

## Generate recommendation statistics

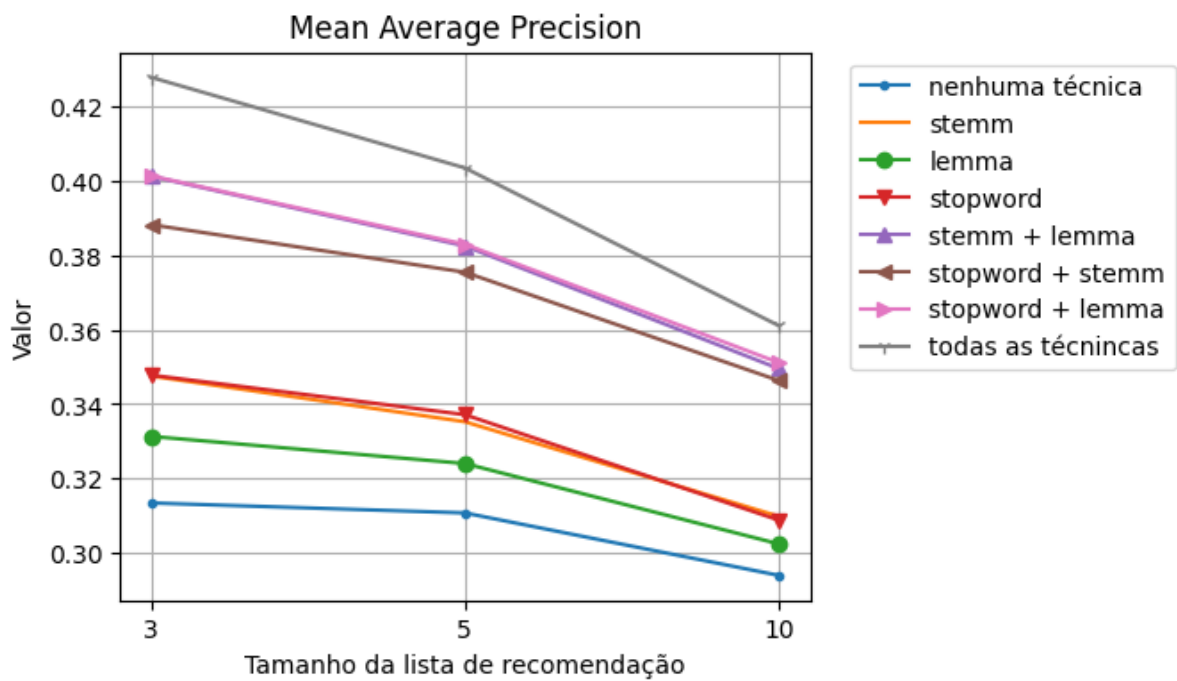
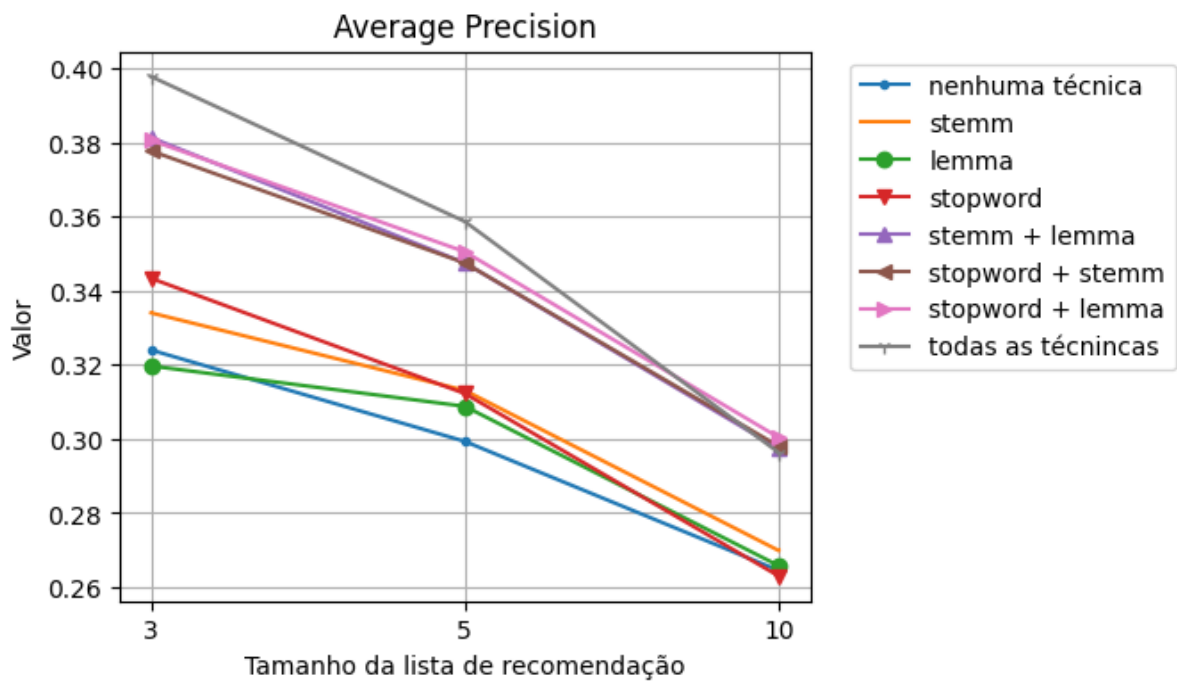
```
In [1]: import main
```

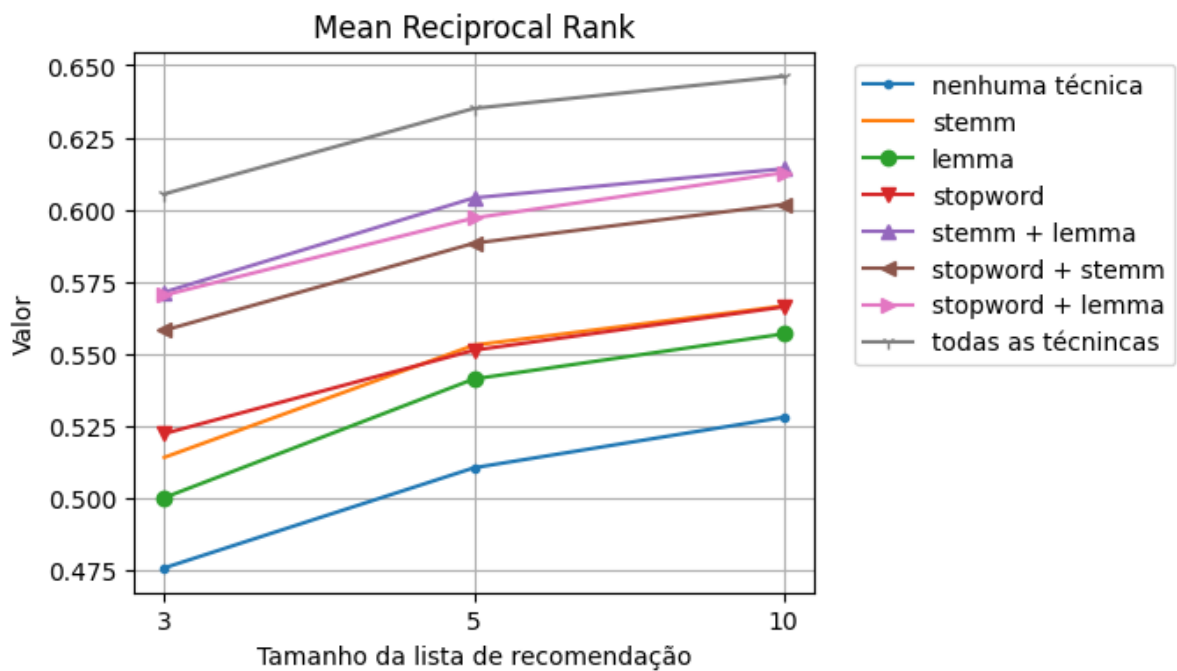
```
[nltk_data] Downloading package wordnet to
[nltk_data] C:\Users\JPIRES16\AppData\Roaming\nltk_data...
[nltk_data] Package wordnet is already up-to-date!
[nltk_data] Downloading package stopwords to
[nltk_data] C:\Users\JPIRES16\AppData\Roaming\nltk_data...
[nltk_data] Package stopwords is already up-to-date!
c:\Users\JPIRES16\Downloads\mata66-tcc-main\venv\lib\site-packages\tqdm\auto.py:21:
TqdmWarning: IProgress not found. Please update jupyter and ipywidgets. See https://
ipywidgets.readthedocs.io/en/stable/user_install.html
from .autonotebook import tqdm as notebook tqdm
```

## With MoviesLens dataset

```
In [2]: main.run_by_dataset_name("ml-latest-small")
```

[illegible]



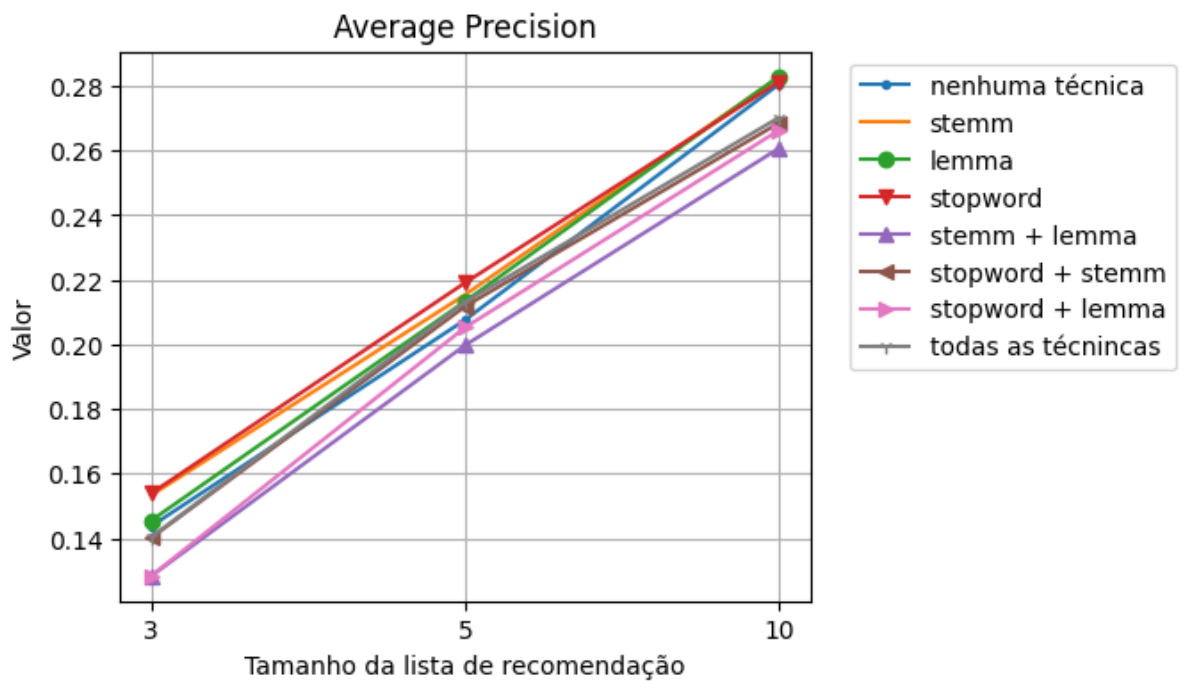


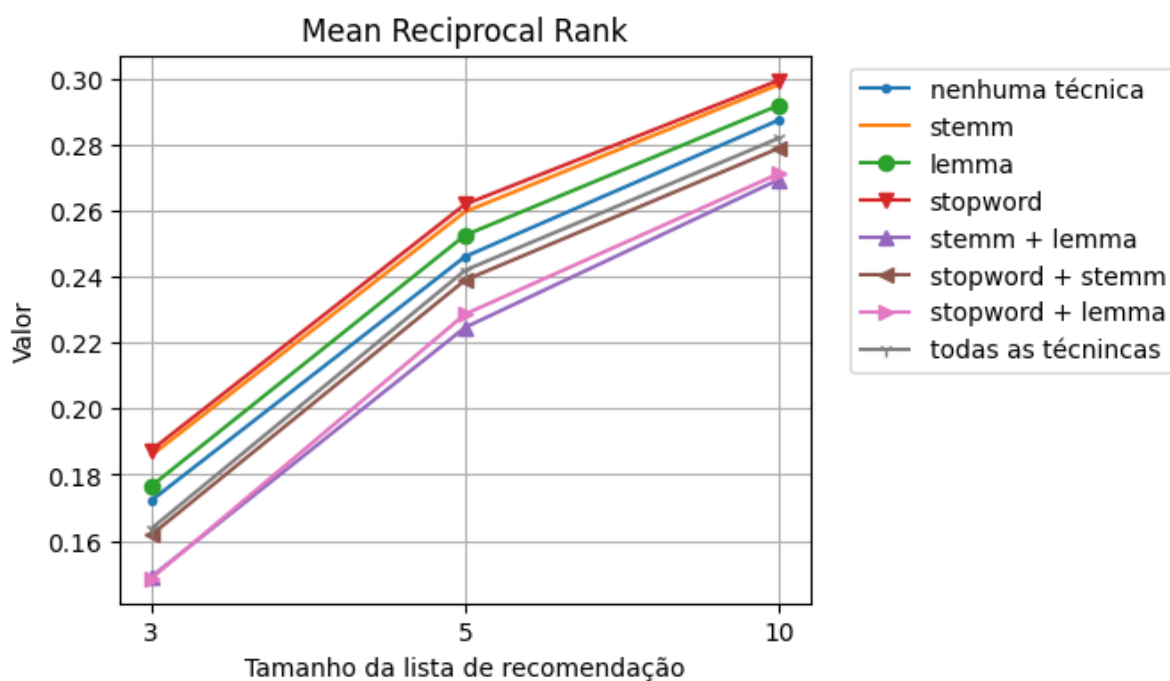
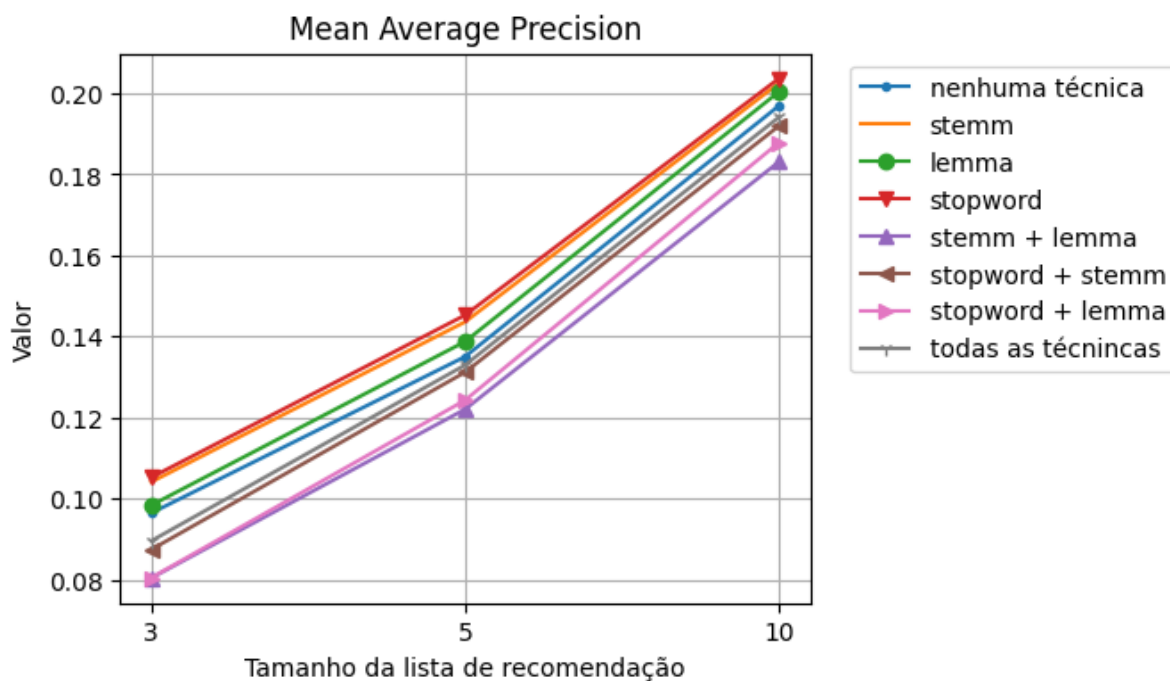
	metric	list_size	min_per	max_per	min_technique	max_techinque
0	prc	3	-1.327434	22.787611	lemma	todas as técnicas
1	prc	5	3.160920	19.827586	lemma	todas as técnicas
2	prc	10	-0.569106	13.577236	stopword	stopword + lemma
3	ap	3	5.718643	36.561189	lemma	todas as técnicas
4	ap	5	4.277606	29.892483	lemma	todas as técnicas
5	ap	10	2.881689	22.879081	lemma	todas as técnicas
6	rr	3	5.124341	27.279578	lemma	todas as técnicas
7	rr	5	6.039750	24.432896	lemma	todas as técnicas
8	rr	10	5.483146	22.417913	lemma	todas as técnicas

## With Jester Joke dataset

```
In [3]: main.run_by_dataset_name("jester-joke")
```

150 initial items.  
 54904 initial users.  
 1842083 initial ratings.  
 150 items, 6687 users and 274236 ratings  
 jaccard  
 22500 combinations!  
 start user recommendations.  
 22500 combinations!  
 start user recommendations.  
 22500 combinations!  
 start user recommendations.  
 22500 combinations!  
 start user recommendations.  
 22500 combinations!  
 start user recommendations.  
 22500 combinations!  
 start user recommendations.  
 22500 combinations!  
 start user recommendations.  
 22500 combinations!  
 start user recommendations.  
 22500 combinations!  
 combination 8



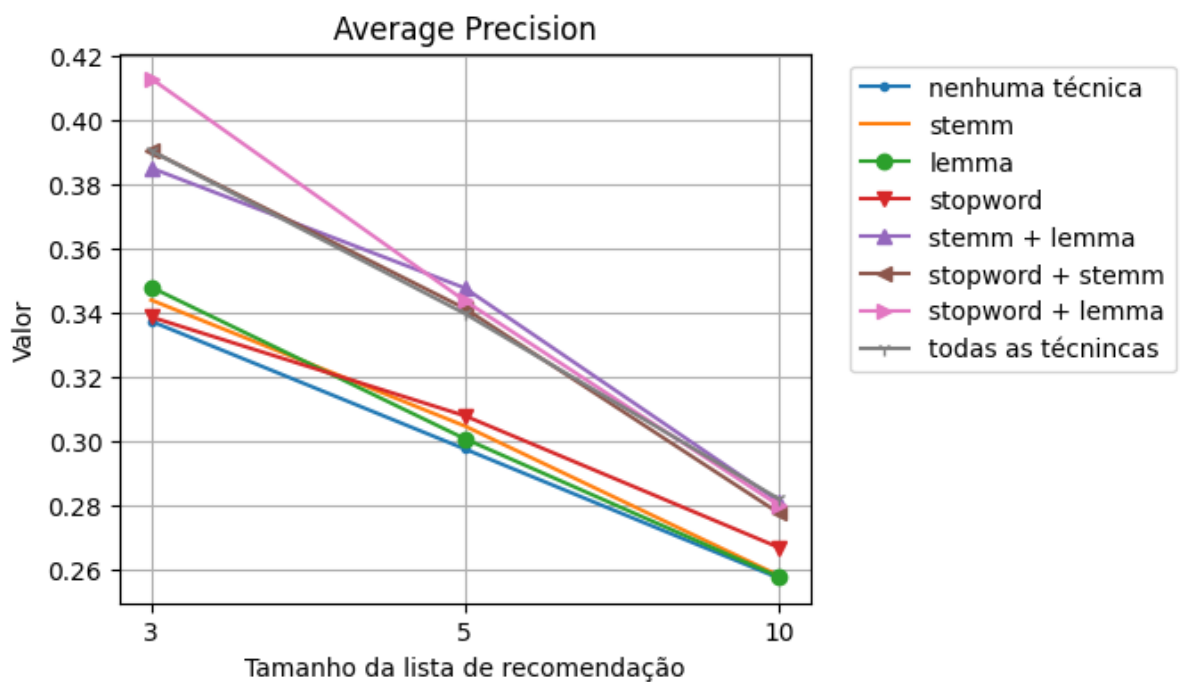


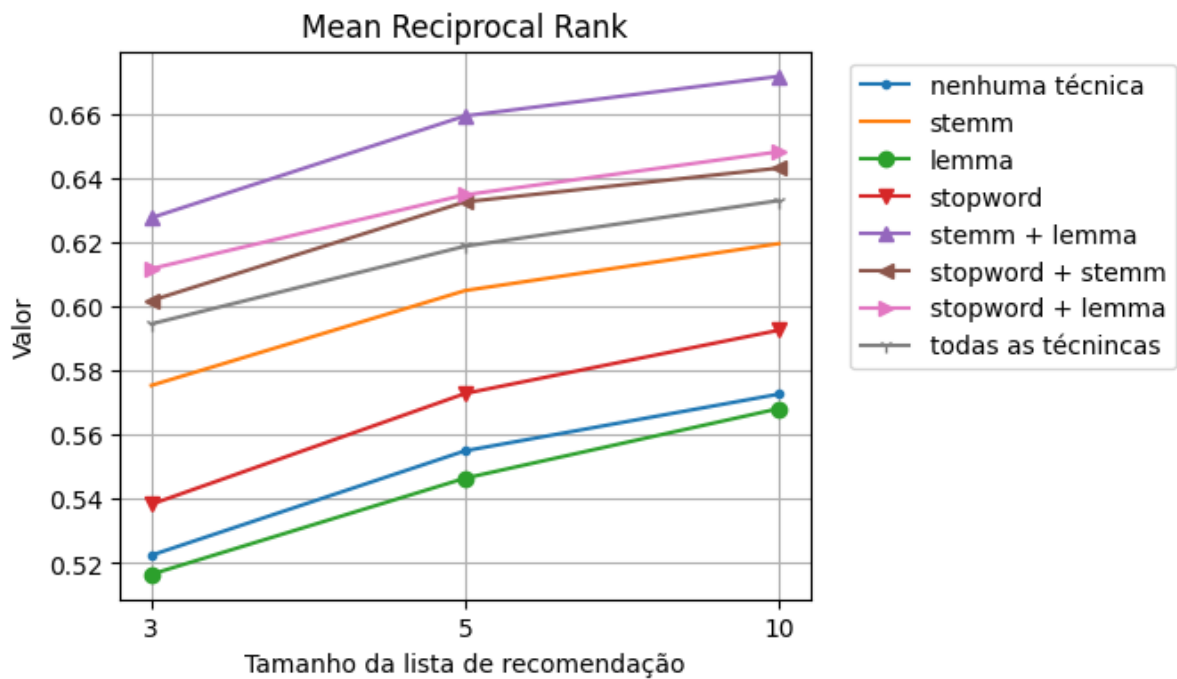
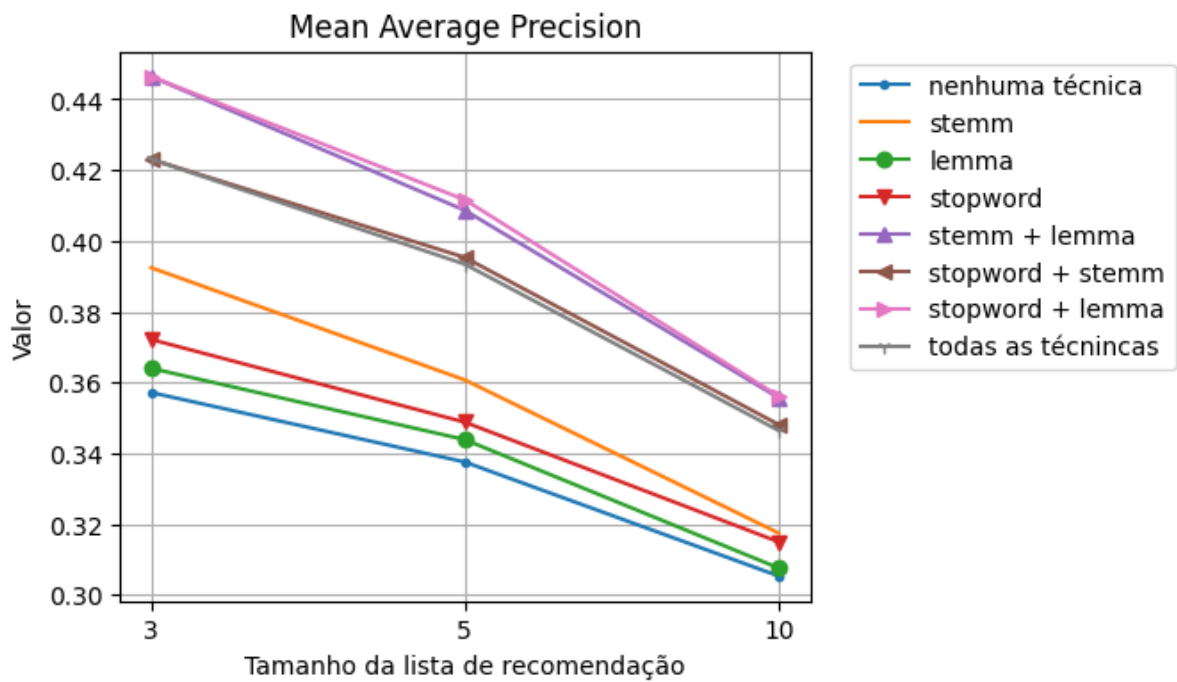
	metric	list_size	min_per	max_per	min_technique	max_technique
0	prc	3	-10.748960	7.073509	stemm + lemma	stopword
1	prc	5	-3.774672	5.546751	stemm + lemma	stopword
2	prc	10	-7.073184	0.852833	stemm + lemma	lemma
3	ap	3	-16.607804	9.122233	stemm + lemma	stopword
4	ap	5	-9.608022	7.587029	stemm + lemma	stopword
5	ap	10	-7.022883	3.420189	stemm + lemma	stopword
6	rr	3	-13.694268	8.859294	stopword + lemma	stopword
7	rr	5	-8.722120	6.435995	stemm + lemma	stopword
8	rr	10	-6.273230	4.188003	stemm + lemma	stopword

**With GoodReads Dataset**

```
In [4]: main.run_by_dataset_name("goodreads")
```

```
6492 initial items.  
252 initial users.  
12980 initial ratings.  
6492 items, 252 users and 12980 ratings  
jaccard  
42146064 combinations!  
start user recommendations.  
42146064 combinations!  
start user recommendations.  
42146064 combinations!  
start user recommendations.  
42146064 combinations!  
start user recommendations.  
42146064 combinations!  
start user recommendations.  
42146064 combinations!  
start user recommendations.  
42146064 combinations!  
start user recommendations.  
42146064 combinations!  
start user recommendations.  
combination 8
```





	metric	list_size	min_per	max_per	min_technique	max_techinque
0	prc	3	0.392157	22.352941	stopword	stopword + lemma
1	prc	5	1.066667	16.800000	lemma	stemm + lemma
2	prc	10	0.154083	9.553159	lemma	todas as técnicas
3	ap	3	1.913580	25.000000	lemma	stemm + lemma
4	ap	5	1.873408	21.951793	lemma	stopword + lemma
5	ap	10	0.737759	16.644900	lemma	stopword + lemma
6	rr	3	-1.139241	20.126582	lemma	stemm + lemma
7	rr	5	-1.537178	18.803622	lemma	stemm + lemma
8	rr	10	-0.787774	17.292807	lemma	stemm + lemma