Authors' Responses to Reviewer's Comments

Manuscript id 2021-162

OTrecod: An R Package For Data Fusion Using Optimal Transportation Theory

Article status reminder:

 $1^{\rm st}$ submission: September 23, 2021

 $2^{\rm nd}$ submission (major corrections): July 25, 2022 $3^{\rm rd}$ submission (minor corrections): October, 2022

Authors thank the Editor and associated reviewers for their global appreciations and for giving them the opportunity to submit a revised draft of the manuscript called "OTrecod: An R Package For Data Fusion Using Optimal Transportation Theory" for publication in R-Journal.

Following the minor corrections raised in the email dated 3 October 2022, please find below our point-by-point responses. In this document, the two reviewer's comments are recalled in bold font while our answers are in normal font.

The corresponding revisions in the manuscript are highlighted with a yellow font in a joint pdf document called "revised_article.pdf" (section bibliography).

Reviewer's comments and related answers

1st Reviewer's comment —

Paper revision looks good. The code fails here:

Using the CRAN version of the package. RJ policy is that the package has to be on CRAN.

Our response —

The new version of the OTrecod package (version 0.1.2) is now available on CRAN since October 5, 2022 as described in:

https://cran.r-project.org/web/packages/OTrecod/index.html This update takes into account all the modifications proposed to provide positive issues to reviewers' comments in July 2022 (date of the 2nd submission of the paper).

Until October 2022, this last version was only available on GitHub at: https://github.com/otrecoding/OTrecod/tree/master/R, the development web site of the package.

As mentioned earlier, the update of the package to CRAN was voluntarily delayed during the review of the second submission of the article (to avoid too frequent updates of the package to CRAN).

Installing and loading this new version of the package from CRAN now solve the mentioned error met on the verif_OT function, as described below:

And the paper does not latex. There appears to be an error somewhere in these two references:

```
\bibitem[Vantaggi(200]{Vantaggi08}
B.~Vantaggi.
\newblock Statistical matching of multiple sources:
            A look through coherence.
\newblock \emph{Int. J. Approx. Reason.},
                49\penalty0 (3):
                    \penalty0 701--711, 2008.
\newblock URL
  \url{http://dblp.uni-trier.de/db/journals/ijar/
                                ijar49.html#Vantaggi08}.
\bibitem[Zeileis et~al.(200Zeileis, Hothorn, and
                                            Hornik] {RF2}
A. "Zeileis, T. "Hothorn, and K. "Hornik.
\newblock Model-based recursive partitioning.
\newblock \emph{Journal of Computational and Graphical
                Statistics},
17\penalty0
(2): \neq 0.1
```

Our response —

These two references have been verified and new related bibtexs have replaced the previous ones in the new version of the RJwrapper.pdf document: these are the only changes made between the two versions.

We confirm that the pdf document compiles from a LateX document via the overleaf platform. Here are the old and new references related to these two articles:

OLD REFERENCES:

- Vantaggi. Statistical matching of multiple sources: A look through coherence. Int. J. Approx. Reason., 49 (3):701-711, 2008.
 URL http://dblp.uni-trier.de/db/journals/ijar/ijar49.html#V antaggi08. [p1]
- 2. Zeileis, T. Hothorn, and K. Hornik. Model-based recursive partitioning. Journal of Computational and Graphical Statistics, 17(2):492–514, 2008. [p12]

NEW REFERENCES:

- Vantaggi. Statistical matching of multiple sources: A look through coherence. Int. J. Approx. Reasoning, 49:701–711, 11 2008. doi: 10.1016/j.ijar.2008.07.005. [p1]
- Zeileis, T. Hothorn, and K. Hornik. Model-based recursive partitioning. Journal of Computational and Graphical Statistics, 17(2):492–514, 2008. doi: 10.1198/106186008X319331. URL https://doi.org/10.1198/106186008X319331. [p12]