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Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2013_BJMCS_6050
Title of the Manuscript:	Modeling Crop Residue Yield Potential using Geographically Weighted Regression
Type of the Article	Research Paper

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 <i>(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)</i>
<u>Compulsory</u> REVISION comments	The paper compared the performance of GWR and OLS models with crop residue yield potential data in US. Generally, the manuscript is well structured and written. However, the content does not seem consistent with the title "modelling crop residue yield potential ...". Given the title, the content should pay more attention to explain how the crop residue yield potential is affected by some exploratory variables and why. While in the manuscript the emphasis is model comparison and the crop residue yield potential is just an example. So I suggest the title should be changed appropriately.	Thanks. Thanks for pointing this out. The title is changed to "Effect of Sample Size on the Performance of Ordinary Least Squares and Geographically Weighted Regression" now.
<u>Minor</u> REVISION comments	In line 139, "R, version 3.1", do you mean version 3.0.1, since from the CRAN the R 3.1 has not released until now. In line 200, what does PRISM short for? In table 1, are all Moran's I and Geary's C statistically significant? It can be labelled to distinguish them.	Yes, you are right. It is changed to 3.0.1 now. PRISM stands for Parameter-elevation Regressions on Independent Slopes Model, a data base from PRISM climate Group. It is mentioned in manuscript now. Moran's I and Geary's C for OLS model are statistically significant at 0.05 level of significance. These are not significant for GWR model. This is addressed in manuscript (under the table 1) now. I and C values for OLS are italicized to indicate the significance now.



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<u>Optional/General</u> comments		Thank you so much for helping us improving our article. We appreciate it.
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