

Correlation between Index Finger and Stature in Uttarakhand Population

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ABSTRACT Human beings are considered to be bilaterally symmetrical, though, there is an asymmetry in the length of the thumb and fingers of both hands irrespective of sex or handedness; estimation of stature of an individual plays an important role for medico-legal fixation of individuality. This study looks into the possibility of estimation of stature from length of index finger. In this study 200 subjects (100 males and 100 females) between the ages of 21 to 30 years were taken from Uttarakhand (India) population. Their index finger length and height were measured using the standard points mentioned by the earlier authors, and data was analyzed statistically for correlation. The outcome showed a significant correlation between length of index finger and height of the individuals in both sexes. Then linear regression equation for stature estimation was calculated. It is therefore concluded that if the index finger length is known, then height of individual can be predicted and vice versa. These results could be of help in medico-legal cases for the stature estimation for identification as well as in fixation of identity.