

APPENDIX 11
ANALYSIS OF VARIANCE - BACKGROUND VARIABLE

TABLE : 72. Analysis of Variance of Effect of Food Habit on Anthropometric Measurements

| Variables 1 | Degrees of Freedom 2 | Sum of squares 3 | Error mean square 4 | F-value 5 |
|--------------------|----------------------------|------------------------|---------------------------|--------------|
| Stature : | | | | |
| Between | 1 | 164.3434 | 164.34 | 4.32* |
| Within | 524 | 19952.3848 | 38.08 | |
| Total | 525 | 20116.7283 | | |
| Arm span : | | | | |
| Between | 1 | 75.2808 | 75.28 | 1.46 |
| Within | 524 | 27005.4964 | 51.54 | |
| Total | 525 | 27080.7772 | | |
| Right arm length : | | | | |
| Between | 1 | 0.0022 | 0.00 | 0.00 |
| Within | 524 | 7822.3200 | 14.93 | |
| Total | 525 | 7822.3222 | | |
| Elbow height | | | | |
| Between | 1 | 103.2166 | 103.22 | 5.87* |
| Within | 524 | 9218.7901 | 17.59 | |
| Total | 525 | 9322.0067 | | |
| Upperarm length : | | | | |
| Between | 1 | 4.0146 | 4.01 | 0.90 |
| Within | 524 | 2349.5444 | 4.48 | |
| Total | 525 | 2353.5590 | | |
| Forearm length : | | | | |
| Between | 1 | 95.4914 | 95.49 | 12.10** |
| Within | 524 | 4134.5585 | 7.89 | |
| Total | 525 | 4230.0498 | | |
| Hand length : | | | | |
| Between | 1 | 4.1747 | 4.17 | 2.81 |
| Within | 524 | 778.0568 | 1.48 | |
| Total | 525 | 782.2316 | | |
| Leg height : | | | | |
| Between | 1 | 161.7369 | 161.74 | 4.64* |
| Within | 524 | 18280.8453 | 34.89 | |
| Total | 525 | 18442.5822 | | |
| Lower leg height : | | | | |
| Between | 1 | 59.5641 | 59.56 | 7.37** |
| Within | 524 | 4232.6320 | 8.08 | |
| Total | 525 | 4292.1961 | | |
| Eye height | | | | |
| Between | 1 | 58.4041 | 58.40 | 1.76 |
| Within | 524 | 17371.0393 | 33.15 | |
| Total | 525 | 17429.4434 | | |

TABLE : 72. Cont....

| Variables 1 | Degrees of Freedom 2 | Sum of squares 3 | Error mean square 4 | F-value 5 |
|-----------------------------|----------------------------|------------------------|---------------------------|--------------|
| Functional reach-1 : | | | | |
| Between | 1 | 1.7710 | 1.77 | 0.13 |
| Within | 524 | 7031.1314 | 16.42 | |
| Total | 525 | 7032.9024 | | |
| Functional reach-2 : | | | | |
| Between | 1 | 3.5977 | 3.60 | 0.27 |
| Within | 524 | 7019.8951 | 13.40 | |
| Total | 525 | 7023.4928 | | |
| Bust girth : | | | | |
| Between | 1 | 384.8184 | 384.82 | 4.77* |
| Within | 524 | 42232.0151 | 80.60 | |
| Total | 525 | 42616.8335 | | |
| Upper arm girth : | | | | |
| Between | 1 | 19.6111 | 19.61 | 2.08 |
| Within | 524 | 4946.2296 | 9.44 | |
| Total | 525 | 4965.8408 | | |
| Forearm girth : | | | | |
| Between | 1 | 8.7112 | 8.71 | 1.98 |
| Within | 524 | 2307.5345 | 4.40 | |
| Total | 525 | 2316.2457 | | |
| Waist girth : | | | | |
| Between | 1 | 619.9295 | 619.93 | 6.13** |
| Within | 524 | 52977.5558 | 101.10 | |
| Total | 525 | 53597.4853 | | |
| Abdomen girth : | | | | |
| Between | 1 | 1072.8513 | 1072.85 | 8.09** |
| Within | 524 | 69481.3165 | 132.60 | |
| Total | 525 | 70554.1678 | | |
| Hip girth : | | | | |
| Between | 1 | 624.3270 | 624.33 | 5.83* |
| Within | 524 | 56122.9978 | 107.10 | |
| Total | 525 | 56747.3248 | | |