

Peer Review

Review of: "Genetic and Environmental Influences on Awassi Lamb Weights with Implications for Breeding and Management in Jordan"

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In the linear model, I recommend you include the fixed contemporary group to take into account the environmental effect, defined by year||month of birth of the animal with a minimum of 5 animals, despite having 20 lambs per ram annually.

I think the V_w should be called residual variance. If you are interested in obtaining the individual variance, try to include the animal as a random effect in your model.

The correlations between breeding values and the phenotype obtained are quite high and would indicate higher heritabilities than those obtained, so I suggest reviewing these correlations.

On the other hand, the high correlation between all breeding values (weight at birth, weaning, 6 months, and 1 year), >0.9 , indicates that all the traits would be the same. Therefore, as mentioned above, I recommend you review these correlations.

Furthermore, if you can, try to obtain the genetic correlation between the traits to show the high correlation between EBVs. These correlations help you to define the genetic index.

Declarations

Potential competing interests: No potential competing interests to declare.