# Study on the state of damage and the geographic distribution of flood damages in Japan from 2008 to 2017

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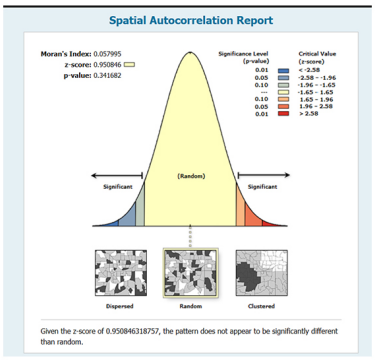
In recent years, under the influence of climate factors such as global warming, Japan has also suffered heavy rains year after year, causing serious losses.
Through the study of the flood disaster losses in the 10 years from 2008 to 2017, it was found that the severely affected areas tended to be concentrated in recent years. In addition, in the research, I divided the damaged assets into three types according to their ownership and use, and found that in the same disaster, the distribution patterns of these three types of asset losses are also different.

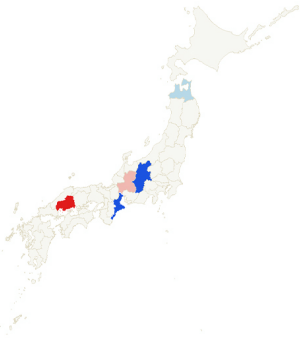
Keywords: Flood disasters, Clustering distribution, Spatially auto-correlated

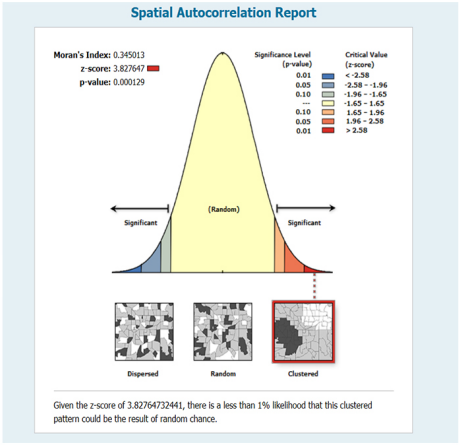
# Spatial autocorrelation and clustering analysis of different asset types

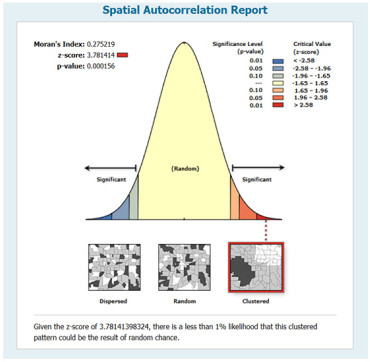
(Just shows the results of 2008 in this page)

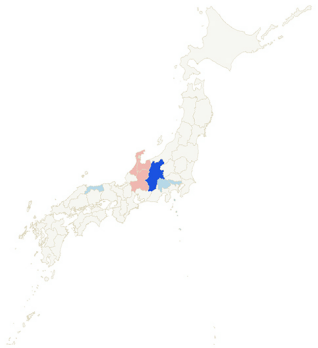


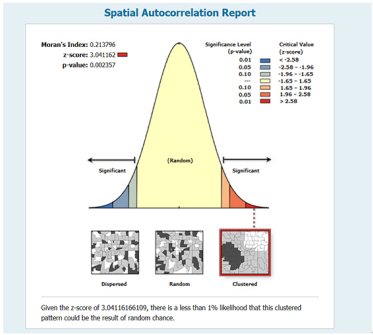
Moran Index Analysis of General Asset

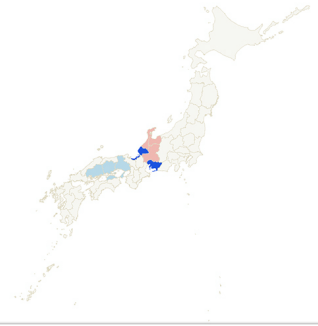


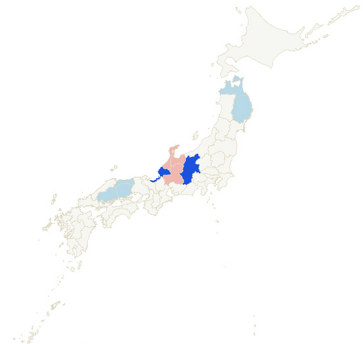



Moran Index Analysis of Public civil facility damage



Moran Index Analysis of Public utilities damage



Index Analysis of Moran Index Analysis of Total damage