

60. A Statistical Analysis of the height of the Brahmani River at Jenapore.

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The daily readings (numbering 4722) of the gauge at Jenapore for the period 1875-1929 for the months of July, August, and September have been analysed in this paper. The secular change (which was found to be extremely small) has been calculated separately for each month, as well as for the whole monsoon period. The frequency distribution of the height of the river has been studied in detail, and has been graduated by Pearson curves (Type I and Type III). The probability of occurrence of any assigned flood level in a given number of years has been calculated, graphically for the graduation by a Type I curve, and with the help of Incomplete Γ -functions for a Type III curve.