



**SDI Review Form 1.6**

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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Journal Name:            | <a href="#">British Journal of Mathematics &amp; Computer Science</a>                                                       |
| Manuscript Number:       | Ms_BJMCS_23145                                                                                                              |
| Title of the Manuscript: | COMPARISON OF LEAST SQUARES METHOD AND BAYESIAN WITH MULTIVARIATE NORMAL PRIOR IN ESTIMATING MULTIPLE REGRESSION PARAMETERS |
| 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:

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



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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)                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>Compulsory</u></b> REVISION comments | <p><b>Put the reference(s) for the second paragraph of Introduction section (about model identification).</b></p> <p><b>Use “ ” instead of “/” for the expression of conditional probabilities.</b></p> <p><b>The information about prior is not clear. Please make it clear.</b></p> <p><b>Make the precision of estimates consistent throughout the manuscript (i.e., the number of decimal points).</b></p> | <ol style="list-style-type: none"> <li>1. The multiple regression model is well known and has been discussed in many text book. The least squares method of estimating the coefficients of regression has been described in last paragraph of page 2.</li> <li>2. The correction has been effected as directed by the reviewer. Please see pages, 3, 4 and 5.</li> <li>3. The Prior distribution of the regression coefficients is assumed to be multivariate normal. This was clearly stated in last paragraph of page 3.</li> <li>4. All decimal points have being rounded to 4 decimal places.</li> </ol> |
| <b><u>Minor</u></b> REVISION comments      |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b><u>Optional/General</u></b> comments    |                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |