

reflection

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A Review Article on Regional Maximum Rainfall frequency Analysis of North East India using Non-Parametric Methods

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Abstract

Rainfall frequency analysis can be done by two methods. They are the parametric method and the nonparametric method. The parametric methods consist of the unknown probability density function with a finite set of parameters, while the nonparametric methods do not limit the possible form of density function by assuming probability density function. In this review article, non-parametric kernel method and different bandwidth selection procedures are reviewed.

Keyword: Rainfall, Non-parametric, kernel, bandwidth.

1. Introduction:

The economic development of North East India depends on agriculture. The common disaster in the most part of this region is flood caused by heavy rainfall which damages crops and properties of people. Rainfall has a direct impact on the economy of this region.