To study factors effecting female literacy in Maharashtra using Principal Component Analysis

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Abstract

The study will provide an appraisal of the factors that have a vital influence on the female literacy in the State of Maharashtra. Literacy is generally recognized as an important input for social upliftment especially in areas of population control, health, hygiene environmental degradation control, empowerment of women and weaker sections of the society. The fifteen factors are used in the study of the variables affecting the female literacy rate in the combine data of Maharashtra. Principal Component Analysis method is used in the study. It is observed that four Principal Components have Eigen values more than one with total variance explained as 88.625 percent. A Varimax rotation method with Kaiser Normalization is used so that variable loads highly on a single factor and has small to moderate loadings on the remaining. Depending on the loading of a variable in Rotated Component Matrix the variables are categorized into four component.

Keywords: Female Literacy, Maharashtra, Principal Component Analysis

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