



**SDI Review Form 1.6**

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| Journal Name:            | <b><u>British Journal of Mathematics &amp; Computer Science</u></b>                                                      |
| Manuscript Number:       | <b>Ms_BJMCS_30535</b>                                                                                                    |
| Title of the Manuscript: | <b>Modeling of Tomato Prices in Ashanti Region, Ghana, Using Seasonal Autoregressive Integrated Moving Average Model</b> |
| Type of the 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.

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



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**PART 1: Review Comments**

|                                            | <b>Reviewer's comment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Author's comment</b> (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) |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>Compulsory</u></b> REVISION comments | <p>The manuscript presents interesting results. A few issues, however need to be clarify:</p> <ol style="list-style-type: none"> <li>1- First, it is not clear to me, is the model that used in the study was SARIMA (2,1,1) or (0,1,1)? The authors mentioned in the "Abstract" that the model used is SARIMA (2,1,1) but they mentioned also in the "Discussions and Conclusions" that the best fitted model was found to be SARIMA (0,1,1)x(0,1,1). Please clarify.</li> <li>2- You didn't mention the months that represent each quarter (<math>Q_1, Q_2, \dots</math>).</li> <li>3- In table 5, I think that the difference values of <math>Q_3</math> and <math>Q_4</math> for the year 2015 are not valid, its 12.79 and 104.24 for <math>Q_3</math> and <math>Q_4</math> respectively instead of the value 6.91. Then I think that these difference values are not very small.</li> <li>4- In the "Discussions and Conclusions", line 305, I would like to ask from where did the authors get the price 140 GHC for the first quarter in 2016. Is it actual or forecast value.</li> </ol> |                                                                                                                                                                                      |
| <b><u>Minor</u></b> REVISION comments      | <ol style="list-style-type: none"> <li>1- In Fig.1(page 5): it is not clear what is the digits that appear on the X-axis (scale)? What does it represent? Suppose that its time (year or quarter of year). It is also preferred to put the units of the price on the Y-axis in the same figure like (GHC).</li> <li>2- In page 6, line187: I think that you repeat the sentence of "autocorrelation function (ACF)" because figure 3 shows only partial autocorrelation function (PACF).</li> <li>3- In page 3, line105: "as frequent" instead "asfrequent"- line 109: "tomatoes and" instead of "tomatoesand".</li> <li>4- In page 4, line 159: "of parameters" instead "ofparameters"- " model order" instead "modelorder"- line161: "other similar" instead "othersimilar".</li> </ol>                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                      |



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|                                         | 5- In page 9, line 267: "test that" instead "testthat". |  |
| <b><u>Optional/General</u></b> comments |                                                         |  |

**Reviewer Details:**

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|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Name:                            | <b>Eman Shafik Megahed EL-Mallah</b>                                                                                       |
| Department, University & Country | <b>Department of Basic and Applied Sciences, The Arab Academy for Science and Technology and Maritime Transport, Egypt</b> |