Work Progress
Demo: KNN Search with Incremental Query Answering

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Summary

Action Items for Jaouhara
Done:

AI 1	Kashif: Complete Implementation of Parallel Incremental Query Answering. (without computing query time)
AI 2	Kashif: Change result data type to avoid unnecessary memory allocation. Run Kashif on a larger dataset.
AI 3	Think of another way to compute recall without storing all knn results in memory.

In progress:

AI 2	(part 2) Run kashif on 500k dataset (7/10 queries)

Issues:

I 1	Precision decreases as k increases.

Querytime, recall and precision evaluation
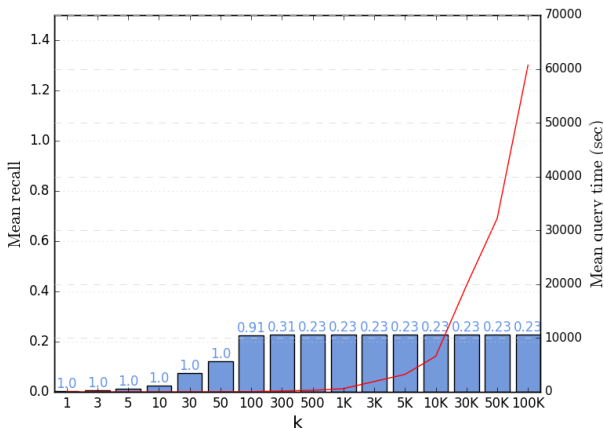
Experiment on 500k tables, 2.5M columns, 25M vectors.
1 Query of size 91.

Figure: Kashif Average Recall