No	Issues	Experiment	Draft	Date
1.	A new dataset for motivation? I have tried many times, could not find the best one.	-	-	3 Dec – 6 Dec
2.	Rectifying bound on Adaptive Pruning Schemes	Done	Not yet	-
3.	 Applying multi queries shared computations Combine target and reference query in one query instead of using two queries (done) Combine aggregate function (Instead of views (a1, m1, f1), (a1, m2, f2)(a1, mk, fk), each requiring execution of two queries, We combine these views into a single view (a1, {m1, m2mk}, {f1, f2fk})) Combine multiple GROUP BY (I don't know how to implement this) Compare the performance among three scenarios (SeeDB with combine aggregate function, DiVE, DiVE with combine aggregate function) 	In progress	Not yet	3 Dec – 12 Dec
4.	Proposing another applicable distance for context driven similarity (currently use Jaccard) I have experiences using Cosine Similarity for measuring document similarity. I do not yet have a clear intuition on where one should be preferred over the other especially for the case of view similarity. Up to now I have no idea what another distance function that can be used except Jaccard and Cosine Similarity.	Need confirmation	-	-
5.	Dealing with hierarchical dataset. The dataset contains such as location dimensions (city, state, province, country), time dimensions (Year, Week, Quarter, days), product dimensions (product categories) commonly can be processed by OLAP queries. We need to find a way to calculate the similarity and dissimilarity between two views which have hierarchical attributes	In progress	Not yet	6 Dec – 13 Dec
6.	Prediction interval on adaptive Pruning. We decide to rely on non-parametric predictive interval models to determine maximum value with	Not yet	Not yet	10 – 14 Dec

	certain level of confidence.			
	Generally, PI can be defined as following:			
	PI80: need to execute 9 sample of views			
	PI85: need to execute 12 sample of views			
	 PI90: need to executes 20 sample of views PI95: need to executes 40 sample of views 			
	 P195: need to executes 40 sample of views P197: need to executes 60 sample of views 			
	F137. Heed to executes 00 sample of views			
	The result of our experiments show that PI can be			
	used effectively on adaptive pruning. However, in			
	our experiments, we used relatively small size of			
	the number of views.			
	I am not sure, if we have e.g., more than 10000			
	views that need to be evaluated. For instance,			
	PI97 requires 60 sample of views, which is just			
	very small size if we compare to the population			
	(e.g., 10000 views)			
	In Directill and line has to the increase 2			
	Is PI still applicable to this issue?			
7.	Axes Recommendations	Not yet	Not yet	10 – 14 Dec
	In our experiment, I defined by myself which			
	attributes will be on X-axis and Y-axis.			
	I put categorical attribute as X-axis and numerical			
	attributes as Y-axis with the aggregate function.			
	However, in some case, attribute such as 'age'			
	more suitable to be X-axis with binning not Y-axis.			
	How to deal with these kind of situation?			
8.	False discovery	Not yet	Not yet	17 – 21 Dec
	Lyond come namers which feets are this issue.			
	I read some papers which focus on this issue. Up to now, we did not consider yet with the false			
	discovery.			
	- 0.000 vc. y.			
	For instance, one of view in top-k set does not			
	make sense due to the wrong combination of			
	axes.			
	We did not consider the relationship between			
	attributes to make sure that we are not			
	discovering false views.			
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	In some works, they show that the view is			
	statistically significant by applying hypothesis test.			

9.	Coverage should be mentioned	Not yet	Not yet	17 – 21 Dec
	Two types of query load in the experiments: 1. Compare between two subsets (e.g., disease vs. no disease) – targeted/ we know what we want to do (total number of views are less than No 2)			
	 Compare between one subset to whole dataset (get all subsets from dataset then compare to whole dataset). For instance, Flights dataset has attribute = 'carrier' and there are a lot of carrier (e.g., AA, US, XX, UU), each carrier is a one subset. 			
	If we only compare between each subset to whole dataset, it only show the trend of each subset compared to whole dataset.			
	 It seems interesting if we compare among subsets (e.g., AA vs. US, US vs. XX, AA vs. UU, etc). But it increases the number of combination significantly. 			
	For instance, user may need to know the performance comparison of carrier AA vs. XX in terms of arrival delay. However, I think it depends on user want.			
	Do we need to compare among all subsets in the dataset? or we need subset recommendation to know which subset that the user wants?			
	In our experiment, we did a comparison between disease and no disease such as in no 1.			
	If we run the experiment for the case of no 3, do we need to do the all combinations? or just sampling and mention the coverage?			
10.	Subset recommendation	Not yet	Not yet	-
	This work will be the second topic of my PhD, which is focus on subset recommendation. I am going to used Active learning to select the sample subsets and include the user feedback.			
11.	IEEE Transaction Journal draft	Not yet	Not yet	-
12.	Confirmation document	Not yet	Not yet	-