

# Teaching Statistics in North Central Nigeria using TEAM-R Framework: Lessons from NSUK-LISA stat Lab

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## Abstract

Vance and Smith (2019) developed a framework covering five essential components of statistical collaboration: Attitude, Structure, Content, Communication, and Relationship which was referred to as the ASCCR Frame. This frame has been used successfully in developed and developing countries of the world. Unfortunately, teaching, learning and doing real life project among statistics students and statistics users are still low in the North Central Nigeria. To proffer solution this problem, The Nasarawa State University Keffi (NSUK)-LISA Stat became a member of the Laboratory for interdisciplinary Statistical Analysis (LISA) 2020 network in January 2018 with the mission to train staff and students of statistics, organized short courses and research collaboration with non-statisticians. The NSUK-LISA stat lab uses the TEAM-R (T-Teach, E-Examples with Real world data, A-Attitudinal influence, M-Mentoring and R-Relationship) framework in activities in the Stat Lab. Some successes have been recorded as follows: ability of student to be able to navigate from theories to realities, statistical capacity building grants are won whereby women in data science were trained in grant writing and computing with STATA, postgraduate and undergraduate students have been trained in R for financial time series analysis and the Stat lab hosted the organization of the LISA 2020 Northern Nigeria Regional symposium with the theme “Connecting to build capacity to Transform evidence into action and the celebration of the International year of women in statistics and data science where total of 142 participated attended. Lastly, with the use of the TEAM-R framework, we have been able to published articles in Scopus and web of science journal(s). we hope to see more results with the use of the TEAM-R framework in teaching statistics in the near future.

**Keywords:** Teaching, Statistics, TEAM-R, LISA, Stat Lab, NSUK