View Reviews

Paper ID
683

Paper Title
Tabview: A Visual Interface for Generating Preview Tables of Entity Graphs

Track Name
Demonstration

REVIEWER #1

REVIEW QUESTIONS

1. Relevant for ICDE
Yes

2. Originality of the Demo
Interesting But Not Too Novel

3. Overall Rating
Weak Accept

4. Strong Points
S1) Good-looking minimal interface.
S2) Design choices based on previous research.
S3) Fair demonstration examples.

5. Weak Points
W1) Only one dataset is provided for the demonstration scenarios.
W2) Very restrictive that most demonstration scenarios use the same number of key and non-key attributes.
W3) The authors should add brief, intuitive descriptions elaborating on how the key attributes and the sample entries are selected in the introduction section.
W4) Impossible to test the usability of the system (a live demo would help).

6. Detailed Comments
The authors present TabView, a tool that assists data workers to preview (in the form of small tables) the schema and the data of a large entity graph. The system produces "
tables" based on previous research of some of the authors. Each preview table is based on an important entity of the graph and those attributes which are very related to the
Furthermore, for each preview table a small number of sample entries are presented.

The authors describe in great detail the basic user interface of their demo and the provided screenshots and proposed demonstration scenarios help the reader to get a goo
how the system works. However, it would be nice if the authors would provide a live demo or their source code to help the proper examination of their system under differen

In addition, the demonstration scenarios are very limited determining that the audience should select a particular value for the key and non-key attributes. The authors shoul
serious consideration to let the audience to experiment freely with the parameters of the system. Moreover, loading a second dataset (and not only Freebase) would also be
interesting.

Finally, the authors should include in the introduction section brief, intuitive descriptions elaborating on how the key attributes and the sample entries of the preview tables a

REVIEWER #2

REVIEW QUESTIONS

1. Relevant for ICDE
Yes

2. Originality of the Demo
Substantially New Idea

3. Overall Rating
Weak Accept

4. Strong Points
(S1) Visualization and exploration of large graphs is indeed challenging and is a pain-point for many.
(S2) The paper is an implementation of a (recently published) interesting algorithm which aims to generate preview tables for large entity graphs.

5. Weak Points
(W1) I am not convinced in using tables to preview graphs. The whole point of having graphs is to emphasize connections between entities, which are implicit in tabular repr
not clear how connections are explored in the proposed system.
(W2) Given W1, the demonstration should clearly show that proposed approach is superior to more graph-centric summarization and clustering approaches. Comparison wi
summarization algorithm is not sufficient.
(W3) Entire paragraphs of this paper are copied verbatim from authors' previous work published in last year's ICDE. This includes complete sections on scoring measures an
(which were most interesting to me). This is self-plagiarism, and it is not acceptable.

6. Detailed Comments
Authors propose a tool which helps navigate large heterogeneous entity graphs.
This work has the following contributions:
(C1) Implementation of a tool which uses previously published algorithm which produces preview tables for a given entity graph.

This work has a strong general motivation (S1) and is based on an interesting algorithm (S2). However, this work lacks a clear demonstration of its superiority to more graph-preview approaches (W1,2) which should be the main purpose of this demo.

Strong points:
(S1) Visualization and exploration of large graphs is indeed challenging and is a pain-point for many.
(S2) The paper is an implementation of a (recently published) interesting algorithm which aims to generate preview tables for large entity graphs.

Weak points:
(W1) I am not convinced in using tables to preview graphs. The whole point of having graphs is to emphasize connections between entities, which are implicit in tabular repr not clear how connections are explored in the proposed system.
(W2) Given W1, the demonstration should clearly show that proposed approach is superior to more graph-centric summarization and clustering approaches. Comparison wi summarization algorithm is not sufficient.

Minor weak points:
(W3) Entire paragraphs of this paper are copied verbatim from authors' previous work published in last year's ICDE. This includes complete sections on scoring measures ar (which were most interesting to me). This is self-plagiarism, and it is not acceptable.

REVIEWER #3

REVIEW QUESTIONS

1. Relevant for ICDE
Yes

2. Originality of the Demo
Interesting But Not Too Novel

3. Overall Rating
Accept

4. Strong Points
S1. The demo paper is well written.
S2. The components of the system are very clear and doable.
S3. The demonstration plan is feasible.

5. Weak Points
W1. Some description in the demo is not very clear.

6. Detailed Comments
This paper aims to show the RDF graphs in a customized format, for example, preview tables, schema graphs, or summarized schema graphs. The demo is very interesting scale RDF graphs are hard to be viewed and visualized. Tables or graphs are good formats to visualize such graphs.

However, some issues should be clarified with more details. For example, in Section I, authors should clarify how to define the term "entity graphs".