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WORCS: A Workflow for Open Reproducible Code in Science

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Workflow for Open Science

and institutions, and will help fulfill them. It can also be used in the absence of top-down support or guidelines to produce work in accordance with best practices. Although the principles underlying this workflow are universal, WORCS has first been implemented for R users (R Core Team, 2020). The R package `worcs` (Van Lissa, Peikert, & Brandmaier, 2020) offers a project template for RStudio (RStudio Team, 2015), which is, effectively, a "one click solution". This paper introduces the WORCS workflow, discusses how it meets best practices for open science, and illustrates the use of the `worcs` package.

Workflow for Open Reproducible Code in Science (WORCS)

Phase 1: Study design

- Create OS compliant repository
- Dependencies management
- Open the code directly from OSF's language
- Add open materials
- Add preregistration
- add manuscript
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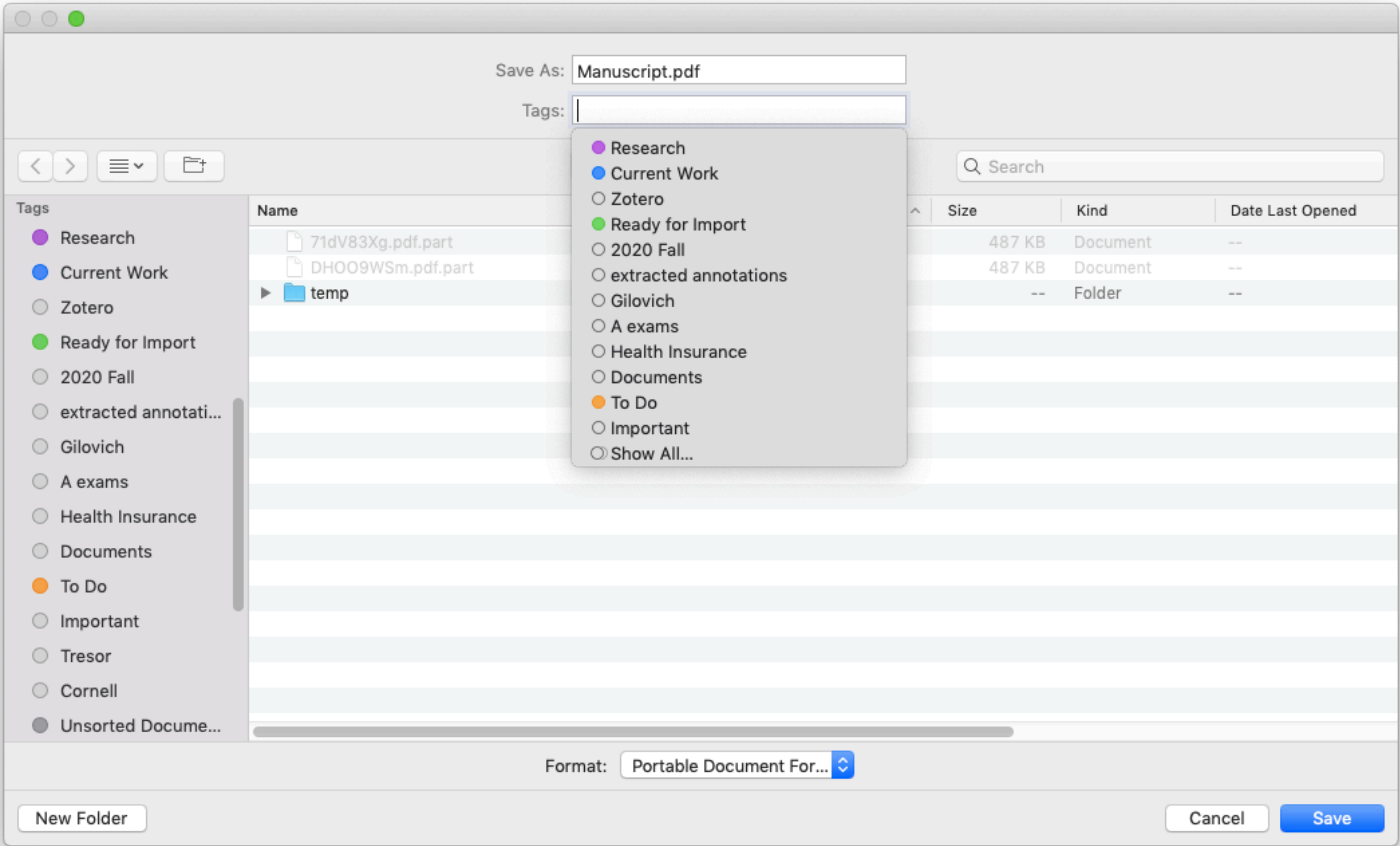
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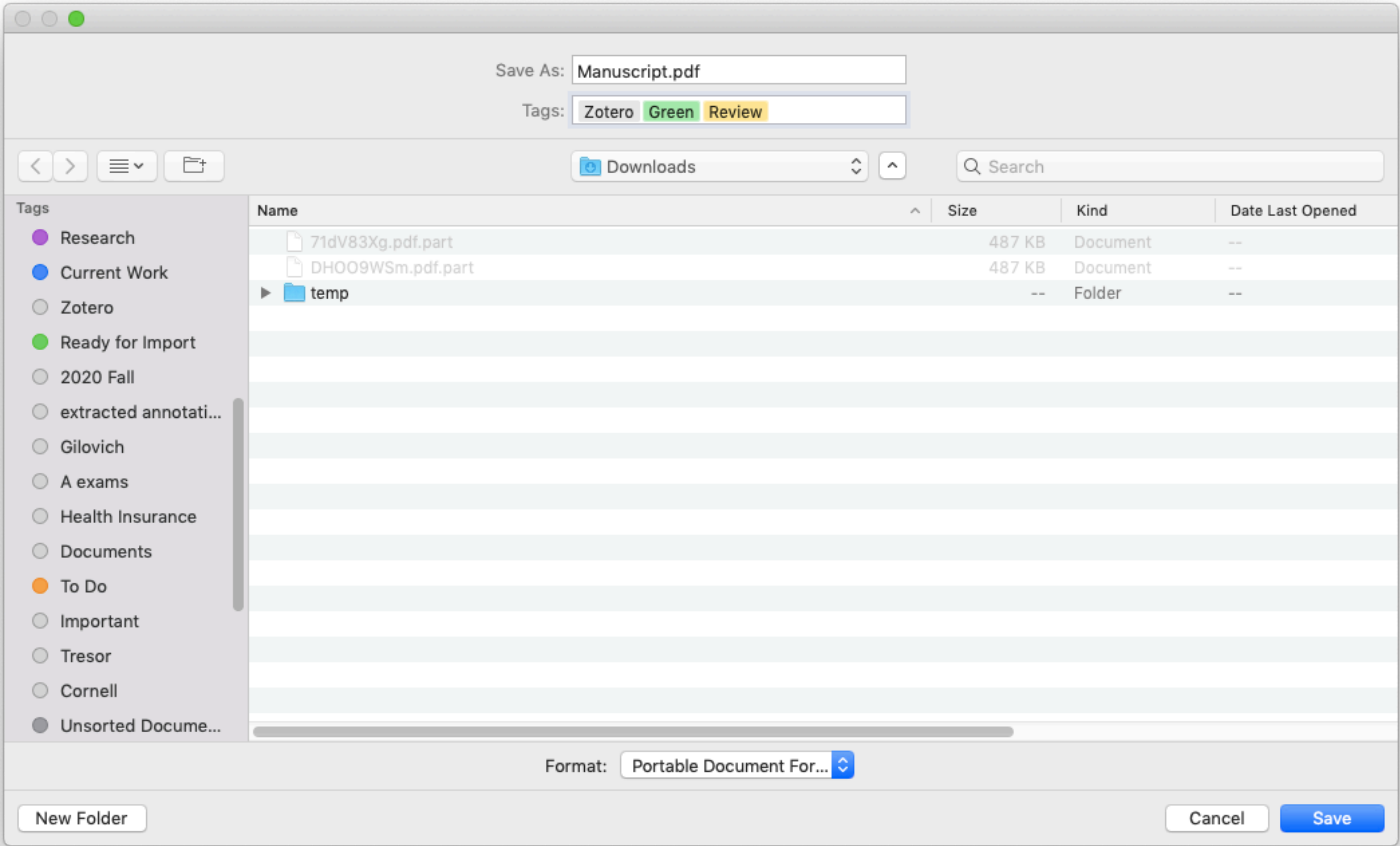
Adopting open science principles can be challenging and time-intensive, because doing so requires substantial conceptual education and training in the use of new tools. The goal of this paper is to lower the threshold to adoption. We introduce the Workflow for Open Reproducible Code in Science (WORCS). WORCS constitutes a step-by-step procedure ...

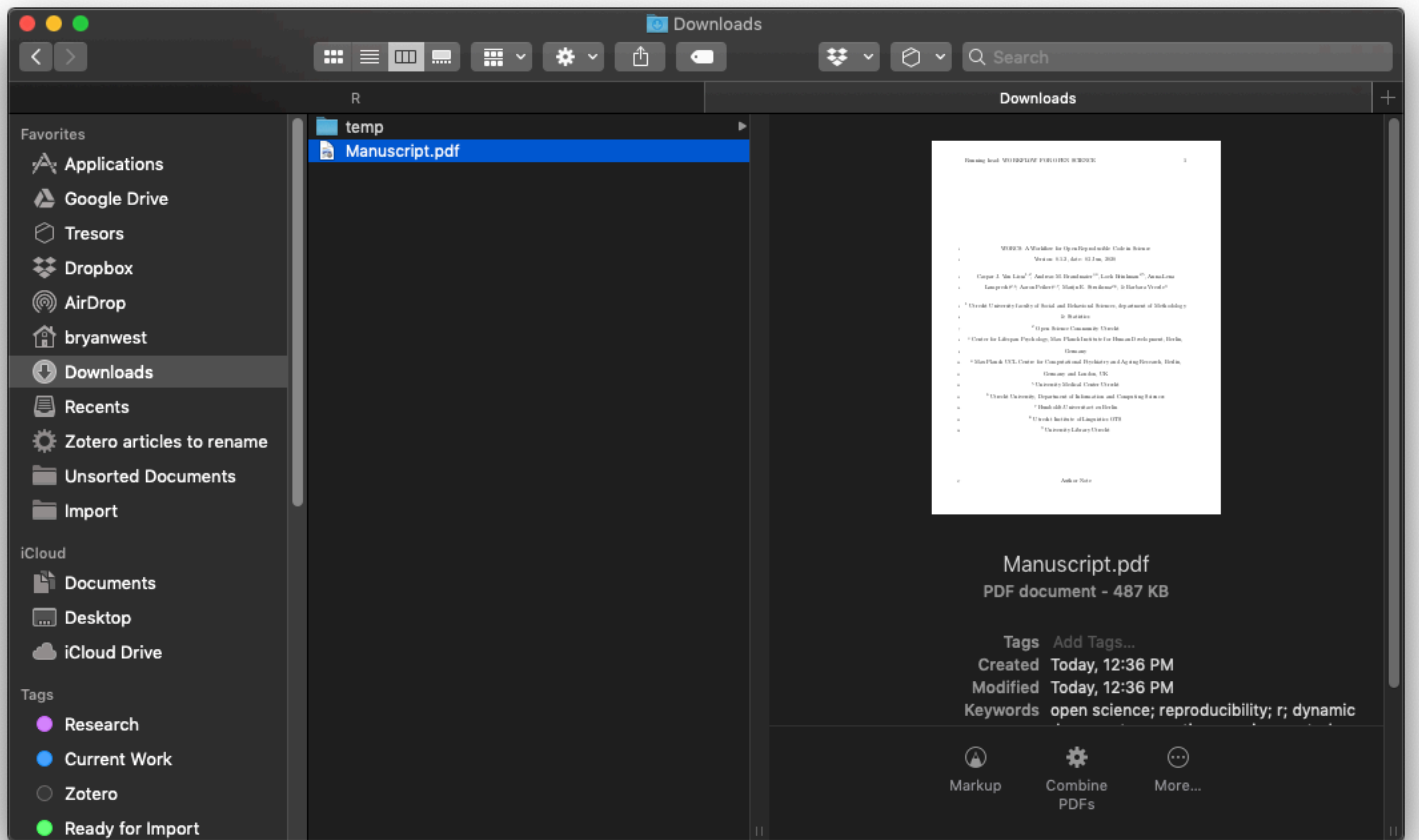
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