Reviewer’s report

Title: Estimating parameters for probabilistic linkage of privacy-preserved datasets

Version: 1 Date: 08 May 2017

Reviewer: Rainer Schnell

Reviewer’s report:

The paper has improved a lot and I have no further objections with the exception of some very minor points.

1. Most articles refer to the F-measure with a capital F (in my perception at least).

2. The article of Hand/Christen on the critique of the F-measure has just been published. Since this describes the strange properties of F, it might be the explanation for the surprising result (P.20, line 21).

3. Reference 20 contains a lot of material, but without further details, I doubt that someone will find an alternative estimation method to EM (page 7, line 15) there. Please indicate the procedure or method you refer to.

4. I would use a small n instead of N in the RMSE equation.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics
Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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