Work Progress

Demo: KNN Search with Incremental Query Answering

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Summary

Action Items for Jaouhara

Done:

Al 2	Reproduce the error that occurs when running Kashif
	on a large dataset.

In progress:

Al 1	Implement Parallel Incremental Query Answering.		
Al 4	Run kashif on larger datasets. Cannot run process		
	as root. Error: "Sorry, user jaouhara.chanchaf is		
	not allowed to execute 'bin/dstree' on server		
	server150012".		

Error when running kashif with large k value

Experiment on 500k tables, 2.5M columns, 25M vectors. 10 Queries of size [50 - 100].

k = 10M



Figure: Kashif Average Recall

Querytime, recall and precision evaluation

Experiment on 100k tables, 494k columns, 5M vectors. 10 Queries of size [50 - 100].

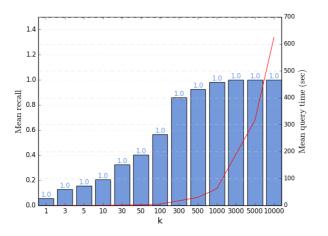


Figure: Kashif Average Recall

WDC Web Table Corpus 2015 - Statistics about English-language Relational Subset

Statistics:

#tables	50,820,165	
#columns	235,087,091	
datasize	69 GB	

Column type distribution:

String	46.9%
Numeric	51.8%
Date	1.2%
Others	0.1%