

Correlation Matrix and Linear Regression of Anthropometric Characters among the Sugalis – A Tribal Population of Cuddapah District, Andhra Pradesh

P. Yadu Bhushana Reddy and A. Papa Rao

KEYWORDS Correlation Coefficients, Linear Regression, Sugali, Tribal Population, Andhra Pradesh

ABSTRACT With a view to know the average relationship of 14 anthropometric measurements, taken on the 1565 Sugali children (854 boys and 711 girls) of both sexes aged 1 to 20 years simple correlation co-efficient between pairs of variables and against a straight line is fitted for the data. Among boys the relationship between all measurements is strong except for skinfold measurement. No negative correlation is noticed between anthropometric measurements of girls. All anthropometric measurements show an almost linear relationship with age. The skinfold measurement are presenting downward trend in boys and upward trend in girls.