

# Review of: "Women education in Ethiopia"

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Potential competing interests: No potential competing interests to declare.

Poor literacy rate among women is one of the most important public problems that adversely affect women's life. So I would like to thank the authors for spending their time and resource working on women's affair particularly women education in Ethiopia.

having said this, I have the following comments.

**A) Title:** The title is extremely broad.

it is seems it studied all aspects of women education in Ethiopia.

I recommend the authors to make it mare specific.

**B)Abstract;** some terms are not clear: e.g. age at first birth

Results part of abstract says "...The odds ratios for women's age at first birth, women's age at marriage, women from rural areas, families wealth index ..." the authors had better rewrites these statements in more clear ways.

for example: which age categories of "women's age at marriage" is associated? older age? adolescents? middle age?

The statement "...s were given as 1.022 (p value: <0.0001), 1.02 (p value: <0.0001), 0.121 (p value: <0.0001), 1.492 (p value:=0.0235), 1.971 (p value: <0.0001), 3.072 (p value: <0.0001), 4.582(p value: <0.0001), 0.185 (p value: =0.0074), 0.762 (p value: =0.0175), and 0.75 (p value: =0.0444) respectively" is not clear and not attractive to readers. Please modify it.

**C) INTRODUCTION;**

The introduction seems progress report or trend analysis. I recommend the authors to focus on the current situation of women's educational status in Ethiopia.

the statement "...Terming the education of the illiterate as 'one of the prerequisites for development..." is not informative. To my understanding there is no as such a term as "education of the illiterate"

The authors said "...Many qualitative and descriptive studies were conducted at different components of the globe on women's education ... however, these don't reach a standardized statistical model and inferential analysis on the level of women's education particularly in Ethiopia"

what are these standardized statistrcal model and inferential analysis that these studies didn't reach but you reached in this study?? please let us know

#### D) Methods:

the paragraph

*“Ordinal logistic regression models were developed to model the dependence of a polychromatic ordinal response on a set of predictors which can be factors or covariates. The design of the ordinal logistic regression model was based on established methodology [17]. There are many variations of logistic models used for predicting an ordinal response variable Y. All of them have the advantage that they do not assume a spacing between levels of the response variable Y. In other words, the same regression coefficients and P-values result from an analysis of a response variable having rank based levels. The most commonly used logistic regression model for ordinal response is the ordinal logistic model and later called the proportional odds model [17]. The proportional odds model is best stated as follows, for a response variable having levels 0, 1, 2,..., k:.”*

I don't see the importance of this paragraph. You are not expected to discuss what ordinal logistic model is.

It is enough if you report that you used ordinal logistic model to analyze the data.

**E) Result:** “....Accordingly, among the random sample of 17137 women, 7647(44.62%) belonged to no education”

It is better if you write this as "...seven thousand six hundred fourty seven women had no formal education"

As we come across the education levels the percentage of women enrollment decreases, accordingly, where most of women were subjected to being **illiterate** (Figure 1).

please use the term **has no formal education** instead of **"illiterates"**

“...Among the predictors in the final model age at first marriage, residence, family's wealth index, women's age at first birth, and religion of women were the major predictors of education level among women in Ethiopia”

This statement has no full information. Or it is not well interpreted.

For example, which religion(s) predicted ( associated with lower education level or illiteracy) and which predicted higher education level (literacy) among women?

In general, the overall content of the document is fine.

but the authors should thoroughly revise the document by incorporating the above comments