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Md Sazib Hasan* (mdsazib.hasan@dixie.edu), 368 S Mall Drive, 1206, St George, UT 84790,
and **Kalimuthu Krishnamoorthy**. *Inference for Delta-Lognormal Distribution*.

Inference based on delta-lognormal distribution will be addressed in this talk. There are practical situations where one encounters data that are skewed and contain a relatively high proportion of zeros. For example, the diagnostic test charges data in a study include zeroes because some patients had no diagnostic tests during the study and nonzero diagnostic testing charges were highly skewed to the right. In workplace exposure/pollution assessment studies, measurements collected from individual workers or locations within a working facility often include zeroes, and positive measurements are highly skewed. Inference based on log-normal distribution using fiducial inference will be discussed. Fiducial inference is practically very simple to implement and very accurate in result. (Received March 04, 2020)