

ROTHAMSTED EXPERIMENTAL STATION  
(LAWES AGRICULTURAL TRUST)

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HARPENDEN  
HERTS.

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My dear Ron,

I have now completed the revision of the Introduction and I enclose copies of the new material on transformations which I should like you to look through and amend as you think fit. I enclose the relevant two pages of the tables so that you can see how the new material fits in with the old.

You might like to add something to the comments on the relation of the logit transformation to the transformation  $2y = \tanh(2x)$ , which you mention in one of your letters is used in genetical work.

† I hope you will not dislike my treatment of your example. There are minor differences from your published figures on account of different maxima and ranges for the working angles. There is also a more substantial discrepancy in  $\chi^2$  for the difference between the regressions for the two sexes. I have had my computations checked and no error has been found but I have not been over the computations of your paper. Possibly it might be worth getting one of your people to do this when you return to Cambridge.\*

I am sorry about the rather barbarous numbering of the example and tables but this is the best that can be done without messing around with existing material.

Apart from the enclosed material there are no major alterations to the Introduction except for an insertion for the new table for intercross data, which we have already agreed, and an insertion of the formula for  $\chi^2$ .

Yours,

*Frank*

Professor Sir Ronald Fisher

\* I suspect the S.S. for my missing lines for each sex is in error.  
I make this 569 291.4.

† [cf. Statistical Tables, 6th edn., Example 7.11, p17] JHB