Anthropometric study of yoreme-mayo ethnic group in Northwest Mexico.
Castro Estrada, Claudia Selene
UAIM, MEXICO

Introduction: México is a multiethnic country, with a total population of 112,336,538 people according with the records from INEGI in 2010, 12% of them belong to an ethnic group. In Mexico have been made very few anthropometric studies, and most of them are oriented to industry workers. Nowadays, there are no records of anthropometric studies done on ethnic groups; therefore we use anthropometric cards from other countries where the physical characteristics are very different. The objective is to determine the anthropometric characteristics of the adult native population of the northern Sinaloa, doing an anthropometric data base of the adults belonging to the yoreme-mayo ethnicity.

Method: The measures were taken to 200 people between 18 and 25 years old (100 men and 100 women), all of them students of the “Universidad Autónoma Indígena de México (UAIM)”. The collected data team is comprised for 15 volunteers, who received training for 3 sessions. Twenty anthropometric measures were taken to the mayo-yoreme students. The subjects wear light clothes and work shoes.

Results: The anthropometric database presents the statistical analysis of anthropometric measurements which include the mean, standard deviation (SD), minimum (Min), maximum (Max), 5th percentile, 50th percentile and 95th percentile for male and female ethnic group.

Discussion: The results show that there are significant differences between the dimensions of the body of the different ethnic groups; therefore it’s important to consider this factor when designing the workstations, objects and clothes for the Mexican population.

Keywords: Design, Anthropometry, Ethnicity, Workstation

References:


