

Homicides of social leaders, human rights defenders and signatories of the peace agreement in Colombia 2021-2022 - A first spatial model

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Abstract

In Colombia, the homicide of social leaders has increased significantly after the signing of the peace agreement with the FARC guerrillas, without the apparent recognition and intervention of the Colombian State to reduce this problem. ¹ These homicides maintain certain patterns described by different social organizations. ² This article will analyze the data related to the homicide of Colombian social leaders in the years from 2020 to 2022. To understand these patterns, the application of a statistical methodology that allows us to analyze whether there is spatial dependence in the homicides of social leaders, that is, if there is a pattern and it can be expressed in a grouped, non-grouped (dispersed) or random manner. As a methodology we will use measures of spatial dependence and hypothesis testing, such as Moran's I index. Then a spatial model is proposed with an explanatory variable such as illicit crops in Colombia.

Keywords: Homicides of social leaders Human rights defenders and signatories of the peace agreement in Colombia, Global Spatial Autocorrelation Indices - Moran's I, spatial regression in areas

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