

November 5, 1936

My dear Balmakand,

I have your letter of July 13, but have left it unanswered pending my return from the United States. I am now back at the Galton Laboratory. So far as I can see the sampling variance of units of 3s stools composed of s primary units of 3 stools each, chosen at random from the 48 primary units available, can be shown without experimental calculation to be $1/s$ that of a single unit. The variance found experimentally by comparing such component units among themselves would also have a factor $\frac{1 - \frac{s}{48}}{48}$ owing to the limited size of the population from which they are sampled, but this factor is irrelevant to your main concern, which is experimental error of the sample compared with the whole field.

Yours sincerely,