

View Reviews

Paper ID

814

Paper Title

Maverick: A System for Discovering Exceptional Facts from Knowledge Graphs

Track Name

Demonstrations

REVIEWER #1

REVIEW QUESTIONS

1. Overall Rating

Weak Accept

2. Relevant for PVLDB

Yes

3. Summary of the paper (what demonstration is being proposed and in what context) and a brief justification of your overall recommendation (one paragraph).

A demonstration for exceptional fact discovery in KB is shown. The paper is in good presentation with nice system showcase.

4. Demonstration Scenario

OK, but the demo scenario is not perfectly clear.

5. Significance

The paper is on a hot research area and the authors have made a demo that can make it much easier to understand the results in this area.

6. Presentation

Excellent: careful, logical, elegant, easy to understand

7. Three (or more) strong points about the paper (Please be precise and explicit; clearly explain the value and nature of the strong points with respect to the quality of the demonstration scenarios presented).

- ok demonstration

- good presentation

8. Three (or more) weak points about the paper. Please indicate clearly whether the paper has any mistakes, missing related work (remember though that there is not much space in a demo paper), or insufficient details about the demonstration scenario. Write it so that the authors can understand what are seen as negative points.

- interaction feature is somewhat weak

9. Detailed Evaluation (Demonstration quality, Pros/Cons, Errors); please number each point and focus primarily on the demonstration scenarios proposed and the efforts of the authors to make it easier to understand a complex topic via an intuitive demonstration.

A demonstration for exceptional fact discovery in KB is shown. The paper is in good presentation with nice system showcase.

REVIEWER #2

REVIEW QUESTIONS

1. Overall Rating

Accept

2. Relevant for PVLDB

Yes

3. Summary of the paper (what demonstration is being proposed and in what context) and a brief justification of your overall recommendation (one paragraph).

The paper presents an interesting system (called Maverick) for discovering exceptional facts from knowledge graphs. The main idea is very interesting.

4. Demonstration Scenario

Very nicely explains the demonstration scenarios and how the audience will experience the demo.

5. Significance

The paper is on a hot research area and the authors have made a demo that can make it much easier to understand the results in this area.

6. Presentation

Excellent: careful, logical, elegant, easy to understand

7. Three (or more) strong points about the paper (Please be precise and explicit; clearly explain the value and nature of the strong points with respect to the quality of the demonstration scenarios presented).

1) The originality of this paper is very high.

2) I think the presentation of this paper is very good. It is easy for me to understand.

8. Three (or more) weak points about the paper. Please indicate clearly whether the paper has any mistakes, missing related work (remember though that there is not much space in a demo paper), or insufficient details about the demonstration scenario. Write it so that the authors can understand what are seen as negative points.

The evaluation of this paper seems poor.

I think authors need to discuss the performance evaluation issues.

9. Detailed Evaluation (Demonstration quality, Pros/Cons, Errors); please number each point and focus primarily on the demonstration scenarios proposed and the efforts of the authors to make it easier to understand a complex topic via an intuitive demonstration.

Overall, I think the paper seems interesting and good in terms of presentation.

For a revision request, I strongly suggest authors to consider the performance measurements (precision).

REVIEWER #3

REVIEW QUESTIONS

1. Overall Rating

Weak Accept

2. Relevant for PVLDB

Yes

3. Summary of the paper (what demonstration is being proposed and in what context) and a brief justification of your overall recommendation (one paragraph).

This work presents a system for discovering exceptional facts from knowledge graphs named Maverick, in which a user portal and a cache sever are highlighted.

This demo proposes some interesting ideas, and the technical details are from a SIGMOD 2018 paper by the same authors.

4. Demonstration Scenario

OK, but the demo scenario is not perfectly clear.

5. Significance

The paper is on a hot research area and so it is important to demonstrate it to a wider audience.

6. Presentation

Reasonable: improvements needed

7. Three (or more) strong points about the paper (Please be precise and explicit; clearly explain the value and nature of the strong points with respect to the quality of the demonstration scenarios presented).

S1. This demo is interesting, and has a few merits from ideas to techniques.

S2. The demonstration plan consists of sufficient cases.

8. Three (or more) weak points about the paper. Please indicate clearly whether the paper has any mistakes, missing related work (remember though that there is not much space in a demo paper), or insufficient details about the demonstration scenario. Write it so that the authors can understand what are seen as negative points.

W1. The major problem lies in that the demo proposal is not self-explaining, which makes it hard to follow.

For example, in section 2, three exceptionality functions (Isolation, Outlierness and One-of-the-few) are mentioned without definition/illustration.

Dilemma arises as the said research paper is not available for reference for the time being; it is the responsibility of the authors to avoid such dilemma.

W2. The demonstration plan should be refined to give a better organization.

9. Detailed Evaluation (Demonstration quality, Pros/Cons, Errors); please number each point and focus primarily on the demonstration scenarios proposed and the efforts of the authors to make it easier to understand a complex topic via an intuitive demonstration.

Please refer to weak comments.
