Dear Mahalanobis,

Thanks for your letter of April 13th. I am certainly very glad to hear that the Government of India has given you, this year at any rate, the additional grant that you needed. If support at this rate is continued your Laboratory will be in a very good position.

It is most interesting that S.N.Roy has been working so nearly on the same problem as myself. My new distribution of the tribution gives the simultaneous distribution of all the latent roots, from which, of course, the partial distributions can be obtained by integration, though this is not in all cases an easy process, or one leading to very simple results. However, the means are now available for finding whether, in any important class of cases, the simple analysis of variance allowance for adjustable constants is an inadequate approximation, and for correcting it where it needs correction.

The new result is interesting in another way, namely, in bringing to light a class of definite integrals expressible in products of factorial or gamma functions,

which is new to me, and is a natural extension of the original Eulerian integrals. It will, I am afraid, be many years before adequate tables covering the whole range of this new distribution are constructed, though, in a small way, I am making a start at that now.

Yours sincerely,