

1116-A5-1435 **Jalalidin Jaenbai*** (jalalidin.jaenbai@zu.ac.ae), Zayed University, P.O. Box 19282, Dubai, United Arab Emirates. *Measuring Student Learning Outcomes under Interval and Fuzzy Uncertainty*. Preliminary report.

We typically ask several questions to find out about the level that a student has mastered a particular concept. As a result, we produce several, often varying, number values each being a measure of the same achievement. With such multi-valued data we cannot easily proceed to finding "mean" and "standard deviation" for a group of students using traditional statistical methods. In this paper we will show how for the purposes of assessing student learning outcomes, can we estimate and use the statistics using the methods developed in [1].

References: 1. H. T. Nguyen, V. Kreinovich, B. Wu, G. Xiang, Computing Statistics under Interval and Fuzzy Uncertainty. Applications to Computer Science and Engineering. Springer, 2012. (Received September 19, 2015)