Notes from Sharmadha about Graphs for VLDB paper

I have attached in this mail, some of the graphs we discussed we would include for the paper.

1) depth vs dye fluoresence scatterplots for original dataset, ~1000 windows, ~1000 frames, from sampling dataset for tow2.cnv.

(I have yet to create the graph for sampling from dataset case. We had only created these for the 6 datasets set)                                               4 graphs

2) histograms for 6 datasets - includes scientist's depth slices, windows and frames (tow09, tow06, tow05, tow15, tow13 and tow08)

(I have yet to create those for tow09, tow05, tow15 and tow08)                                                                                                                               6 graphs (3 in each)

3) emd graph for windows and frames (3 framing schemes), piece-wise constant optimal approx. for avg. flsp for tow04                                      1 graph

4) Relative error of frames over windows for the 6 datasets, and Datapoints in the computation                                                                             2 graphs

5) Performance analysis of aggregate query execution for 3 datasets using windows, segmentation threshold frames

and delta frames                                                                                                                                                                                                        1 graph

Besides this, we have queryplan figure to motivate delta frame and fill frame in the implementation section.

Thank you,

Sharmadha

Kristin’s VLDB Plot list

Scatter plots

Histograms 6,13

Sideways plot

Phillip Plot

Execution time comparison