



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_32632
Title of the Manuscript:	VARIABILITY OF THE HISTORICAL AND FUTURE TEMPERATURE IN BANGLADESH
New Title:	THE VARIABILITY OF THE HISTORICAL AND FUTURE TEMPERATURE IN BANGLADESH
Type of Article:	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
A. Methodology should include the following: i. the stationary and non -stationary of the time series ii. model types such as autoregressive models of order p [AR(p)], Moving average process of order q [MA(q)], Autoregressive moving average (p,q) process, Autoregressive integrated moving average (p,d, q) process and seasonal ARIMA Models B. Results should include the following: i. summary of model identification, parameter estimation of ARIMA, residuals as well as its distribution, model diagnostics and forecasting Please check literature so as to detail these observations in your study	A. Thank you for your valuable comments. Please keep in mind that, professionally I am a Civil Engineer. I don't have in depth knowledge in statistics. Here, I have tried my level best to answer all of your comments and may be very few comments are still missing to answer. In my new manuscript, I have re-arranged the methodology where different items are separated. Stationarity tests are described separately. Now the non-seasonal ARIMA (29,1,0) is mentioned in different parts of methodology. B. In this modified manuscript, I have summarised the model identification in the methodology. A sample standardized residual and its normal distribution of the average temperature of June of Dhaka station is included in the modified manuscript. But don't know about the model diagnostic especially don't know how to do it for ARIMA model. Here I have attached some figure for your kind consideration.

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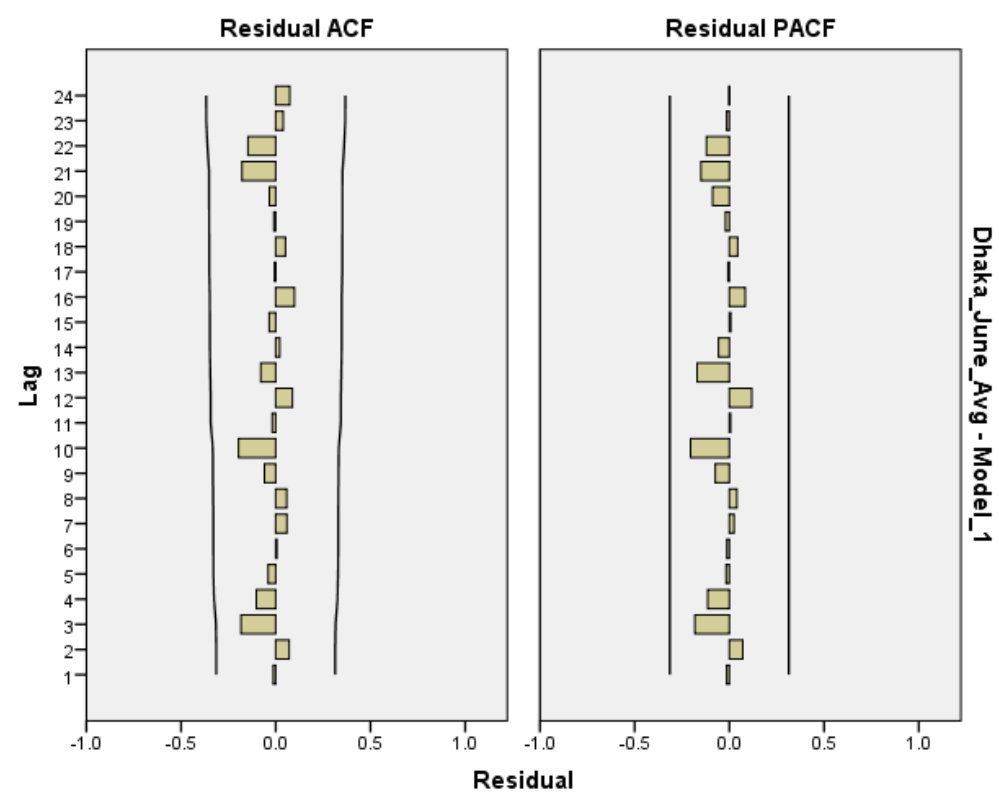


Figure 1: Residual ACF and Residual PACF

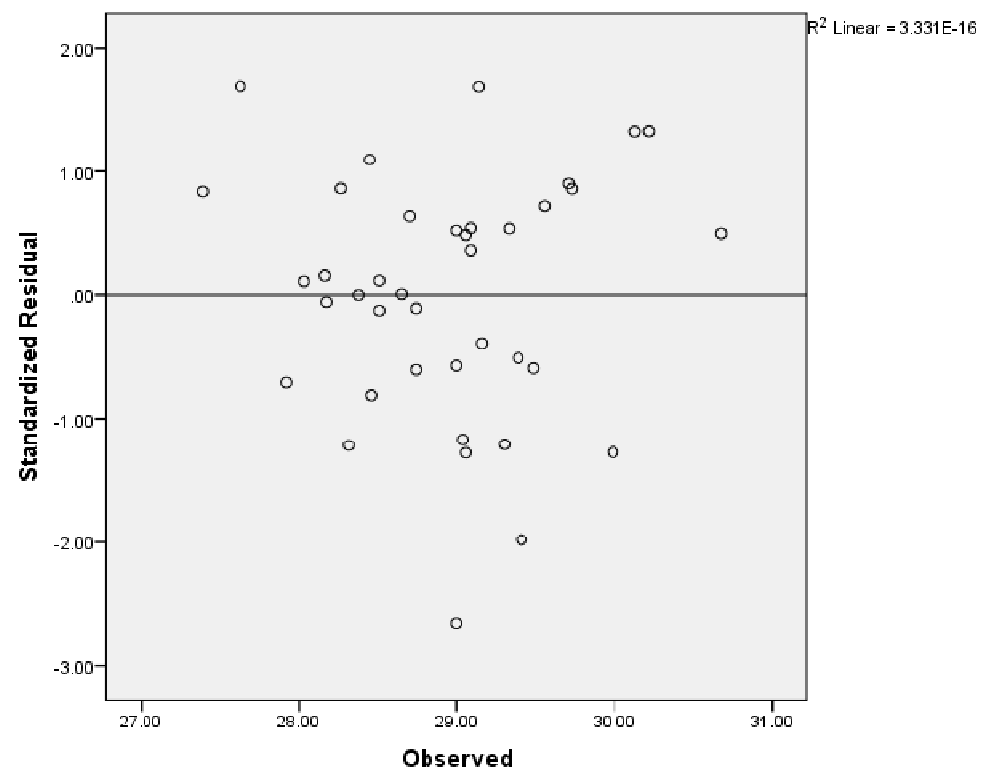


Figure 2: Standardized residual vs observed average temperature of June in Dhaka

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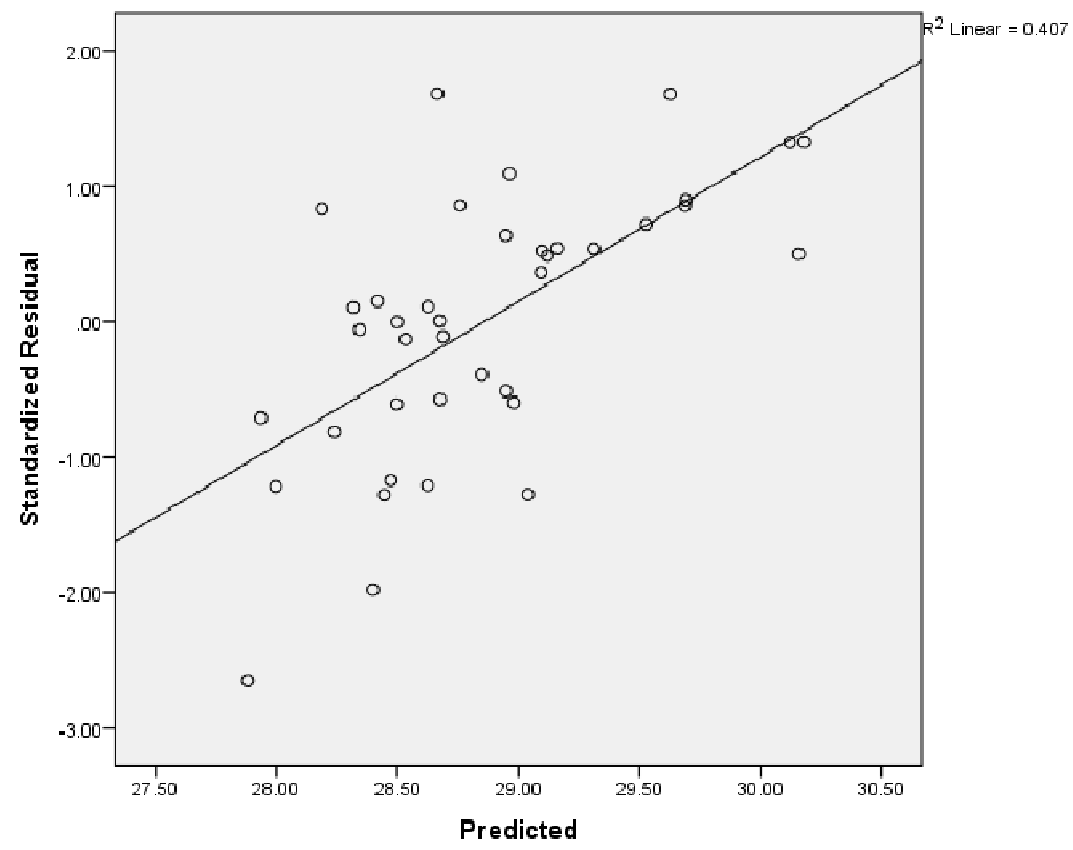


Figure 3: Standardized residual vs observed average temperature of June in Dhaka

