

1035-H1-1815 **Alexander Kevin White*** (aw22@txstate.edu), Department of Mathematics, Texas State University, 601 Univeristy, San Marcos, TX 78666. *Developing an Online Statistics Class for Middle School Teachers*. Preliminary report.

We have developed an online statistics course for middle school in-service and pre-service teachers. This course integrates research on learning and teaching statistics as well as existing and new interactive learning activities. The statistical software Fathom is used to give students the opportunities to explore statistical concepts through simulation and interactive activities. Additionally, in order to foster statistical critical thinking, we provide activities that guide students through critiques of media reports. We will discuss the steps needed to create the course, provide hints on handling the transition from face to face instruction to the online environment, highlight how research on middle school student learning of statistics is incorporated, and demonstrate the most interesting learning activities. (Received September 20, 2007)