

Necessary sample sizes for specified closeness and confidence of two independent-sample data under the skew normal settings

Cong Wang

New Mexico State University

Advisors: Tonghui Wang and David Trafimow

Abstract

In this talk, the required sample sizes for the two independent-sample data of the best possible sampling precision is discussed under the skew normal setting as well as the confidence interval of the location parameter. The confidence interval for the location parameter is obtained, and the simulation results provided.

Keywords: Skew normal, sampling precision, confidence interval