

# Homework 3

Due: 1pm Monday Feb 17

Using the techniques we have discussed in class, read the following [QueryVis] paper:

[QueryVis, Anonymous Authors]: Automatically generated diagrams help users understand complicated SQL queries faster.

In this assignment, you'll write a review of this paper [QueryVis] and answer a few specific questions about the paper. Please follow the template below, typing a few sentences for each section. Your submission must be typed and in a machine-readable PDF (no scans) and no longer than 2 pages. Use your own words, do not copy sentences or phrases from the text.

1. Summarize the paper's contributions (in a few sentences and your own words).
2. List 3 or more strong points, labeled S1, S2, S3, etc. A strong point could be a novel insight, a positive comment on the clarity or depth of the methodology, a comment on the impact of the work, or any scientific contribution you found noteworthy and interesting.
3. List 1 or more weak points, labeled W1, W2, W3, etc. A weak point could be an assumption you do not feel is valid, an experiment that you feel should have been done but wasn't (state why you felt it was needed), a specific point in the paper that you felt was unclear, or any weakness you found in the scientific development.
4. The authors compare their work with work on existing 1) visual query languages (VQLs), 2) interactive query builders, 3) query visualizations and 4) information visualization. In which of the 4 categories does their work fit best into and why? While answering this question articulate on the differences between query composition and query interpretation.
5. In a few sentences (no more than 6 sentences) describe the process of generating the visual diagrams proposed by the authors starting from a SQL query. What are the main steps involved in this transformation process?
6. The authors state that their visual diagrams are minimal and effective. Describe the methodology (no more than 6 sentences) the authors used to support their claims.