

PLASMA: Practical LABs in Security for Mobile Applications

Data Management Plan

Expected Data

The expected data to be generated during the course of this project are:

1. Created modules and supporting materials
2. Technical papers describing our findings
3. Course observations and student feedback
4. User feedback generated from course and outreach usage
5. Course materials, such as lectures and slides, homework assignments, and projects
6. Student participation and retention rates
7. Aggregate scores from provided quizzes
8. Adoption information from non-partner institutions

Data Retention and Storage

To protect student privacy, we only will share the student learning data in summary form so that we can monitor the level of dissemination for any required reporting. We will also protect the feedback from instructors and use the anonymous responses only for continuous improvement efforts. We will share the results of the surveys and the assessment instruments we develop. Relevant survey instruments will be made available through our website.

Confidential data, including individual survey responses and grade data, will not be released to outside parties. This data will be retained throughout the life of the project in anonymous form and used to generate annual reports and the final report to NSF. Once the project has concluded, this data will be retained for one year, then purged. All non-confidential data generated by this project will be retained for a minimum of three years after the conclusion of the award, including data that is not specifically disseminated as described in the following section. We will use file storage services provided by RIT to ensure secure preservation of data during the retention period.

Data Dissemination

Technical papers generated during the course of the project will be published in academic journals and conference proceedings. Papers published in venues without archival proceedings, as well as technical reports not otherwise published, will be disseminated via arXiv.

Data produced from the proposed research activities will be made available either publicly on PI Krutz's website or, for sensitive data, available upon request by other researchers. All created project materials will be made available through the project's website.

Standard reports for the NSF will be generated and electronically submitted through normal channels. We may use summary reports for pedagogical purposes so that other approved institutions may see our results and lessons learned. Annual and final reports will evaluate our adherence to this Data Management Plan.