DEVELOPING SECONDARY PRESERVICE MATHEMATICS TEACHERS' STATISTICAL KNOWLEDGE FOR TEACHING

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The MODULE(S^2) project funded by the National Science Foundation in the United States has created teacher education curriculum materials that develop preservice secondary (grades 6-12) mathematics teachers' statistical knowledge for teaching. This poster presentation will share the design principles of the project that detail our approach to developing teachers' statistical content knowledge while at the same time developing their pedagogical content knowledge in ways that are closely tied to the practice of teaching statistics. Excerpts from the curriculum materials that illustrate these design principles will be included (for example, how we have teachers respond to students' work), as will pilot research results on the materials' effectiveness.