

## Plan Overview

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*A Data Management Plan created using DMPTool-Stage*

**Title:** Collaboration as a means of retention

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**Funder:** United States Department of Education (ed.gov)

**Funding opportunity number:** 10120

**Template:** Institute of Education Sciences (US Dept of Education)

**Last modified:** 06-04-2014

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## Collaboration as a means of retention

Luis Meza is the owner and sole project manager for this project.

All data collection and archiving will be done by me.

Adherence to this data plan will be tracked by checking records kept at public locations like OSF.io

All information gathered will belong to the institution I currently am working with, in this case NMSU

Within the context of this study, I would expect to track student progress in the form of formal quizzes and hands on lab assignments. Time studies and practical exercises to determine knowledge base improvements will also play a large factor on results obtained. The measurement of knowledge is something many times overlooked and hard to determine by standardized tests. By changing projects from one semester to the next, while keeping the practical exercises similar, the possibility for cheating on individual performance is minimized.

Many of the written test results will be in the form of multiple choice test. This is done because much of the technical material covered comes with standardized tests that are used to credential and certify students at the national level.

Many of the hands on performance based results will come in the form of project check sheets meeting minimum performance standards. This too is done this way to meet certification requirements at the national level.

Participants in this study are students and their identities will not be available to anyone other than myself. Results of study will only be made available as participant number with no way of tracing identity of individual.

To date, I do not see any restrictions on the sharing of results, but the contents of proprietary tests written by the authors of the national certification tests given will not be made available.

I plan on using OSF.io as the main repository of the metadata/documentation submitted in hopes that others can see my results and possibly provide feedback. Perhaps with each iteration of the process an improvement on performance by both the students and process can be obtained.

Most, if not all of the data results will be made available for public scrutiny in hope that an improvement on student success will also result in an increase to student retention.

In the event data sharing is restricted because of proprietary licensing, the study test results will be made available

and an explanation made available to this.

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