TABLE - I: - Statistical differences between forearm plus hand length and height in two sexes.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameters | Males | Females | t | P |
| Height(mean±SD) | 169.76±6.23 | 155.21±5.32 | 12.53 | 0.0001 |
| Forearm plus hand length(mean±SD) | 46.31±2.73 | 42.35±1.53 | 8.91 | 0.0001 |

(All measurements are in cms).

TABLE - II: - Statistical analysis of stature estimation from length of forearm plus hand.

|  |  |  |
| --- | --- | --- |
| Parameters  | Males  | Females |
| Height range  | 155.5 – 189.4  | 142.0 – 166.9 |
| Mean height  | 169.76 | 155.21 |
| S.D of height | 6.23 | 5.32 |
| S.E of height | 0.88 |  0.75  |
| Forearm + hand length range | 36.1 – 52.6 | 39.0 – 45.8 |
| Mean forearm + hand length | 46.31 | 42.35 |
| S.D of forearm + hand length | 2.73 | 1.53 |
| S.E of forearm + hand length | 0.38 | 0.21 |
| Correlation coefficient(r) between forearm + hand length & height | 0.615 (P <0.01) | 0.731 (P <0.01) |
| Coefficient of determination( R) | 0.378 | 0.534 |
| Regression coefficient (b) | 1.4 (S.E 0.25) | 2.54 (S.E 0.34) |
| Value of constant (a) | 104.9 (S.E 12.01) | 47.39 (S.E 14.53) |

(All measurements are in cms)