A Rubric to Evaluate Core Data Management Plan Components

The Project
A multi-institutional project to develop and use an analytic rubric to evaluate data management plans that have been submitted to the National Science Foundation (NSF) at five academic research institutions.

Outputs
1) An analytic rubric to standardize the review of data management plans as a means to inform research data services at academic institutions and other research organizations.
2) A study utilizing the rubric that presents the results of data management plan analyses at five universities.

Project Phases
1) Acquire access to DMPs
2) Prototype, test and refine analytic rubric
3) Use rubric to analyze DMPs at 5 research intensive US universities
4) Share results of analyses and apply to research services and infrastructure
5) Finalize & share rubric

The Rubric
A rubric is a descriptive scoring tool. An analytic rubric collects detailed information about sub-components of the work being assessed, through independent evaluation of various criteria. Excerpts of two sections of the rubric are shown below (please note: this is not the finalized rubric, and display logic controls the question displayed based on the NSF directorate and division of the DMP).

Premise
Researcher creates knowledge; reveals capabilities; practices; informs needs.

Current Workflow
Data entry via Qualtrics survey
Data cleaning, exploration, filtering
Export CSV file to Excel, R, SPSS, etc.

What’s Next?
Full analysis using rubric:
- Review ~100 DMPs each
- Intra- & inter-institution analyses
Share the rubric & our research results

Project Team
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Q2. Section 3: Policies for access and sharing

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<th>Complete / detailed</th>
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If data are submitted to supplementary materials sections of peer-reviewed journals, directions plan to do so.

If the data are deemed to be of a "sensitive" nature, directions what protections will be put into place to protect privacy or confidentiality of research subjects.

If project personnel plans to retain IP, directions what intellectual property rights to the data and supporting materials will be granted to the public and which will be retained by project personnel (if any). All directions.