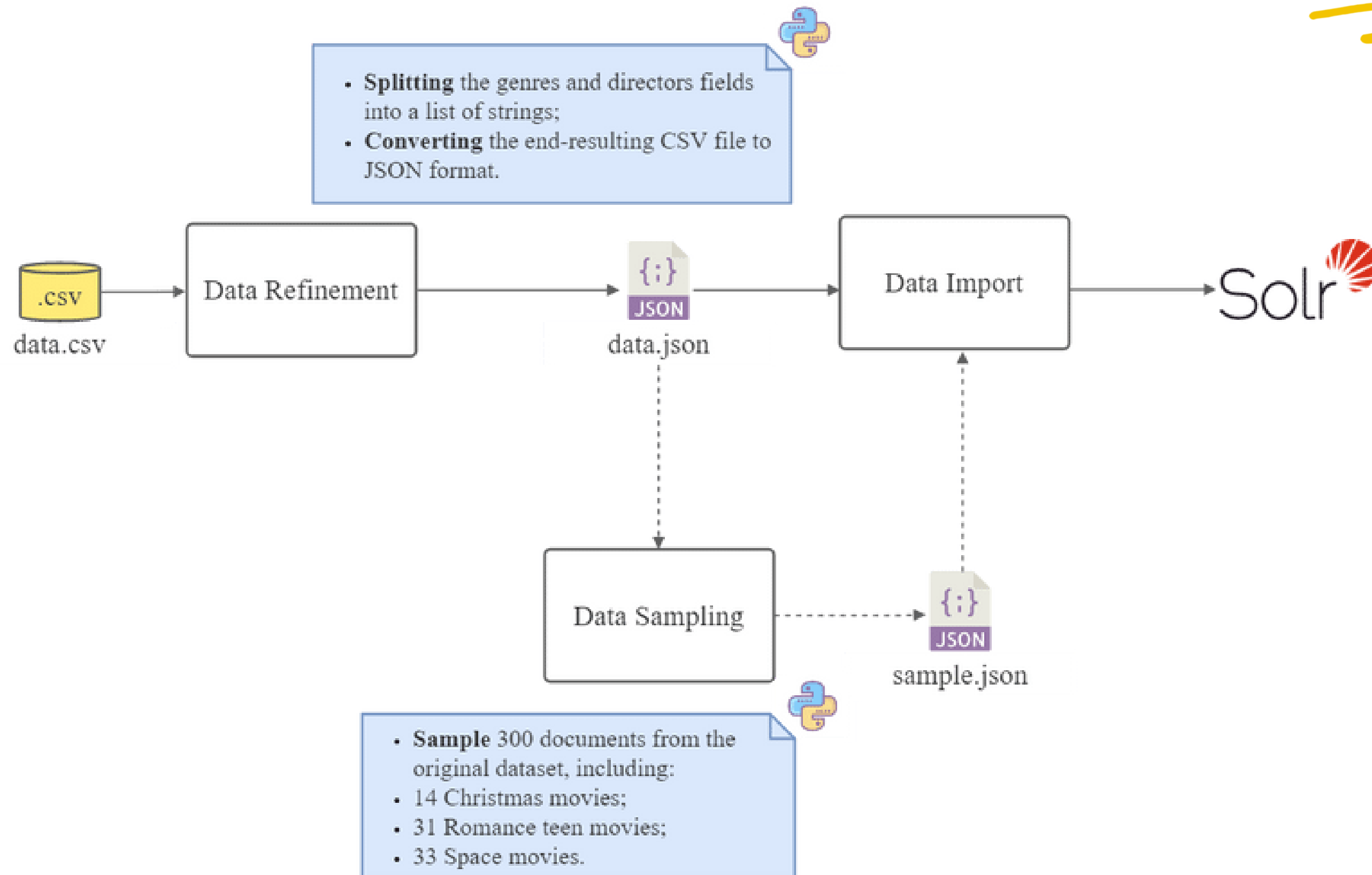




# IMDb information retrieval

# ***Collection***



# ***Indexing: Schema***

Solr default types:

- int
- float
- bool
- string

Custom types:

- textualField
- nameField

Only relevant fields (to be queried & filtered) have been indexed.

Every field was stored.

field	type	indexed
primaryTtile	textualField	yes
originalTitle		
genres		
synopsis		
startYear	int	
averageRating	float	
directors	nameField	no
tconst	string	
isAdult	bool	
runtimeMinutes	float	
numVotes	int	

# Indexing: Custom fields

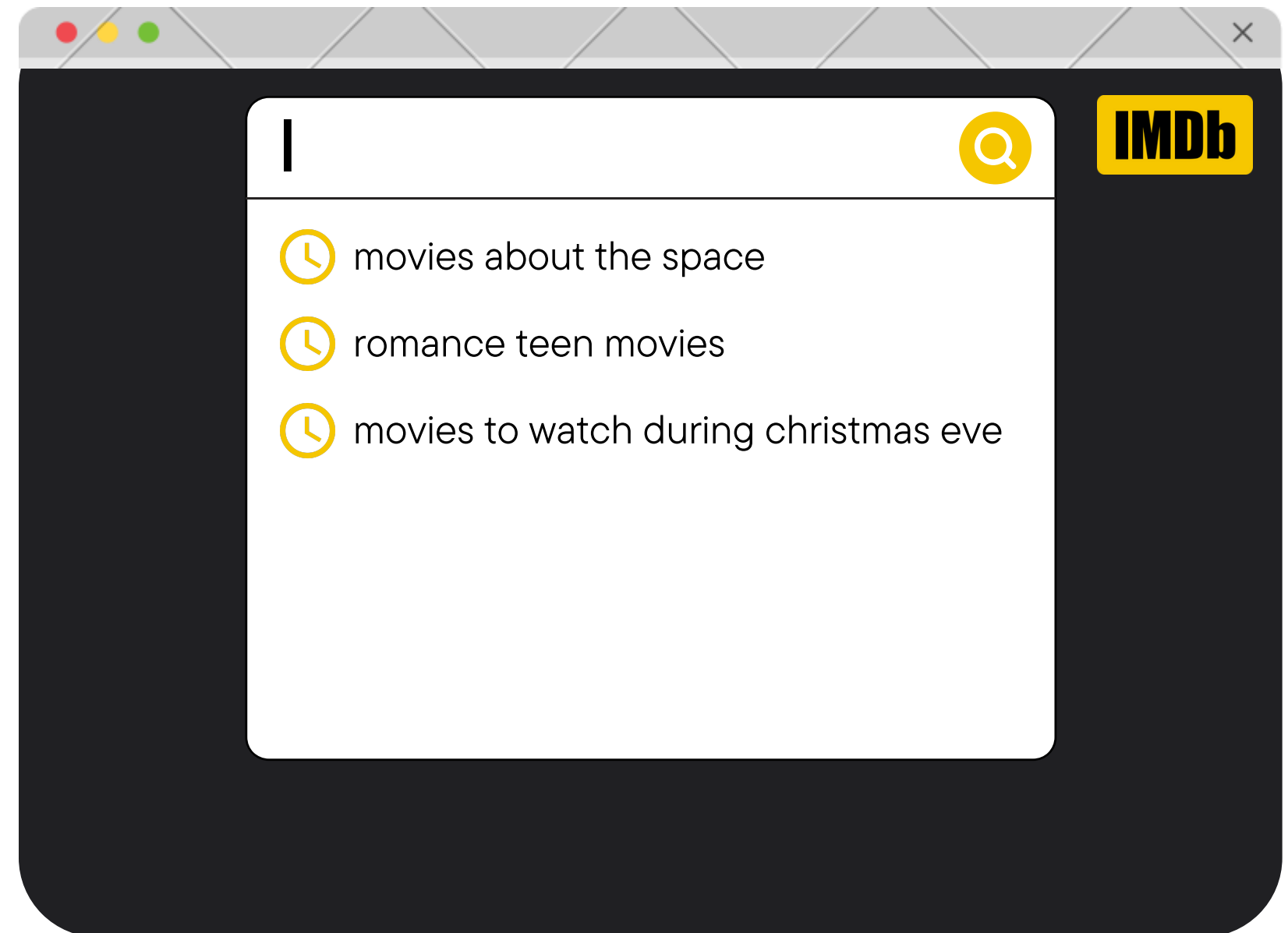
*basic*

Name	Tokenizer	Filter
textualField	StandardTokenizerFactory	ASCIIFoldingFilterFactory
		LowerCaseFilterFactory

*enhanced*

Name	Tokenizer	Filter
textualField	LowerCaseTokenizerFactory	ASCIIFoldingFilterFactory
		StopFilterFactory
		EnglishMinimalStemFilterFactory
		EnglishPossessiveFilterFactory
		PorterStemFilterFactory
nameField		ASCIIFoldingFilterFactory

# ***Selected Information Needs***

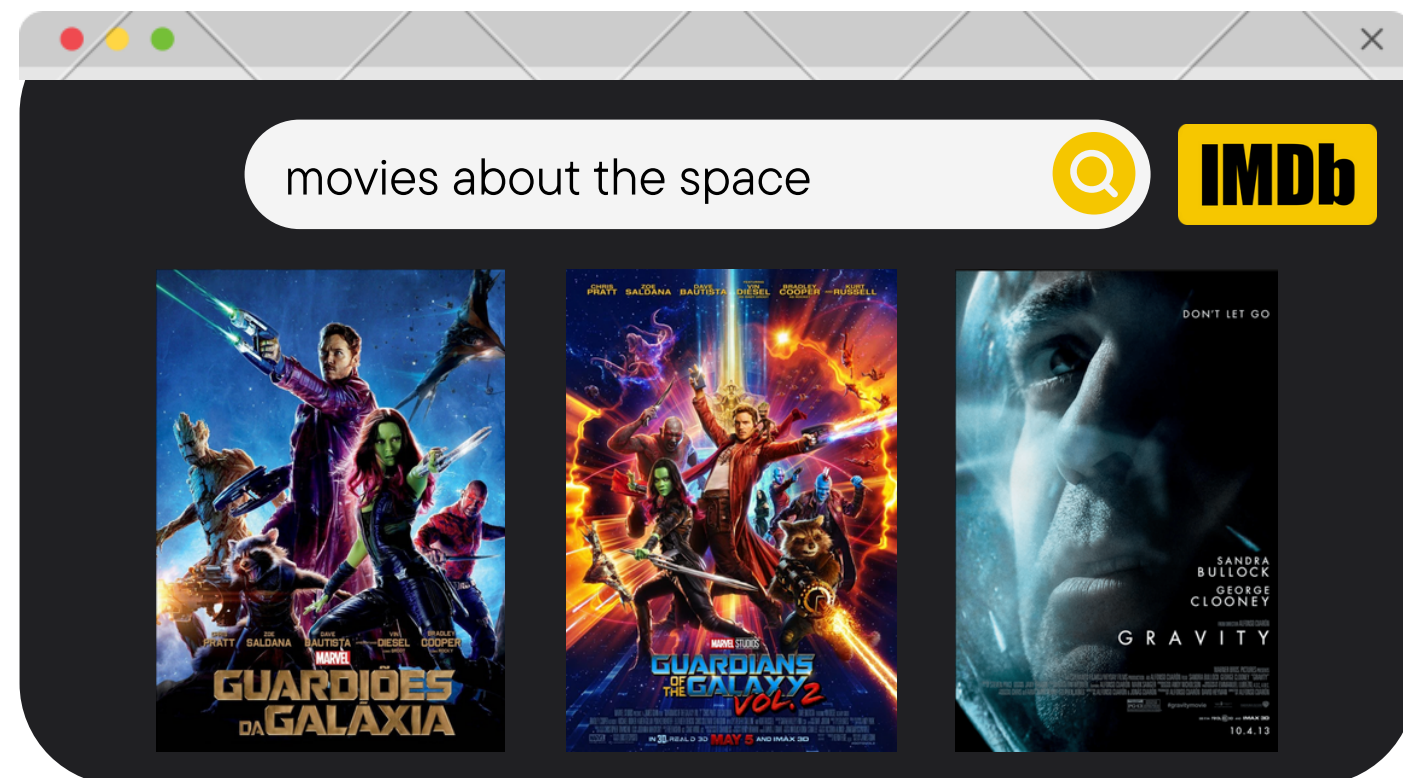


# ***Movies about the space***

## *regular*

**query** : space astronaut galaxy planets

**query filter**: originalTitle, primaryTitle, synopsis

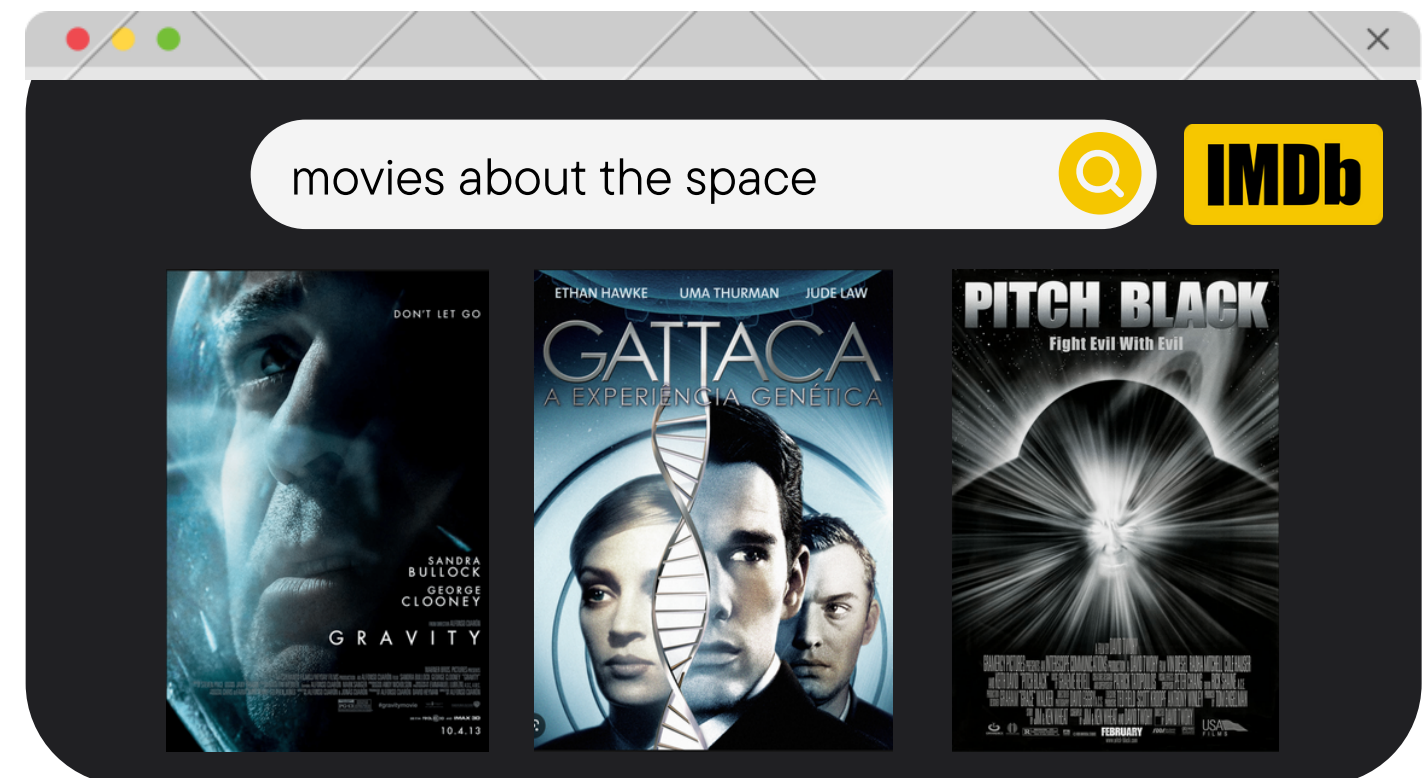


## *boosted*

**query**: space, astronaut, galaxy, planets

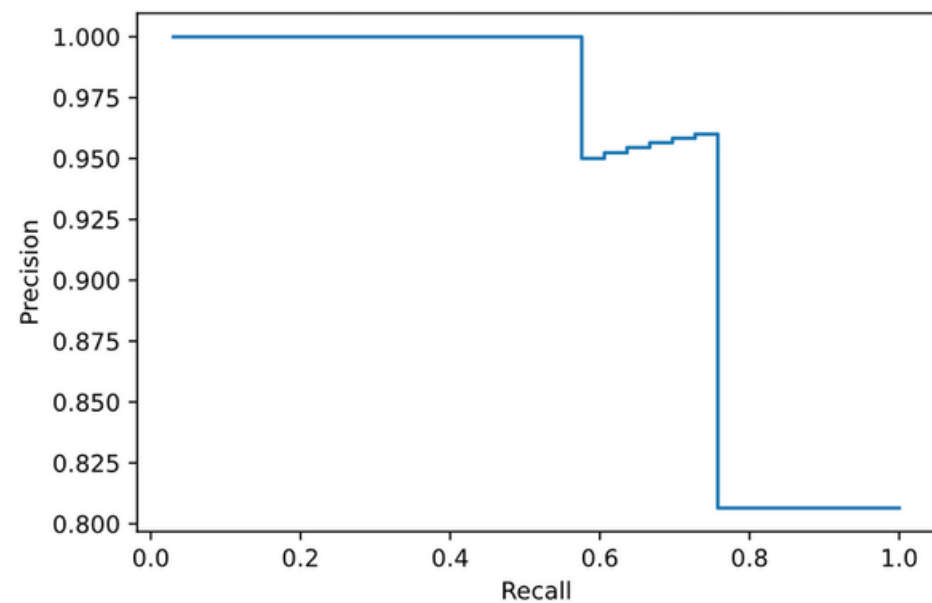
**query filter**: originalTitle^1.5, primaryTitle^1.5, synopsis^2

**boost query**:genres: sci-fi^3.0, synopsis:stars



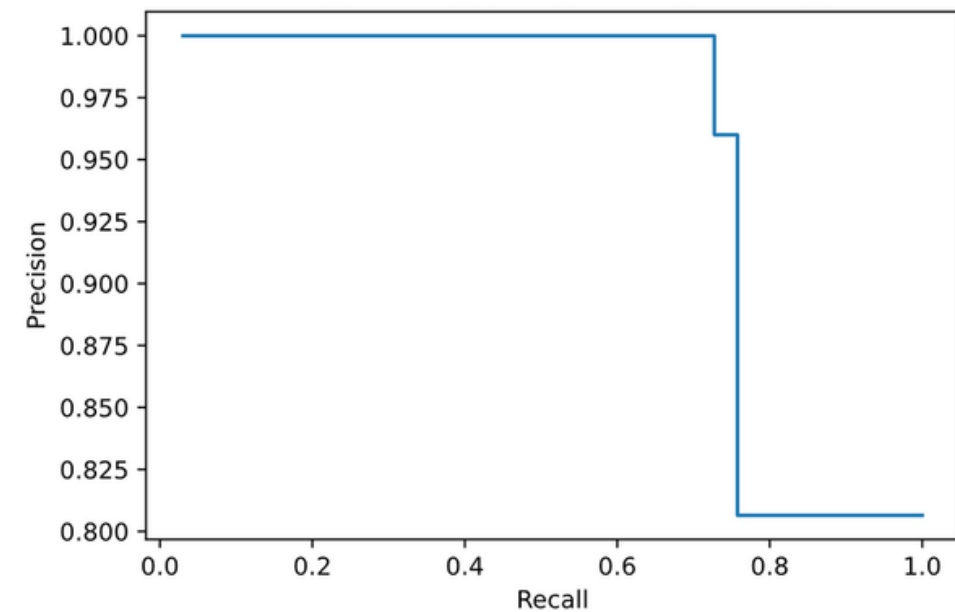
# ***Movies about the space***

***regular***



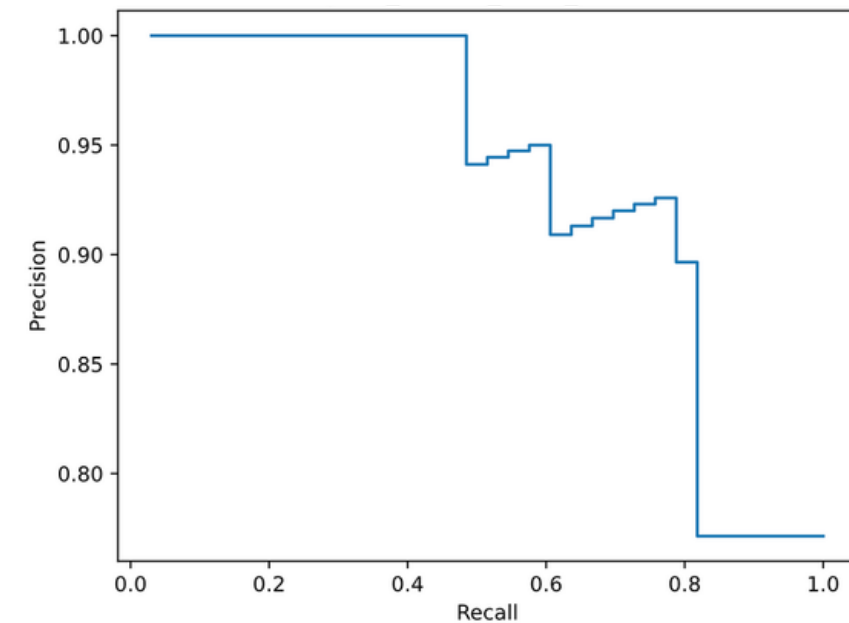
**average precision: 0.973584**  
**precision at 10: 1.0**

***boosted***



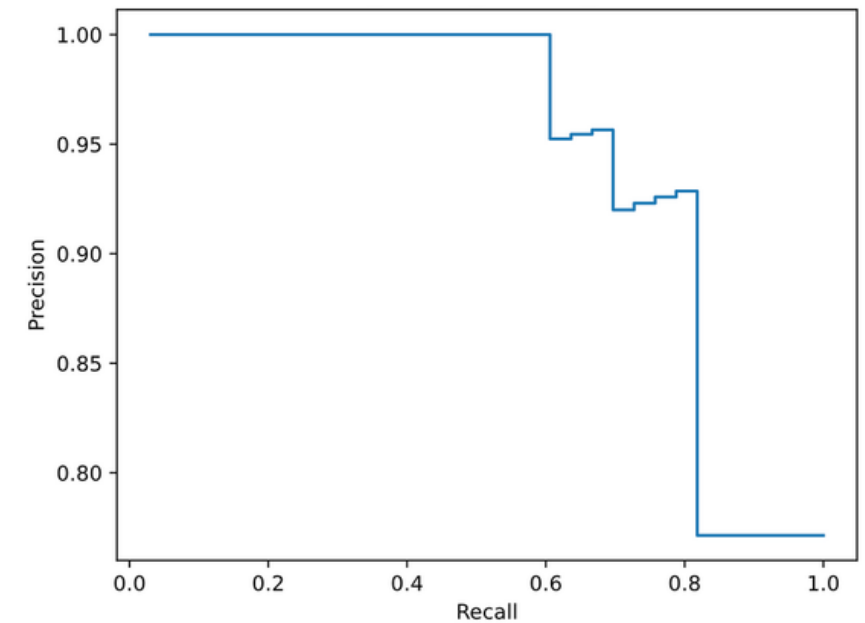
**average precision: 0.981191**  
**precision at 10: 1.0**

***regular  
enhanced***



**average precision: 0.949862**  
**precision at 10: 1.0**

***boosted  
enhanced***



**average precision: 0.9611**  
**precision at 10: 1.0**



# ***Romance teen movies***

## *regular*

**query** : romance, teen, crush, heart-break, in love, high-school, college, friends, friendship, campus, gossip, passion, attraction

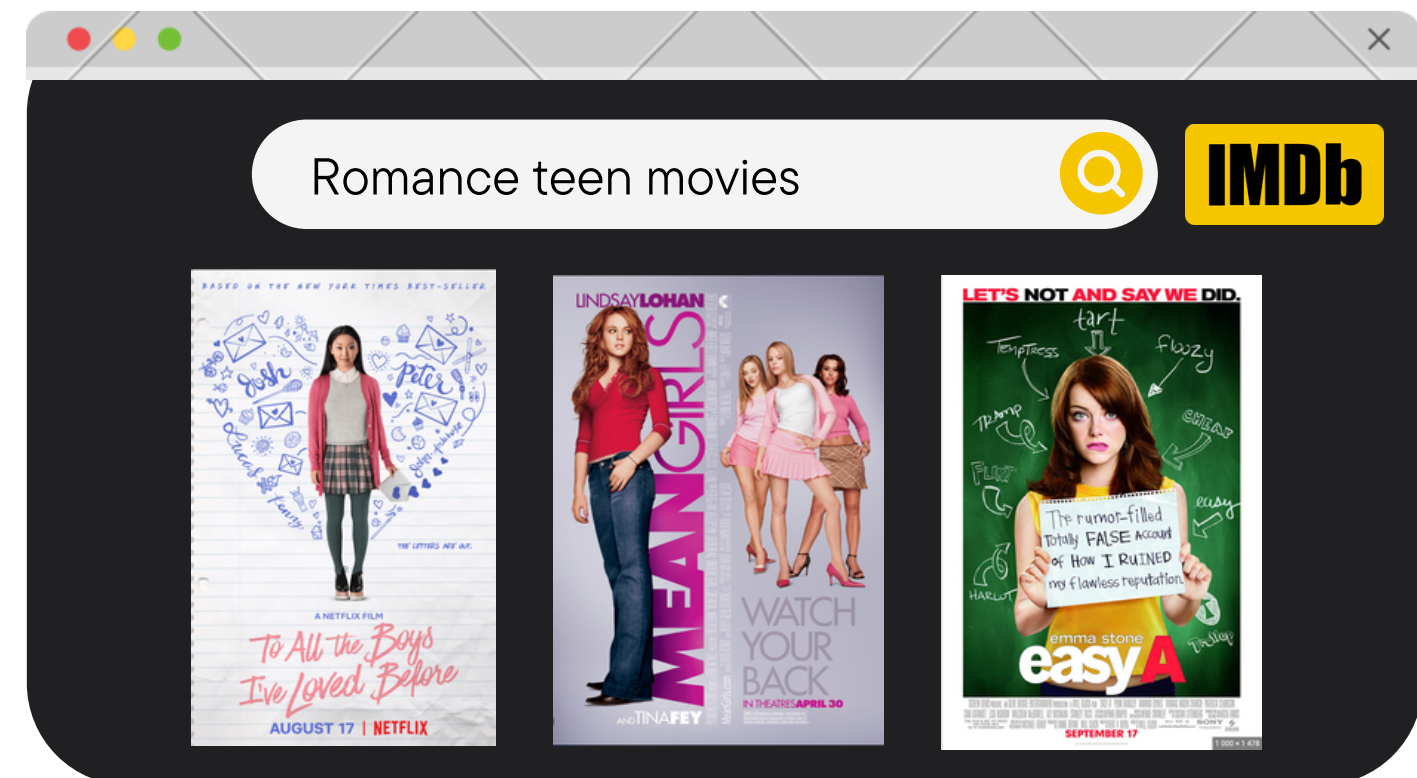
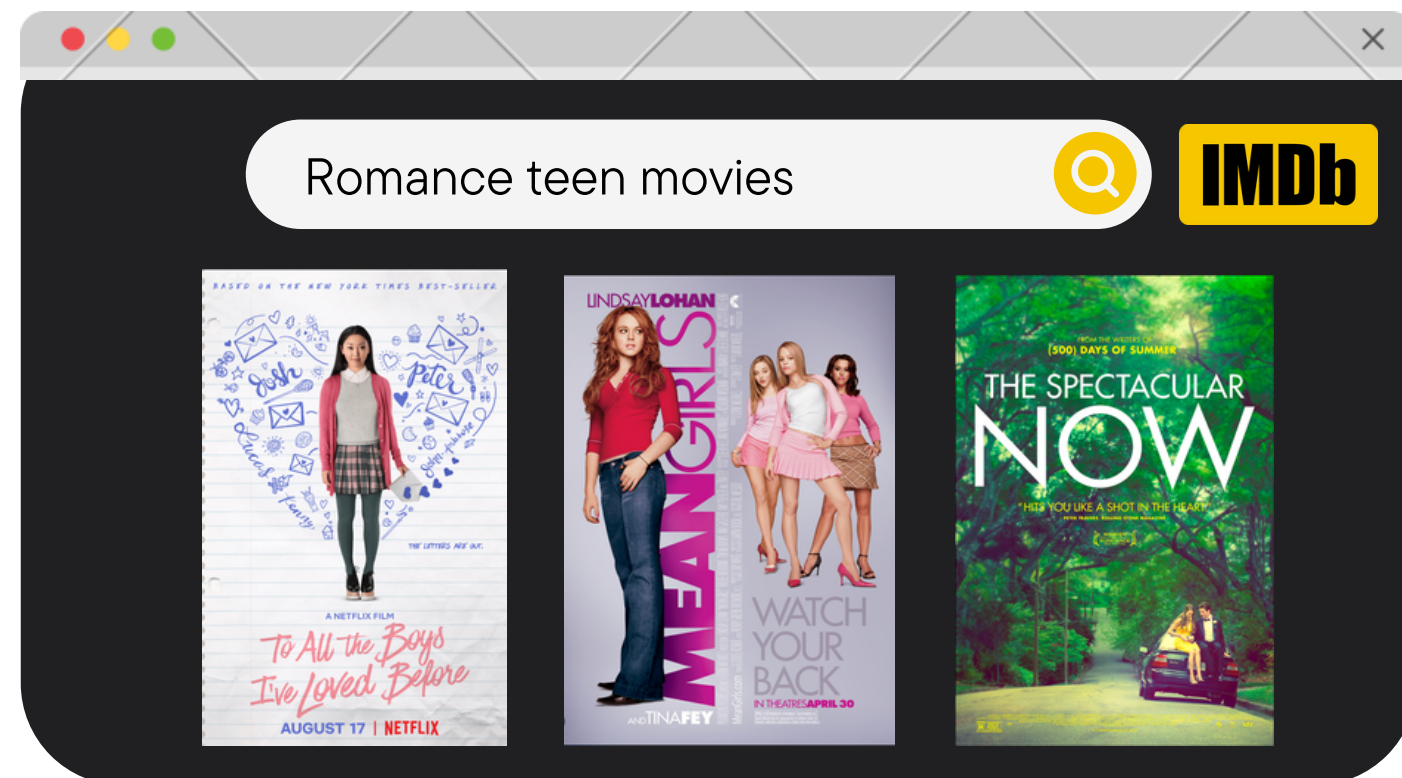
**query filter**: originalTitle, primaryTitle, synopsis

## *boosted*

**query**: romance, teen^3.0, crush, heart-break^3.0,in love^2.0, high-school^2.0, college, friends, friendship, campus, gossip, passion, attraction

**query filter**: originalTitle^1.5, primaryTitle^1.5, synopsis^2

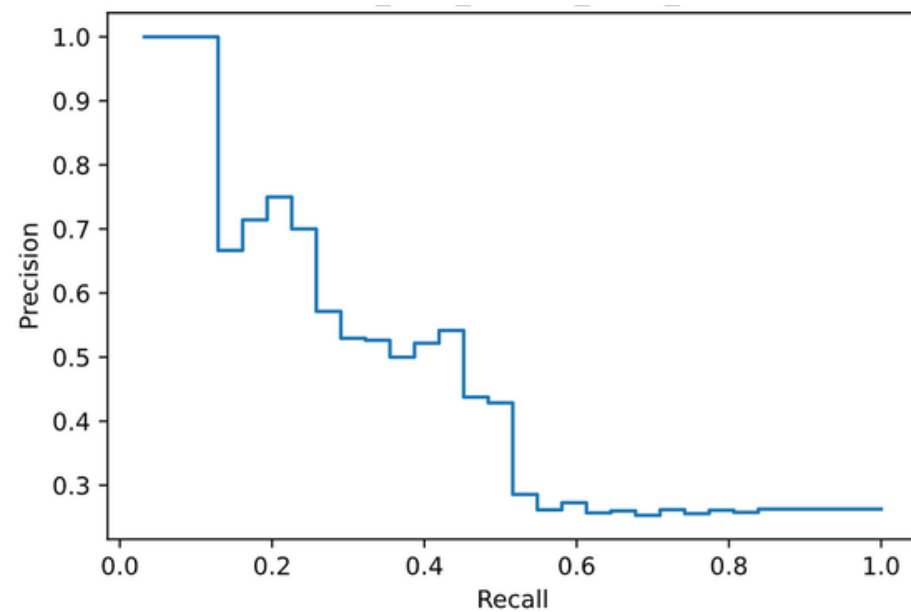
**boost query**: genres:drama, genres:romance, synopsis:crush^2.0





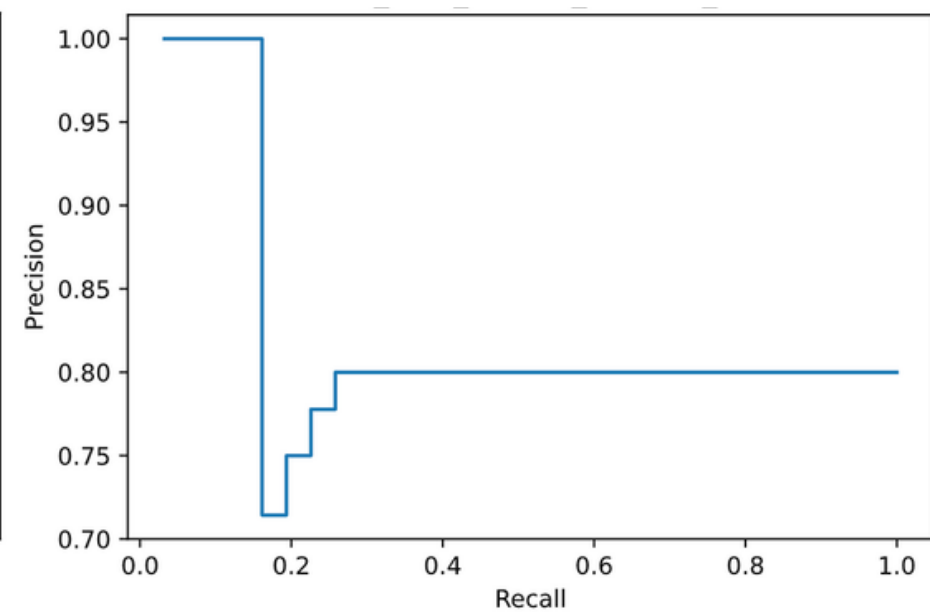
# ***Romance teen movies***

***regular***



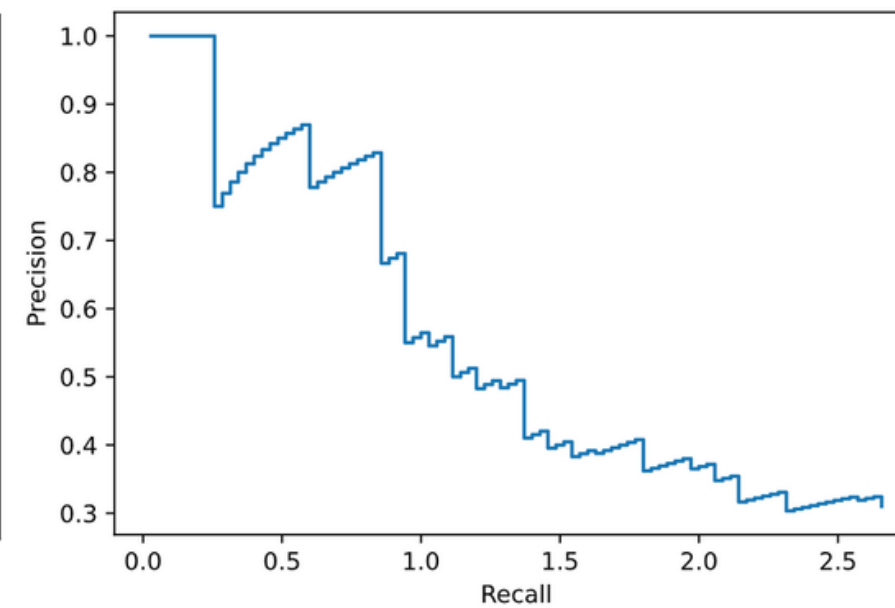
**average precision: 0.411838**  
**precision at 10: 0.7**

***boosted***



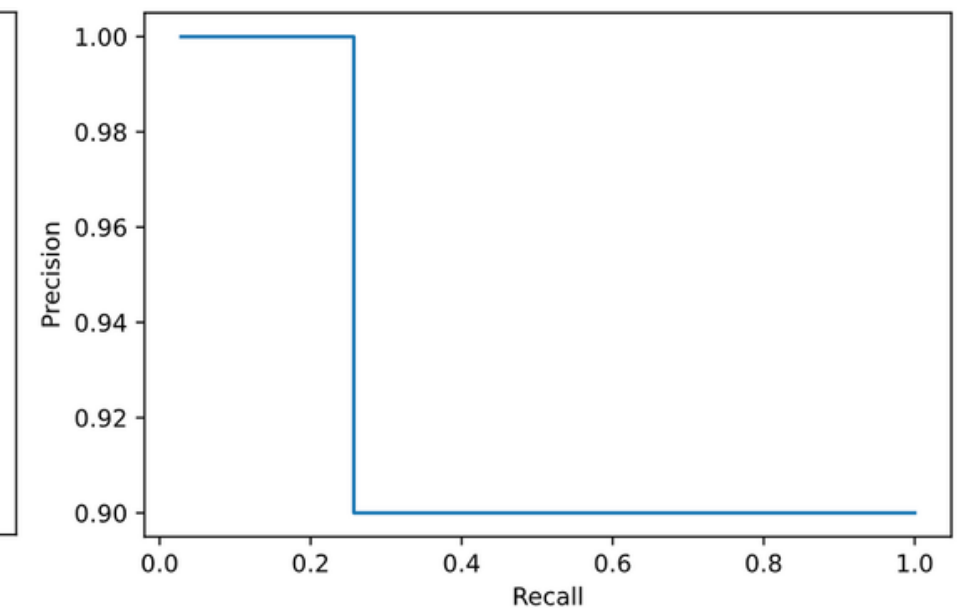
**average precision: 0.897266**  
**precision at 10: 0.8**

***regular  
enhanced***



**average precision: 0.46774**  
**precision at 10: 1.0**

***boosted  
enhanced***

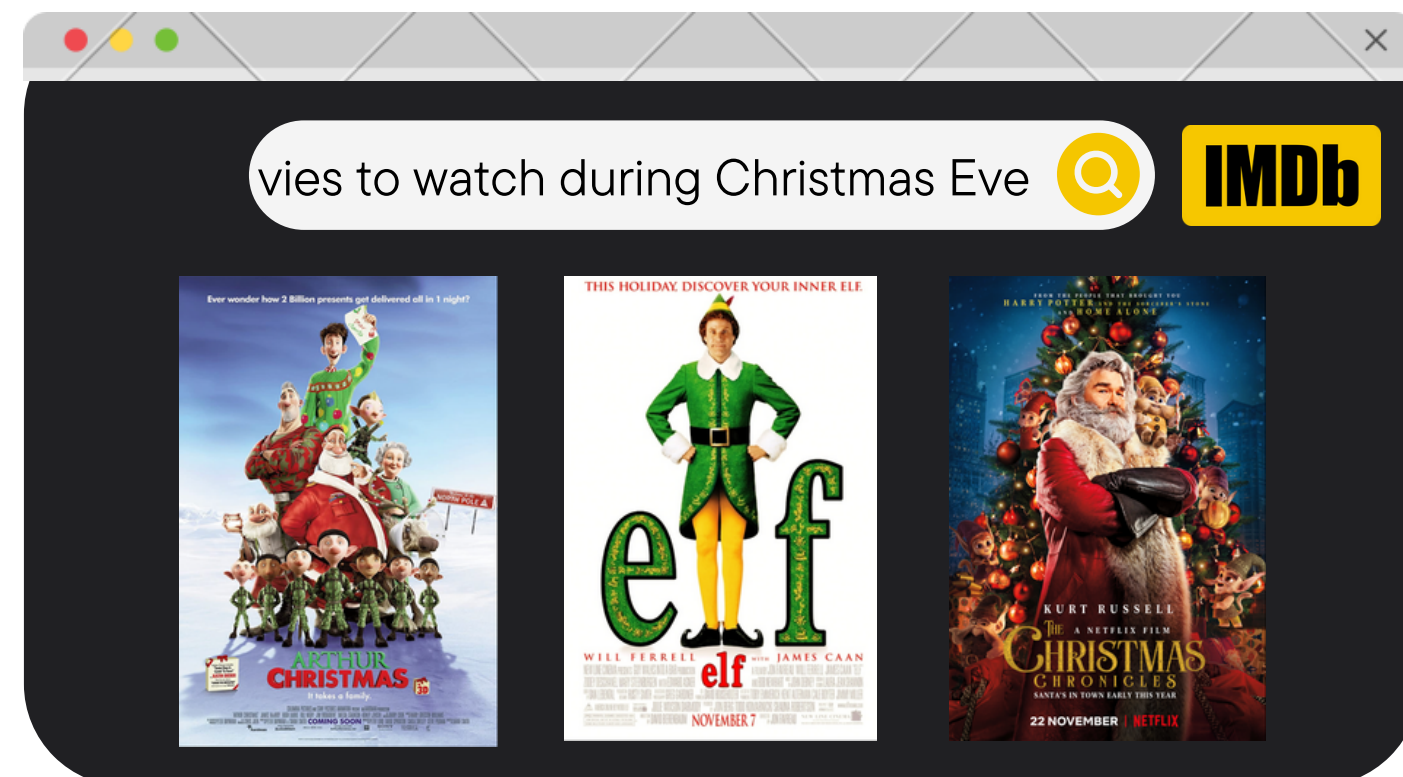


**average precision: 1.0**  
**precision at 10: 1.0**

# ***Movies to watch during Christmas eve***

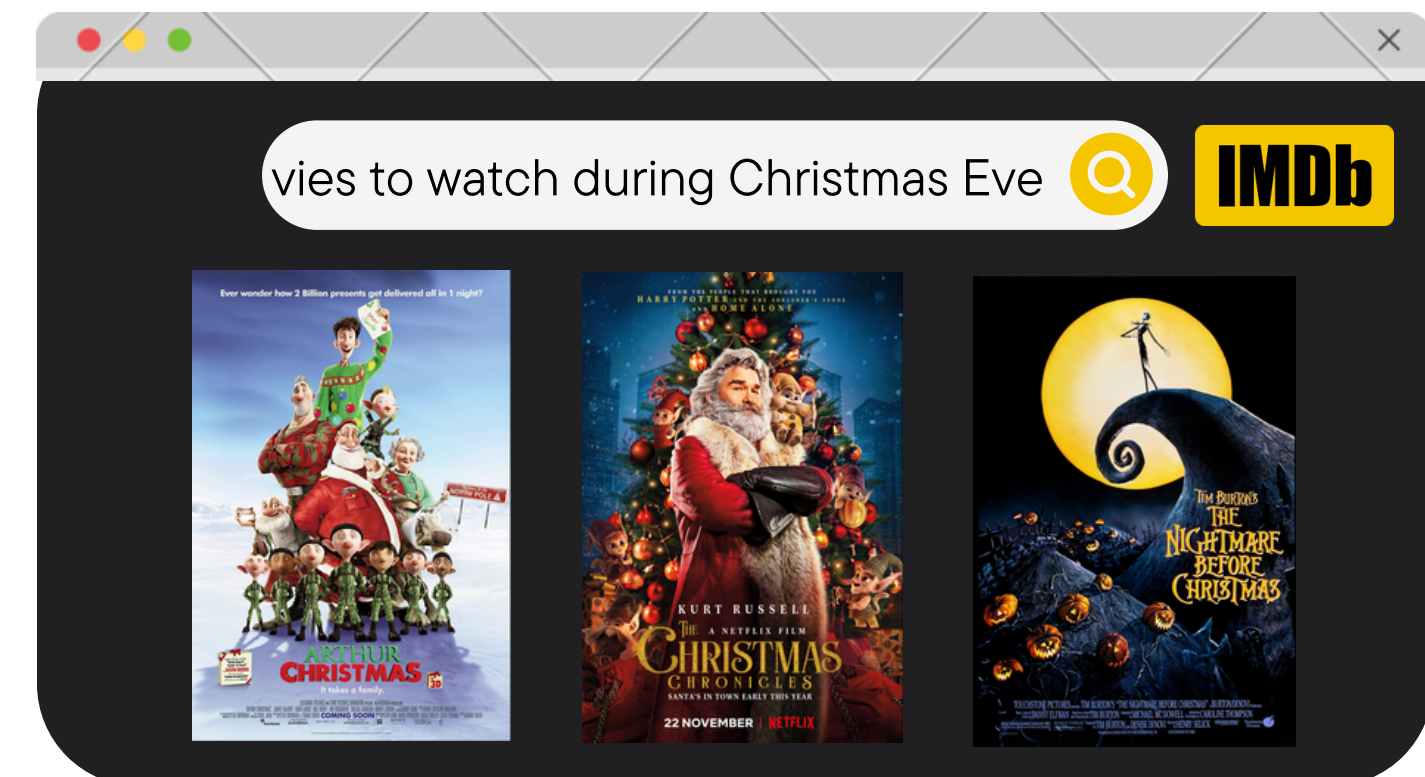
## *regular*

**query** : christmas^2, santa^2, snow, elf, rodolf, festive, claus, merry, holliday, candy cane, christmas tree, eve advent  
**query filter**: originalTitle, primaryTitle, synopsis



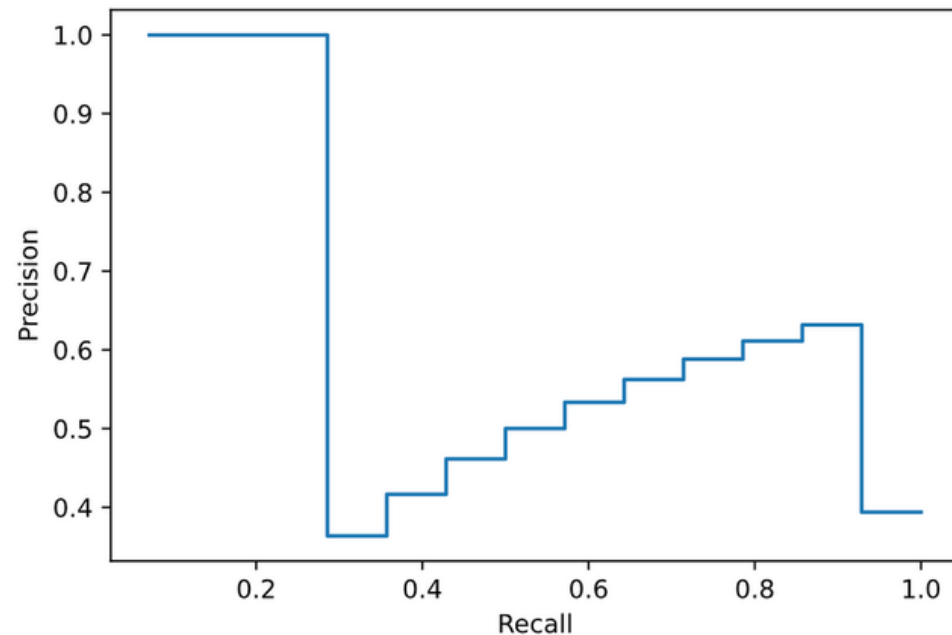
## *boosted*

**query**: christmas^2, santa^2, snow, elf, rodolf, festive, claus, merry, holliday, candy cane, christmas tree, eve advent  
**query filter**: originalTitle^1.5, primaryTitle^1.5, synopsis^2  
**boost query**: primaryTitle: christmas^5.0, synopsis:christmas^3



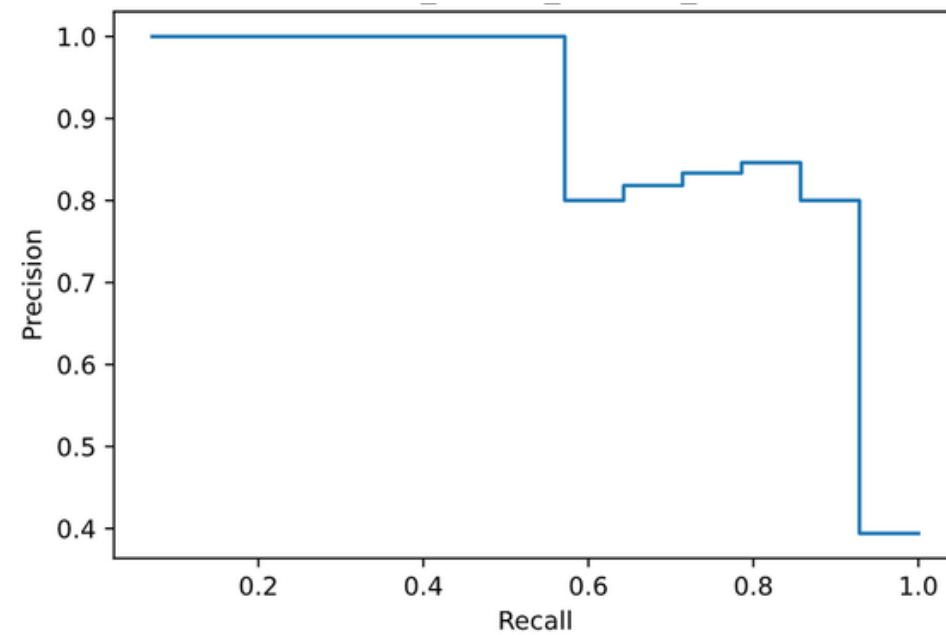
# ***Movies to watch during Christmas Eve***

***regular***



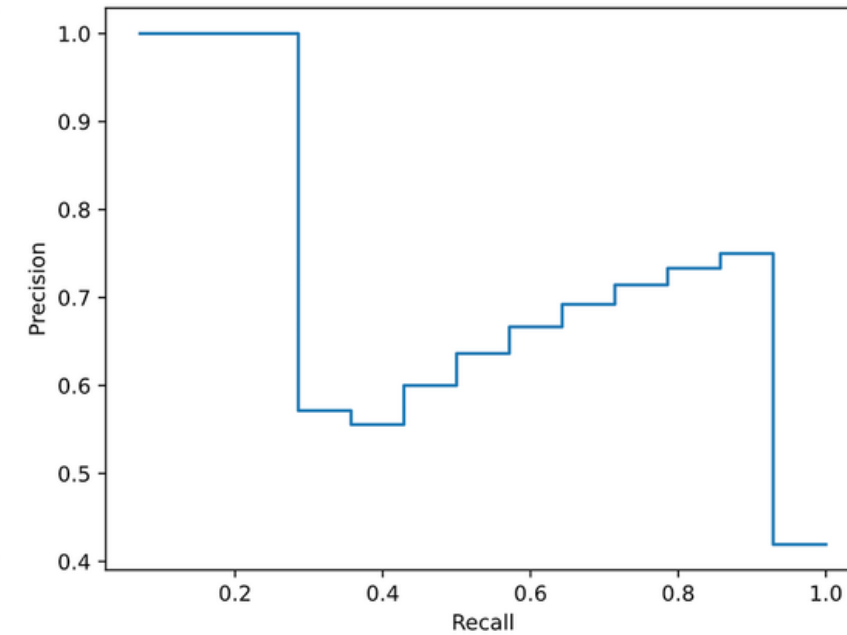
average precision: 0.58253  
precision at 10: 0.4

***boosted***



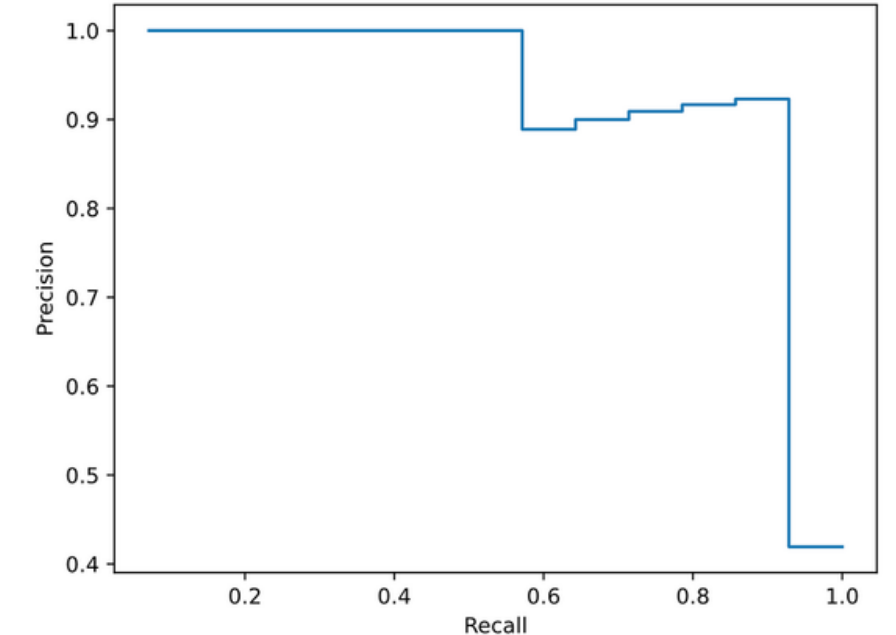
average precision: 0.733349  
precision at 10: 0.8

***regular  
enhanced***



average precision: 0.665005  
precision at 10: 0.8

***boosted  
enhanced***



average precision: 0.769875  
precision at 10: 1.0

**Any questions?**

