



SDI Review Form 1.6

Journal Name:	Asian Journal of Agricultural Extension, Economics & Sociology
Manuscript Number:	Ms_AJAEES_23478
Title of the Manuscript:	Determinants of Access to Agricultural Extension Services: Evidence from smallholder Rural Women in Northern Ghana
Type of the Article	Original Research Articles

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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	- The reason for using logit over probit is arbitrary - In Table 1, it is not clear how 'Yield' is measured. Is it an aggregate for all crops grown by the sample farmers or for a specific crop??? - Access to improved seeds is a dummy (1-0), so the mean could be between 0 and 1. - The biggest problem is using 'yield' as an explanatory variable, this leads to an econometric problem called simultaneity. Its extension service that theorized to affect yield, but the author (s) do the other way. This is a serious problem. - Same econometric problem with fertilizer and seed (they are affected by access to extension service) - The justification for choosing logit over probit is not convincing. Logit is often chosen since it's mathematically simpler than probit. - A serious problem in the regression is use of 'frequency of extension contact' as an independent variable. That's wrong. It can be used as an alternative dependent variable. I suggest the author run another regression for determinants of frequency of extension contact (using either OLS or Poisson regression) and see consistency of the effect of the independent variables across various (outcomes) model specifications.	
<u>Minor</u> REVISION comments	- Refine the key words (access and women cannot be key words)	



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	- Line 97 & 98 --- use of Y's is not clear; the author needs to define what Y is (the outcome indicator) or a specification of Y is needed before bringing the logit model - Specification of eq. 2 is not supposed to be like long listing of all the X's. It's better to use a compact form of the model like $Y_i = B_0 + B_i X_i + e_i$ (use eqn editor). Then indicate that X_i is the vector of determinants of access to agri extension service.	
<u>Optional/General</u> comments	- It would be good to remove those variables which would cause causality or simultaneity and focus on those exogenous variables. Otherwise, endogeneity will also be a serious issue.	

Reviewer Details:

Name:	Wondimagegn Mesfin
Department, University & Country	Economics, United Nations University - Merit, Netherlands