

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_40655
Title of the Manuscript:	Predictive performance of Hargreaves model in estimating solar radiation in Yola, Adamawa state Nigeria using minimum climatological data.
Type of the Article	Original Research Article

General guideline for Peer Review process:

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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

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)
<u>Compulsory</u> REVISION comments	This is an excellent predictive modelling paper. The predictive modelling results and the model validation look very promising. However, the introduction discussion is not enough. Before it is acceptable, the authors should add more predictive modelling discussions on statistical and machine learning methods. More references should be cited, including: Application of Artificial Neural Networks for Catalysis: A Review (2017). Predictive Power of Machine Learning for Optimizing Solar Water Heater Performance: The Potential Application of High-Throughput Screening. International Journal of Photoenergy, 2017. (2017). Application of artificial neural networks for catalysis: A review. Catalysts, 7(10), 306. (2016). Comparative study on theoretical and machine learning methods for acquiring compressed liquid densities of 1, 1, 1, 2, 3, 3, 3-heptafluoropropane (r227ea) via song and mason equation, support vector machine, and artificial neural networks. Applied Sciences, 6(1), 25.	Discussion on more predictive modelling techniques on statistical and machine learning has been included in the introduction and relevant citations made.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		