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Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_26256
Title of the Manuscript:	Usage of Multidimensional Scaling Technique for Evaluating Performances of Some Multivariate Normality Tests
Type of the Article	Original Research Article

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This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	Authors present a simulation study evaluating the performance of six different multivariate normality tests under different experimental conditions. However, there are many questions unanswered in the paper. What is the aim of such a study? What is multivariate normality test? What is type-1 error? What is multivariate scaling technique (MDS)? Where and why is MDS used? What kinds of data did you use? And some other questions need to be answered. There are not enough details on the proposed approach and used technologies. The basic idea of the paper is straightforward. There is nothing new in the paper. Experiments and results are unconvincing.	As it is defined in both last paragraph of introduction section (line 50-56) and the first three lines of (line 58-60) the Material Method section, the main objective of this study is to compare the performances of different multivariate normality test and then determine tests that have similar performances based on empirical Type I error rates and test powers that obtained at the end of Monte Carlo Simulation studies. We considered six different multivariate normality tests namely Mardia's Skewness, Royston, Srivastava-Hui, Doornik-Hansen Test, Henze-Zirkler, and Mardia's Kent. Since it is so easy to find more detail information about these tests in literature (we have been used some of them in our study and they have been given in the references section) we did not need to give information about their formula and computation steps. We have only focused on determine their performances (Type I error rates and test powers) under different experimental conditions. And then we used Multidimensional Technique to determine



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		similar tests in terms of their performances. Therefore, Multidimensional Scaling Technique was used as an alternative approach for interpreting of the results. That way, we think that the interpretation of the results will be easier especially for nonstatisticians. Because Multidimensional Scaling Technique is a graphical technique that may help the researchers to interpret the results easily. But, to avoid any misunderstanding the empirical Type I error rate and test power values of these tests also have been presented in Table 1-4. We have also added some basic information about Multidimensional Technique to the results of MDS section. All corrections, explanations, additions have been marked with red color.
<u>Minor</u> REVISION comments		A new reference (Korkmaz, S., Goksuluk, D., Zarasiz, G. (2015). MVN:An R Package for Assessing Multivariate Normality (https://cran.r-project.org/web/packages/MVN/vignettes/MVN.pdf) has been added to the references section.
<u>Optional/General</u> comments		