



PROJECT-SET

Statistics Education for Teachers

MATH 598 – Statistics & Modeling for Teachers Summer 2014 Course Syllabus

Location: University Hall 2712

Instructor

Dr. Anna Bargagliotti

Office: U Hall 2711

E-mail: abargagl@lmu.edu

Project-SET is an NSF-funded project that aims to develop innovative curricular materials to enhance the ability of high-school teachers to foster students' statistical learning. These materials will be useful for teacher preparation institutions, school districts, professional development programs, and individuals interested in furthering their own statistical knowledge. All materials will be geared towards helping high-school teachers implement the *Common Core Standards* for statistics as well as closely align with the learning goals outlined in the *Guidelines for Assessment and Instruction in Statistics Education: A Pre-K–12 Curriculum Framework* (GAISE) report.

MATH 598 represents the second pilot of the Project-SET materials. The materials have been developed over the past two years through collaboration among teachers and researchers from across the United States. The materials focus on two primary topics: Sampling Variability and Regression. Although the focus of the course is on these two topics, the course materials engage a wide range of other statistics concepts, while representing a deep, rather than broad, approach to the learning of statistics. This deep approach to the learning of statistics is intended to model the recommendations of the *Common Core* and GAISE frameworks. In addition to developing participants' understanding of statistics, the course materials also address students' thinking about these topics, as well as approaches to the teaching of these concepts.

Expectations

1. **Meetings.** The course is highly interactive and involves a substantial amount of cooperative learning.
2. **Participation.** Participation is required. A large portion of the meeting times will be spent in collaborative problem solving and discussion (both of the assigned readings and the classroom activities). You should come to class ready to engage with others and prepared to work to solve

problems. This is not a “sit and get” course. So, the more you put into the work that we do in the class, the more you will get out of the course.

3. **Tasks.** In addition to the collaborative activities, you will be assigned one task per day to complete individually at home. We will discuss your solutions in class. Each of these tasks will be graded and returned to you the next meeting time. The purpose of these tasks is to provide you with the opportunity to apply and discuss what we have done during the class period and receive feedback on your written work.
4. **Work Outside of Class.** You will be given a reading each day and an open-ended task assignments.

Disabilities: Loyola Marymount University does not discriminate on the basis of disability in the recruitment and admission of students, the recruitment and employment of faculty and staff, and the operation of any of its programs and activities, as specified by federal laws and regulations. *The student has the responsibility of informing the course instructor (at the beginning of the course) of any disabling condition, which will require modification to avoid discrimination.* Faculty are required by law to provide "reasonable accommodation" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty at the beginning of the semester and in providing authorized documentation through designated administrative channels.

Written Assignments and Academic Misconduct: All written work submitted must be the student's original work and conform to the guidelines of the *American Psychological Association (APA)* available online and via their publications. This means that any substantive ideas, phrases, sentences, and/or any published ideas must be properly referenced to avoid even the appearance of plagiarism. It is the student's responsibility to know all relevant university policies concerning *plagiarism*. Any documented cases of plagiarism can and will result in dismissal from the course with a failing grade, and may result in other more serious sanctions by the University.