

R2wd: Writing MS-Word Documents from R

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R2wd is a package for creating new and modifying existing *MS-Word* documents. It allows to outline the document structure (title, headings, sections), insert text content, *R* graphs in metafile and bitmap formats, *R* dataframes as *Word* tables, mathematical formulas written in a *LaTeX* like style, and to apply *Word* themes to the document. Bookmarks of all inserted elements are created automatically which can be useful in building cross references and in creating tagged PDF documents from the original *Word* documents. **R2wd** helps creating documents automatically from *R* scripts and thereby supports automatic and traceable reporting. In addition, the code behind the **R2wd** functions serves as a tutorial on how to use *COM* objects under Windows. In this talk, we shall show how **R2wd** works and point out which tasks already work well and where there are still challenges. Although **R2wd** has already been used in real automatic reporting situation, it is still work-in-progress. We encourage the community of *R* users to help us in making **R2wd** more reliable and powerful.

By default **R2wd** is based on the **rcom** package which, in turn, makes use of the *statconnDCOM* connector. It can also be adapted to work with the legacy **RDCOM** package.

References

Thomas Baier and Erich Neuwirth (2007) Excel :: COM :: R, *Computational Statistics* 22/1, pp. 91-108.