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Application of multivariate statistical methods in the study of morphological features of *Tilapia cabrea*

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Data was collected on the morphological features of *Tilapia cabrea*. The weights and lengths were measured in grams and millimeters respectively. The data was subjected to a multivariate data analysis; the principal component analysis and the analysis showed that four principal components accounted for about 88% of the total variability *viz*: Body weights (X_3), body depth (X_8), snout length (X_6), and standard length (X_2). The analysis also included the total length (X_1) as one of the least contributors to the size of the fish. This could be justified as it is known that the fins and distance between the anterior and posterior extremity of the mouth of the fish are like chaff and have no weights.

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