



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
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.

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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)
<u>Compulsory</u> REVISION comments	Page 3, lines 6 – 10: Your model specification of the least squares method (LSM) is wrong. The LSM is essentially non-parametric. The normality assumption of the error terms is not applicable. Rather the error terms should be independently identically distributed with zero mean and constant variance. This wrong assumption may affect all else about your work. As suggested by the author(s) in the DISCUSSION AND CONCLUSION I suggest inclusion of the Bootstrap method of estimation.	This concern by the reviewer has been addressed in page 3, paragraph 2. The authors were referring to the multiple regression assumptions not the LSM. This correction has being effected. The Authors used jackknife method to estimate the parameters of the prior distribution of the regression parameters. This approach is described in the last paragraph of page 5. The authors suggested the use of bootstrap method in replacement of the jackknife method for future work. This has not being proven as a viable replacement but for now can be seen as an alternative means of estimating the parameters of the prior distribution. The authors suspect that the bootstrap method will give the same results as the jackknife method.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		