

**Review Form 1.6**

Journal Name:	Asian Journal of Advanced Research and Reports
Manuscript Number:	Ms_AJARR_93199
Title of the Manuscript:	Basic Properties of Buys-Ballot Estimates for Periodic and Seasonal Variances in Time Series
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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link: (<https://www.journalajarr.com/index.php/AJARR/editorial-policy> )

**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)
<b>Compulsory</b> REVISION comments	<p><b>(1)Topic</b> should be</p> <p>Basic Properties and Test of Buys-Ballot Periodic Variances Estimates for choice of Models in Time Series. <b>Or</b></p> <p>Investigation and Basic Properties of Buys-Ballot Seasonal Variances Estimates for Models in Time Series <b>Or</b></p> <p>Test and Basic Properties of Buys-Ballot Periodic Variances Estimates for the Purpose of Choice of Models in Time Series</p> <p><b>Note: I think "Periodic" and "Seasonal" are the same word</b></p> <p>Corrected abstract</p> <p><b>(2) Abstract:</b> This article presents basic properties of Buys-Ballot estimates for periodic and seasonal variances for the mixed, multiplicative and additive models in time series. The emphasis is to characterize the basic properties for purpose of choice of model. In this article, the Buys-Ballot table was constructed for seasonal variance for the mixed and multiplicative models. Then, Chi-Square test was applied for the match pairs of data to the periodic variances of the Buys-Ballot table. The method of seasonal variances with illustrative examples for choice of suitable model in time series decomposition was done using stimulated series in this article. The stimulated series identified the appropriate model for decomposition.</p> <p><b>Note: Give why the additive model was not in the illustrative examples in this article. Also the Bartlett test, Cochran test, Hartley test and O'Brien test for equality of variance can be apply instead of the Chi-Square test</b></p> <p>3) The Buys-Ballot techniques was used to evaluate (estimate) the row means, and variances for the models. <b>Please add to Section 3.1</b></p>	
<b>Minor</b> REVISION comments	This paper should be accepted for publication by the editor after the above <b>minor review</b>	
<b>Optional/General</b> comments	This paper have adequate review works, current references and contribution to knowledge in seasonal variance of the Buys-Ballot estimate in time series	

**PART 2:**

	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)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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**Reviewer Details:**

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