Plan Overview

A Data Management Plan created using DMP Tool

Title: Data Proficiency Across Disciplines

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Copyright information:

Data Proficiency Across Disciplines

Data generated by the project

The Data Management Plan should describe the types of data, samples, physical collections, software, curriculum materials, or other materials generated by your project. Any data collection required by the program announcement should be incorporated into the proposal's Data Management Plan. For example, the management of assessment, evaluation, or monitoring data required for all projects within a given program should be addressed in the data management plan. Describe your plan for managing the data.

The project will generate curriculum materials generated from text-based formats such as Markdown, LaTex, and R programming code. In addition, periodic assessment data will be collected in the form of surveys and reports.

Period of data retention

EHR is committed to timely and rapid data distribution. However, it recognizes that types of data can vary widely and that acceptable norms also vary by scientific discipline. It is strongly committed, however, to the underlying principle of timely access, and applicants should address how this will be met in their Data Management Plan.

All curriculum materials will immediately be made freely available on GitHub in an account managed by one or more of the principle investigators. Librarians at the University of Rhode Island, University Libraries will be consulted to determine an appropriate strategy for retaining both the curriculum materials and assessment data.

Data format and dissemination

The Data Management Plan should describe data formats, media, and dissemination approaches that will be used to make data and metadata available to others. Policies for public access and sharing should be described, including provisions for appropriate protection of privacy, confidentiality, security, intellectual property, or other rights or requirements. Research centers and major partnerships with industry or other user communities must also address how data are to be shared and managed with partners, center members, and other major stakeholders. Data on EHR projects involving human subjects should be made available to the public subject to constraints imposed by IRB decisions. Other data, such as software, publications, and curricula, should be made available subject to intellectual property rights.

All numeric data will be saved as comma delimited files with accompanying metadata and documentation. All assessment data will be de-indentified. Textual data will be saved as plain ASCII or marked up (Markdown, LaTEX) ASCII files. All marked up files will also be rendered into PDF/A format.

Data storage and preservation of access

The Data Management Plan should describe physical and cyber resources and facilities that will be used for the effective preservation and storage of research data. These can include third party facilities and repositories.

These materials will be maintained on GitHub and backed up nightly to University of Rhode Island servers currently in use to host RStudio for the College of Environment and Life Sciences and will include regular backups to a cloud-based service or other campus IT infrastructure. Investigators will consult with University of Rhode Island librarians to determine appropriate long term strategies for preservation which might include the University Library's instance of DigitalCommons.

Additional possible data management requirements

More stringent data management requirements may be specified in particular NSF solicitations or result from local policies and best practices at the PI's home institution. Additional requirements will be specified in the program solicitation and award conditions. Principal Investigators to be supported by such programs must discuss how they will meet these additional requirements in their Data Management Plans.

Question not answered.