



IMDb Search System

Small Improvements

Filters

- Remove redundant filters
- Add BeiderMorseFilterFactory

2 Synonyms

Small Improvements



- Remove redundant filters
- Add BeiderMorseFilterFactory





Hypothesis I signals Exploration

Calculate Increaser

Average Rating
Number of votes

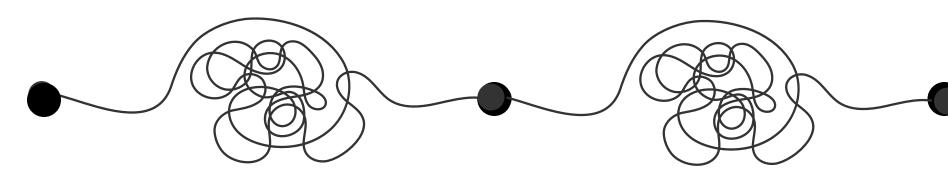
Scaling

Min Max Scaler

Add to Solr's default score

Reorder results





Change Solrs Configuration file

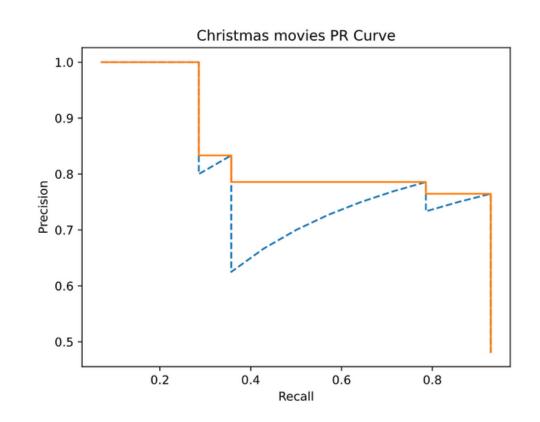
Upload features & Model

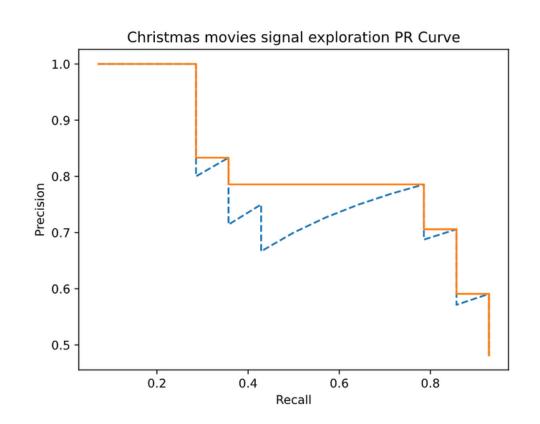
Train Model & apply weights

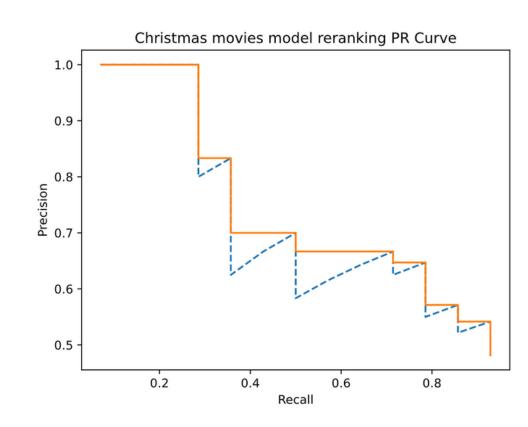
Recalculate results

Results Christmas Movies

Metric	Normal	Signal	LTR
Average Precision	0.826686	0.816334	0.760389
Average Precision at 10	0.885714	0.885714	0.885714
Precision at 10	0.7	0.7	0.7
Precision at 15	0.7(3)	0.7(3)	0.(6)
Individual Assessment	RRRRNRNRNR	RRRRNRNNR R	RRRRNRNNRR

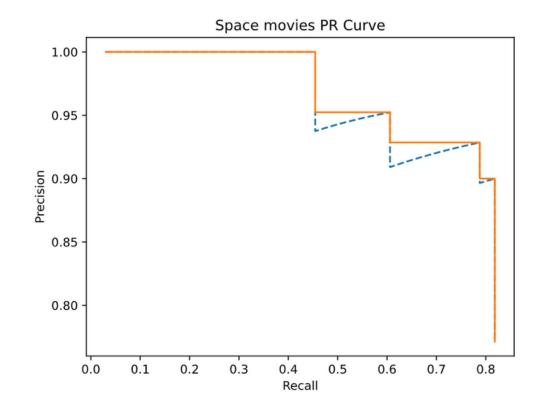


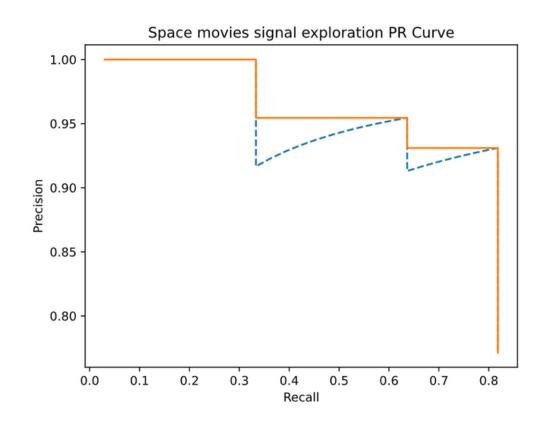


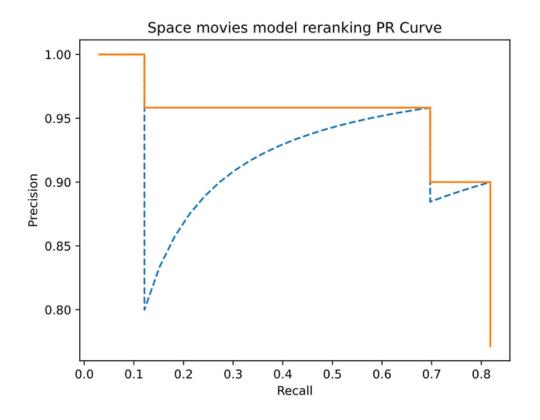


Results Space Movies

Metric	Normal	Signal	LTR
Average Precision	0.968987	0.961395	0.929099
Average Precision at 10	1.0	1.0	0.928263
Precision at 10	1.0	1.0	0.9
Precision at 15	1.0	0.9(3)	0.9(3)
Individual Assessment	RRRRRRRRR	RRRRRRRRR	RRRRNRRRRR

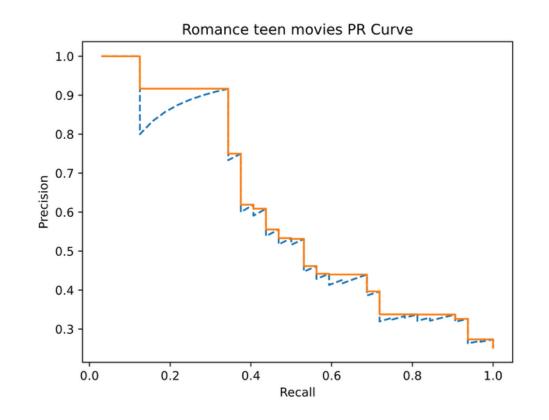


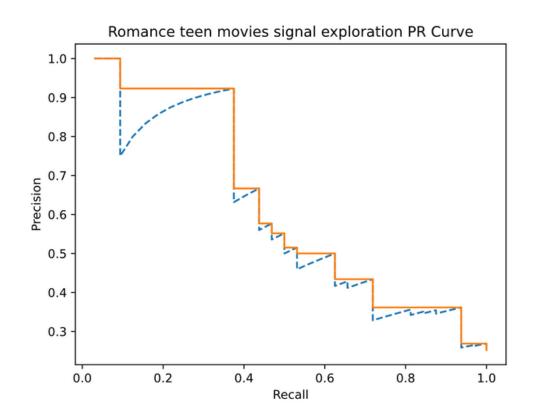


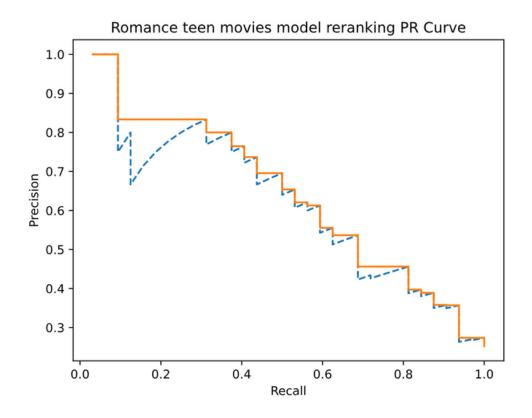


Restits Romance Teem Movies

Metric	Normal	Signal	LTR
Average Precision	0.601152	0.612675	0.633749
Average Precision at 10	0.928263	0.906041	0.855258
Precision at 10	0.9	0.9	0.8
Precision at 15	0.7(3)	0.8	0.8
Individual Assessment	RRRRNRRRRR	RRRNRRRRRR	RRRNRNRRRR







Any questions?