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CPS Poster

Three-Dimensional Spatial Association Measures

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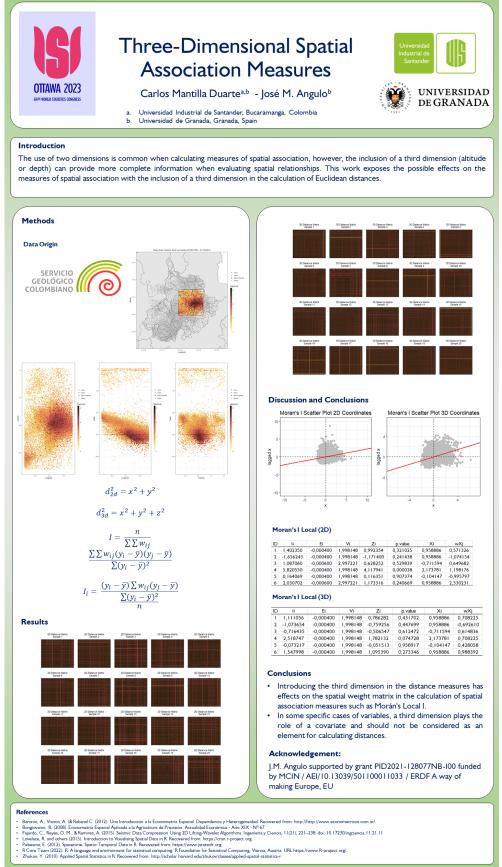
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Presentation Image





Presentation File

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Brief Description

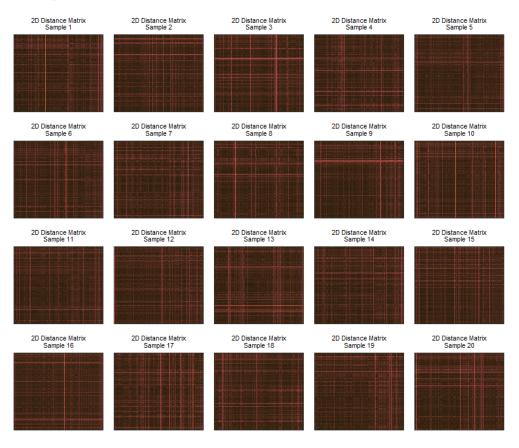
This session shows: the source of the data, the effects of including a third dimension in the distance measures and the effects on some special association measures such as Morán's I

Abstract

The use of two dimensions is common when calculating measures of spatial association, however, the inclusion of a third dimension (altitude or depth) can provide more complete information when evaluating spatial relationships. This work exposes the possible effects on the measures of spatial association with the inclusion of a third dimension in the calculation of Euclidean distances.

Figures/Tables

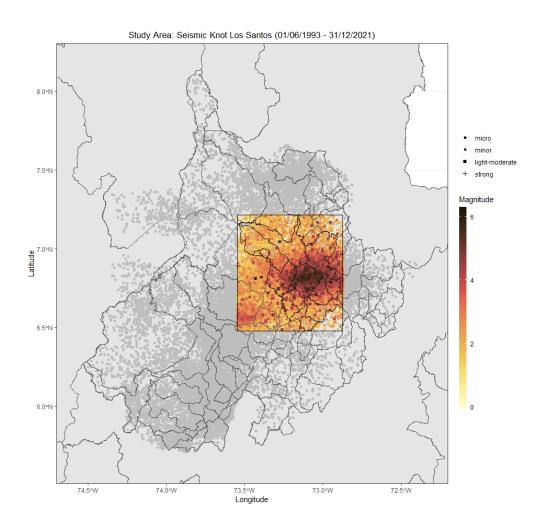
Distance2d_MatrixPlot



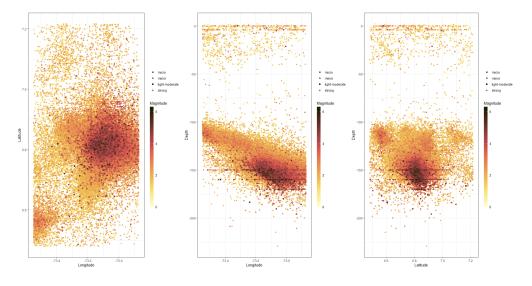
Distance3d_MatrixPlot

| 3D Distance Matrix |
|--------------------|--------------------|--------------------|--------------------|--------------------|
| Sample 1 | Sample 2 | Sample 3 | Sample 4 | Sample 5 |
| | | | | |
| 3D Distance Matrix |
| Sample 6 | Sample 7 | Sample 8 | Sample 9 | Sample 10 |
| | | | | |
| 3D Distance Matrix |
| Sample 11 | Sample 12 | Sample 13 | Sample 14 | Sample 15 |
| | | | | |
| 3D Distance Matrix |
| Sample 16 | Sample 17 | Sample 18 | Sample 19 | Sample 20 |
| | | | | |

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16Los_Santos_byCoords



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