

1116-H5-2737 **Rachel M Chaphalkar*** (chaphalr@uww.edu), Whitewater, WI 53190. *Students' Conceptual Understanding of Variability throughout an Introductory Statistics Course.*

The Guidelines for Assessment and Instruction in Statistics Education and the Common Core State Standards for Mathematics have promoted a more conceptual understanding of statistics in general, and specifically in understanding of variability. This exploratory study looked at introductory statistics students' descriptions of variability and measures of variability at different times throughout a semester. Data were collected through surveys, interviews, and the final exam from approximately 100 participants. Student responses to both multiple choice questions and short answer questions will be discussed. (Received September 22, 2015)