Collaborative Research: Resource of Open Problems for Education (ROPE)

Data Management Plan

Spencer Hamblen

The types of data that are to be produced and managed in the course of this project are those having to do with the problems that are being stored in the ROPE database, and user data for registered users of the site. Data about problems will include problem and solution text and metadata describing the problems. User data will include usernames (as the users provide them) and e-mail addresses, a system password, information about problem ratings and comments they have entered into the system and (optionally) the users' names and other contact information. All of these data will be maintained in the ROPE database.

The security of the database will be provided for by the management of the server. Login access to the server will be limited to those requiring it (system administrators and the programmers working on the project), and it will be maintained with an up-to-date and secure Linux operating system. Physical access to the server will be restricted by maintaining it in a locked server room to which only authorized personnel will have access.

All problem and feedback data submitted by users will be governed by the Terms of Service of ROPE, which will specify that ownership of the submitted data is retained by the users and that all submitted material will be managed under an appropriate open license, most likely a Creative Commons attribution-share alike license. (The choice of license will be made by the PIs after consultation with the Advisory Group at the beginning of the project.) This will allow other users to take, modify and use the problems in the library.

We do not anticipate the need to archive or remove data from the library's database, and so expect that these data will continue to be accessible.