



## Anthropometry of the Egyptian female university student population

مسح للقياسات الأنثروبومترية لجسم عينة من طالبات الجامعات المصرية

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The impact of the lack of current anthropometric data upon the design of products, and clothing has not been properly investigated, however, international reports proved that missing anthropometry data may devastate Egyptian designers attempts to boost national economy. National anthropometric surveys are seldom in Egypt. To our knowledge the last wide survey was carried out in the early 1980s. Despite attempts by the design ergonomics information center DEIC, still, there is a severe shortage of such data. Designers of Egypt had to rely on other nations anthropometry with few modifications necessary from their point of view.

The **objective** of the present study has been to present a reliable, inclusive source of anthropometric data on Egyptian female students. To ensure the maximum consistency, a work team of 5, measurers, recorders, was selected and adequately trained.

The anthropometric survey obtained data from more than 2000 Egyptian female subjects aged 17 to 25. A set of 42 body dimensions were taken using a Harpenden anthropometer set. Subjects were selected randomly from a wide range of socio-economic, religious, and ethnic groups.

**Results** are constructed in a user friendly format usable by designers and engineers from various fields. Comparing the results to relevant international data shows a significant difference in a number of critical dimensions heavily used by designers.

*Keyword: Anthropometry, Egyptian females, ergonomic design*