

1125-60-1338      **John P. Travis\*** ([travis@mc.edu](mailto:travis@mc.edu)), Box 4025, Mathematics, Mississippi College, Clinton, MS 39058. *An OER textbook for Calculus-based Probability and Statistics using Mathbook XML*. Preliminary report.

In this presentation, I will demonstrate a new OER textbook for an introductory calculus-based probability and statistics course. This online textbook utilizes Mathbook XML and allows for multiple output formats. These formats include an online option that incorporates active Sage and WeBWorK elements. A collection of related WeBWorK online homework problems will also be shown. Results from piloting the text in a course during Fall 2016 will be presented. (Received September 16, 2016)