



SDI Review Form 1.6

Journal Name:	<a href="#">Asian Research Journal of Mathematics</a>
Manuscript Number:	Ms_ARJOM_49076
Title of the Manuscript:	A Novel Dynamic Gray Action GM(1,1,b) Model And Its Application
Type of the Article	Method 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>Compulsory</b> REVISION comments	<p>GM(1,1) and DGM (1,1) are time series term and full meaning should be stated at first mention in the paper.</p> <p>-the word "Gray" were used as "grey" in some places, the author should please clarify which is correct, or if both are correct.</p> <p>- The analytical software that was used to implement the analysis needs to be explicitly mentioned.</p> <p>-The equations are not equal in size; the author(s) should make effort to make them equal, and avoid stretching of the equations, using lines 105, 107 and 144 as examples.</p> <p>-The author(s) should read the manuscript carefully, so as to correct typographical and grammatical few errors observed.</p>	<p>Dear Reviewer,</p> <p>We would like to express our thankfulness for your much constructive and valuable advices. We have revised the paper following your comments and suggestions. The changes made in the revision appear in yellow, and the answers to your comments are listed as follows.</p> <ul style="list-style-type: none"><li><input type="checkbox"/> Thank you for your careful reading and detailed comments. Following your suggestion, we have already added such content to the manuscript: "It is an important part of the grey theory. The most classical prediction model is GM(1,1), where the first "1" represents the first-order differential equation and the second "1" represents a variable." and "The DGM(1,1) model is similar to GM(1,1), where the first "1" also represents the first-order differential equation, and the second "1" also indicates that there is a variable." Please see the corresponding yellow label in the revised manuscript. Thank you for your comments.</li><li><input type="checkbox"/> Following your suggestion, we have modified " gray" and now it is " grey". See the corresponding yellow label in the revised manuscript. Thank you for your comments.</li><li><input type="checkbox"/> Thank you for your suggestion, this is the help of our work, according to your amendment, our models and analysis work are based on the open source Python language, which we have added to the manuscript.</li><li><input type="checkbox"/> Thank you for your comments, following your suggestion, we have corrected them.</li><li><input type="checkbox"/> Thank you for your carefully read and detailed comments , when we saw this amendment, we regret there were problems with the English. We attached great importance to this opinion. For your comments, the paper has been carefully revised by a native English speaker to improve the grammar and readability.</li></ul> <p>Finally, we have thoroughly revised the paper in order to present a more clear and concise manuscript. We hope these corrections will meet with approval. Once again, thank you very much for your comments.</p>
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		

**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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	