

Review Form 1.7

Journal Name:	Asian Journal of Agricultural Extension, Economics & Sociology
Manuscript Number:	Ms_AJAEES_112514
Title of the Manuscript:	DECISION TREE FOR 305-DAY MILK YIELD IN CROSS-BRED CATTLE
Type of the Article	

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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>1. The article is devoted to one of the most urgent scientific and applied tasks related to the assessment of the duration of cow use, which is the basis for decision-making in the planning of dairy enterprises. The author uses modern tools for data analysis. It is worth noting that the R-4.0.3 software was used for data analysis. A new model of the decision tree is obtained.</p> <p>2. In my opinion, the title should be "Classification of the duration of the period of use of dairy cows based on the decision tree".</p> <p>3. The article is sufficiently structured.</p> <p>4. It is impossible to assess the accuracy of the model, as there are no results of its adequacy testing.</p> <p>5. Attention should have been paid to newer publications on the use of data mining, including in the field of dairy farming. In particular, there is a publication that uses the Mito platform for data preparation: <i>Tryhuba A., Koval N., Tryhuba I., Boiarchuk O. Application of Sarima Models in Information Systems Forecasting Seasonal Volumes of Food Raw Materials of Procurement on the Territory of Communities. CEUR Workshop Proceedings, 2022, 3295, pp. 64–75.</i></p> <p>Additional suggestions/comments. The prepared data for classification should be visualized. Present the correlation matrix in the form of a table or figure to show the relationship between the factors and the duration of the period of use of dairy cows. The text contains references to figures (regression tree diagram) and tables (initial data, relationship between lactation duration and milk yield), but they are not available in the article.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>The language (English) and quality of the article are appropriate for scientific communication.</p>	
<p>Optional/General comments</p>	<p>After taking into account the comments and suggestions, the article can be published in the journal.</p>	

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PART 2:

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

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