

4 July 1933.

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My dear Richey:

Very glad I am to hear from you again. Your problem this time is not such a twister as usual.

Supposing all the lines had been fully tested you could take $1/28$ of the total as a basis, and deducting seven times this (that is $\frac{1}{4}$ of the total of 28 values) from the total of each column of 7, and dividing by 6 you have the contribution of each line.

Your missing value complicates the thing somewhat, so I got Yates to work a full least square solution. He gets

	Degrees of Freedom	Sum of Squares	Mean Square
Lines	7	.003245	.0004635
Remainder	<u>18</u>	<u>.001236</u>	.0000686
	25	.004480	

which is quite clearly significant.

The reconstructed values for comparison with your table I have put in in pencil. *b* and *c* and possibly *a*, seem to be complementary to the remainder. Yours sincerely,