

USE OF MODELS IN FORECASTING PADDY PRODUCTION IN SRI LANKA

A.G.W. Nanayakkara
Dept. of Census and Statistics, Colombo

The Department of Census and Statistics has been conducting the acreage yield survey on paddy in east season Yala and Maha to estimate the production of paddy in Sri Lanka. Using this data and confining the study to only fitting the trends to a second degree polynomial, the equation of the trend curve for paddy production in the Maha Season can be given by $Y_t = 38000668.12 + 1923.198d + 39.03807d^2$.

Similar equations for Yala season can also be formed Model can be improved by considering other influencing variables.