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A study of relationship between rainfall and Timah Tasoh reservoir water level using regression analysis

Abstract

This paper presents the application of regression analysis in measuring the relationship between rainfall area and Timah Tasoh reservoir level. The trend lines of the rainfall data on a monthly basis were checked. The data collected from the year 2007 until 2012 were run using JMP software to obtain the regression model. Result showed that Wang Kelian has high humidity in Perlis and significantly has contributed to high level of Timah Tasoh reservoir.

Keywords

Rainfall; Regression analysis; Reservoir level; Time series