CSCI 8715: Spatial Databases: Review for Group 1 (P7)

Title of Paper:
Literature Survey on Spatio-Temporal Data Models and Query Languages

Authors:
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Reviewer Team:
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Summary:

Focus:
- Does the paper clearly identify the problem it is addressing? 
The paper clearly identifies the problem it is addressing which is to provide a literature review of existing spatio-temporal database models and to compare the models based on concept used, approach and applications.
- Does the paper clearly explain related work and their limitations? 
Yes, the paper explains the related work and its limitations.
- Does the paper identify its key contributions? 
An explicit section on contributions section is not present in the draft though there are some lines on the contribution in the “Motivation and related work section”.
- Does the paper present any evidence to support the contribution claim? 
Not applicable.

Technical Evaluation:
- Is the literature survey complete? 
The paper sites 19 references. If needed more papers could be added to the reading list.
- Is the work novel relative to the literature? Explain. 
The work is novel relative to the literature. As the survey includes the latest research in this field which is not present in the surveys which exist as of now.
- As a reviewer do you agree with the contribution claims? Explain. 
Yes, we agree with the contribution claim. There is a limited body of work which exists in this area none of which includes the recent research.

Readability and Organization:
- Is the paper easy to read and understand to students in this course (Csci 8715)? 
Though the paper is easy to read and understand some organizational changes may be required.
- Is the paper self-contained? 
Yes, the paper is self contained.
- Is the paper length reasonable? 
The paper length is reasonable but may be increased depending on the scope.
- Does it include sufficient number of figures and tables? 
Yes, the paper includes sufficient figures and tables.
Strengths:
The strengths of this paper are:
- Comparison of spatiotemporal queries in a table is quite detailed.
- Easy to understand for both advanced and novice readers.
- The paper includes lot of figures and charts for easy understanding.

Areas of Improvements:
Suggestions for Improvement:
- The organization of the paper is not discussed in any section.
- Heading and subheading need to be distinguished and numbered. Also, each heading should have a little introduction about the topic before going into actual details.
- It would be helpful to include one introductory paragraph before every table/chart.
- A separate section should be included on contributions.