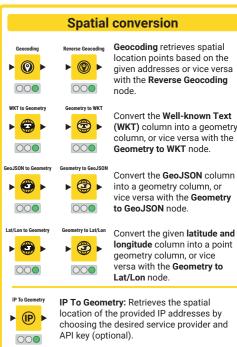






Geometry To Point • <mark>ا</mark> 000



Geometry To Metadata: Extracts metadata Geometry to Metadata for each geometry within the selected ► **()** ► column. It includes the CRS, the geometry type, and a flag indicating the presence of z-coordinates

## **Spatial clustering**

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SCHC: A special form of constrained clustering, where the constraint is based on contiguity (common borders) and agglomerative hierarchical clustering methods

REDCAP: A clustering method that starts from building a spanning three in four different ways (like



SKATE



SKATER: A clustering method based on the optimal pruning of a minimum spanning tree that reflects the contiguity structure among the observations. It provides an optimized algorithm to prune the tree into several clusters so that the values of selected variables are as similar as possible.

AZP: A greedy clustering algorithm for automatic zoning procedure. It tries to find the best set of combinations of contiguous spatial units into p regions, minimizing the within sum of squares as a criterion of homogeneity.

MaxP: A greedy clustering algorithm to solve the max-p-region problem. It consists of a search process that starts with an initial feasible solution and iteratively improves upon it while maintaining contiguity among the elements of each cluster.

Mean Center: Computes the mean center of a set of features and assess the compactness of their spatial distribution using Standard Distance (or standard deviation of distances). This measure is typically represented as a circle with a radius of the circle equal to the standard distance



Standard Deviational Ellipse: Calculate parameters of standard deviational ellipse for a point pattern. These measures define the axes of an ellipse (or ellipsoid) encompassing the distribution of

## Resources

KNIME Press: Access various data science books and other cheat sheets at

knime.com/knimepress, including beginner and advanced topics.

• KNIME blog: Engaging topics, challenges, industry news, & knowledge nuggets at knime.com/blog.

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