

On the probable error of the component frequency constants of a dissected frequency curve.—By P. C. MAHALANOBIS.

*Part I. Symmetric dissection of the first type.*—Pearson has given the solution for the dissection of a symmetric curve. For platykurtic curves, the component means are different, while the standard deviation remains the same. In the present paper, probable errors of the component means are obtained and the results used for the determination of the reliability of dissection of the frequency distribution of heights of different Bengal Castes and Tribes.

*Part II. Symmetric dissection of the second type.*—For leptokurtic curves the standard deviations are different while the means are the same. Probable errors are found and applied to a numerical case of dissection of Anglo-Indian heights.