query review

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| --- | --- | --- | --- | --- |
| Evaluation metric | BM25 | Vector Space Model | Language Model with Dirichlet Smoothing | Language Model with Jelinek Mercer Smoothing |
| R-prec | 0.1054 | 0.0896 | 0.1055 | 0.0896 |
| Recip\_rank | 0.6162 | 0.5311 | 0.6108 | 0.5311 |
| P@5 | 0.4647 | 0.3805 | 0.4673 | 0.3805 |
| P@10 | 0.4312 | 0.3588 | 0.4347 | 0.3588 |
| P@100 | 0.0431 | 0.0359 | 0.0435 | 0.0359 |
| MAP@5 | 0.0670 | 0.0556 | 0.0676 | 0.0556 |
| MAP@10 | 0.0908 | 0.0736 | 0.0910 | 0.0736 |
| MAP@100 | 0.0908 | 0.0736 | 0.0910 | 0.0736 |
| NDCG@5 | 0.4891 | 0.3974 | 0.4922 | 0.3974 |
| NDCG@10 | 0.4771 | 0.3939 | 0.4792 | 0.3939 |
| NDCG@100 | 0.1916 | 0.1617 | 0.1906 | 0.1617 |

query tip

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| Evaluation metric | BM25 | Vector Space Model | Language Model with Dirichlet Smoothing | Language Model with Jelinek Mercer Smoothing |
| R-prec | 0.0347 | 0.0321 | 0.0338 | 0.0321 |
| Recip\_rank | 0.3796 | 0.3413 | 0.4044 | 0.3413 |
| P@5 | 0.2335 | 0.2084 | 0.2593 | 0.2084 |
| P@10 | 0.2085 | 0.1880 | 0.2263 | 0.1880 |
| P@100 | 0.0208 | 0.0188 | 0.0226 | 0.0188 |
| MAP@5 | 0.0198 | 0.0181 | 0.0206 | 0.0181 |
| MAP@10 | 0.0238 | 0.0218 | 0.0250 | 0.0218 |
| MAP@100 | 0.0238 | 0.0218 | 0.0250 | 0.0218 |
| NDCG@5 | 0.2455 | 0.2165 | 0.2735 | 0.2165 |
| NDCG@10 | 0.2284 | 0.2041 | 0.2497 | 0.2041 |
| NDCG@100 | 0.0763 | 0.0694 | 0.0812 | 0.0694 |