

Forecasting Critical Dry Spell Lengths in Anamaduwa

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Abstract

Series of critical dry spell lengths in 56 years in Anamaduwa are analysed to predict the length of critical dry spells. Both linear and nonlinear time series approaches are tried to identify the best fitted model. By comparing various statistical indicators, bilinear model with auto regressive errors of order four is found to be the best model to fit the critical dry spell lengths.