



# Recommender System Evaluation

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ENTER



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# **MAP@k and NDCG@K Comparison with Random Titles**



## EXAMPLE - 1 SIMILAR TITLES



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### Original Recommendation

User ID: 1429235843

Project ID Title

107309	Is the product relevant to the query?
107309	Is the product relevant to the query?
74976	MMRepresentativeImageV2
54170	Microsoft Bing App test
54170	Microsoft Bing App test

### New Similar Recommendation and their MAP@k and NDCG@k scores

```
Crowd Spam Labeling - English
Is the product relevant to the query?
MMRepresentativeImageV2
Microsoft Bing App test
Check the similarity between two products
-----
MAP@5 score: 0.60
NDCG@5 score: 0.51
```

In the recommendation on right side, I made sure to add similar titles that are suggested by our recommender system to see how good of MAP@k and NDCG@k scores we are getting.



# EXAMPLE - 1 RANDOM TITLES



## Original Recommendation

-----  
User ID: 1429235843

Porject ID	Title
------------	-------

107309	Is the product relevant to the query?
107309	Is the product relevant to the query?
74976	MMRepresentativeImageV2
54170	Microsoft Bing App test
54170	Microsoft Bing App test

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## New RANDOM Recommendation and their MAP@k and NDCG@k scores

```
Get coupon information from websites
Selection of performers for text and webpage
Does the provided link contain coupons?
Compare Search Results - English - V2
Creation of English Ad Description
```

```
-----
MAP@5 score: 0.20
NDCG@5 score: 0.13
```

In the recommendation on right side, I made sure to add entirely different titles that are suggested by our recommender system to see how good of MAP@k and NDCG@k scores we are getting.



## EXAMPLE 2 - SIMILAR TITLES



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### Original Recommendation

User ID: 1718146027

Project ID Title

```
74976 MMRepresentativeImageV2
106175 Does the store have this product? (English)
72322 MMWatermarkImageDetection
110607 Image Relevance Superfresh V2 SFMMIR - English
78414 Check the similarity between two products
```

**New Similar Recommendation and  
their MAP@k and NDCG@k scores**

```
Check the similarity between two products
Does the store have this product?
MMWatermarkImageDetection
Video Relevance Labeling (English) - New and improved
Is the product relevant to the query?
```

MAP@5 score: 0.40

NDCG@5 score: 0.51



## EXAMPLE - 2 WITH RANDOM TITLES



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### Original Recommendation

User ID: 1718146027

Project ID	Title
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74976	MMRepresentativeImageV2
106175	Does the store have this product? (English)
72322	MMWatermarkImageDetection
110607	Image Relevance Superfresh V2 SFMMIR - English
78414	Check the similarity between two products

**New RANDOM Recommendation and their MAP@k and NDCG@k scores**

Compare Search Results - English - V2  
Crowd Spam Labeling - Russian  
Selection of performers for text and webpage classification  
Is the ad relevant to the given query  
Get coupon information from websites

MAP@5 score: 0.20

NDCG@5 score: 0.34



## EXAMPLE 3 - SIMILAR TITLES



01

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### Original Recommendation

User ID: 1430094402

Project ID	Title
------------	-------

113582	Сравните Результаты Поиска - Русский язык - V2-
89350	Crowd Spam Labeling - Russian
113574	Compare Search Results - English - V2
110607	Image Relevance Superfresh V2 SFMMIR - English
110615	Image Relevance Superfresh V2 SFMMIR - Russian

**New Similar Recommendation and  
their MAP@k and NDCG@k scores**

Film yourself on front and back cameras  
[Toloka] Prueba de comprensión de español  
Crowd Spam Labeling - English  
Video Relevance Labeling (English) - New and improved  
Image Relevance Superfresh V2 SFMMIR - English

MAP@5 score: 0.60

NDCG@5 score: 0.64



## EXAMPLE - 3 WITH RANDOM TITLES



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### Original Recommendation

User ID: 1430094402

Project ID	Title
------------	-------

113582	Сравните Результаты Поиска - Русский язык - V2-
89350	Crowd Spam Labeling - Russian
113574	Compare Search Results - English - V2
110607	Image Relevance Superfresh V2 SFMMIR - English
110615	Image Relevance Superfresh V2 SFMMIR - Russian

### New RANDOM Recommendation and their MAP@k and NDCG@k scores

Does the provided link contain coupons?  
Microsoft Bing App test  
Is the product relevant to the query?  
Does the store have this product?  
MMWatermarkImageDetection

MAP@5 score: 0.00

NDCG@5 score: 0.00





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**THANK YOU!**