

Fall 2021 Sabbatical Leave Report

Submitted by Irene Palacios, Grossmont College

Sabbatical Project Title: Instructional OER Modules for Math Students in Elementary Statistics (Math 160)

I dedicated my sabbatical to building OER materials, making adaptations, and additions to meet our current Elementary Statistics Math 160 Course. By building connections with colleagues statewide I was able to see how other colleges were successfully meeting the needs of their first-year students in a transfer level math course. Finding existing models, allowed me to adopt one; making additions and adaptations as needed. Since “doing” is at the core of learning, having algorithmic generated problems was not only necessary but critical.

Creating a ready to use Canvas shell with algorithmic generated problems, instructor resources with pacing to run with our version of Elementary Statistics was the final product for this sabbatical project. Department input early on, contributed to streamlining a course that anyone could copy and make their own. As the Math 160 Course Coordinator, I will continue to offer professional development for successful implementation of this OER model. As it relates to our college and district, this sabbatical project will contribute in continuing to honor our commitment to students by breaking down barriers to student success.

As this sabbatical project focused on the post AB705 classroom, it now adds to the body of OER material available statewide benefiting educators nationally in making the learning of Statistics possible for the non-STEM learner. Because open access to course materials sets the stage for equitable practices in the classroom, this sabbatical project will have long ranging benefits to our students, department, college, and community of learners.

As sharing and reporting is concerned, I conducted a workshop during flex week to go over the accomplishments of this sabbatical project. This workshop appeared on the VRC calendar for Jan 26th, 2022 at 3:30 pm. My sabbatical project also led to an update in our department COR for Math 160 to include the OER Textbook, Instructor Resources and Canvas homework as seen below.

- Lumen Learning with Sidney Nataro and Ira Rosenthal. **Open Learning Initiative’s Concepts in Statistics**, CC BY
- **Math 110 Statistics with Instructor Resources**, Department of Mathematics, Los Medanos College, 2020, <https://4cd.instructure.com/courses/48111/modules> content by OLI, CC BY 3.0