

## Temperature forecast for city of Lavras-MG using time series models

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**Abstract:** *This paper studies the compensated average serie of monthly temperature of the city of Lavras, from 1998 to 2018. The selection of the model was wich on the lowest mean square error and lowest mean absolute percentage error: SARIMA(4,0,0)(0,1,1)<sub>12</sub> and exponential seasonal smoothing model of Holt-Winters.*

**Keywords:** Exponential smoothing; Holt-Winters; SARIMA, forecasting.

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