Review of: "Open Science Project DMP - Team Atreides"

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Potential competing interests: No potential competing interests to declare.

This review has been conducted following the guidelines proposed in *Data management plan: guidance for peer reviewers* [Economic and Social Research Council, UKRI, 2019].

The Data Management Plan (DMP) provides a good starting point for managing data in the upcoming research project.

Assessment of Existing Data:

The DMP shows that the team has thought carefully about using existing data sources.

A few things should be noted: about the possibility to assign outputs with persistent identifiers, to my knowledge, GitHub actually provides the option to obtain persistent identifiers (permalinks) for files in the repository; moreover, in future versions of the DMP, as the team gains a better understanding of the data, adding more metadata could help.

Information on New Data:

The DMP explains well how data will be stored and formatted and describes well the IRIS dataset. However, it could be clearer about the new data the project will create. Adding more details about what this data will be and how it relates to the research questions would be helpful.

Quality Assurance of Data:

The plan outlines well steps for ensuring data quality. It could provide more specifics on how data will be checked for accuracy and consistency.

Backup and Security of Data:

There's a good plan for backing up data and controlling versions, but it could mention if there are any specific policies for backing up data locally.

Expected Difficulties in Data Sharing:

The DMP says there shouldn't be any big problems with sharing data, but it might be a good idea to think about possible challenges as the project goes on.

Copyright/Intellectual Property Rights:

The DMP acknowledges the importance of copyright and plans to use Creative Commons licenses.

Responsibilities:

It's clear who's responsible for managing data, which is important for accountability.

Preparation of Data for Sharing and Archiving:

The DMP shows a commitment to documenting data well, but it could offer more information on metadata for datasets to make them easier to find and use.

Overall, the DMP is a very good start. It could be improved with more details on the new data: while the IRIS dataset is described, it would be beneficial to outline the new data the project will generate to address its research questions. Also, adding the research questions themselves to the overall description would provide valuable context for reviewers.