



## #21 (1571018281): The Impact of Varying Knowledge on Question-Answering System

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**Paper title** The Impact of Varying Knowledge on Question-Answering System

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**Abstract** Scale up the large language models to store vast amounts of knowledge within their parameters incur higher costs and training times. Thus, in this study, we aim to examine the effects of language models enhancing external knowledge and compare the performance of extractive and abstractive generation tasks in building the question-answering system. To ensure consistency in our evaluations, we modified the MS MARCO and MASH-QA datasets by filtering irrelevant support documents and enhancing contextual relevance by mapping the input question to the closest supported documents in our database setup. Finally, we materiality assess the performance in the health domain, our experience presents a promising result not only with information retrieval but also with retrieval augmentation tasks aimed at improving performance for future work.

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**Status** Active (has manuscript)

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### Regular review

Rev.	Reviewer	Actions	Review	Novelty and originality	Technical content and scientific rigour	Quality of presentation	Relevance and timeliness	Overall Recommendation
A		completed	Review					
B	Duy-Huy Nguyen	completed	Review	Some interesting ideas and results on a subject well investigated. 3	Valid work but limited contribution. 3	Readable, but revision is needed in some parts. 3	Acceptable 3	Accepted