

## Spatio-temporal analysis of fires in the Itatiaia National Park using the marked variogram

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**Abstract:** *Forest fires are a big problem in Brazil. We studied the behavior of heat sources between 2010-2016 in the Itatiaia National Park using the marked variogram. We verified that there is correlation for the locations of heat sources for time distances of up to 120 days.*

**Keywords:** Fires; spatial statistics, point processes; marked variogram.

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