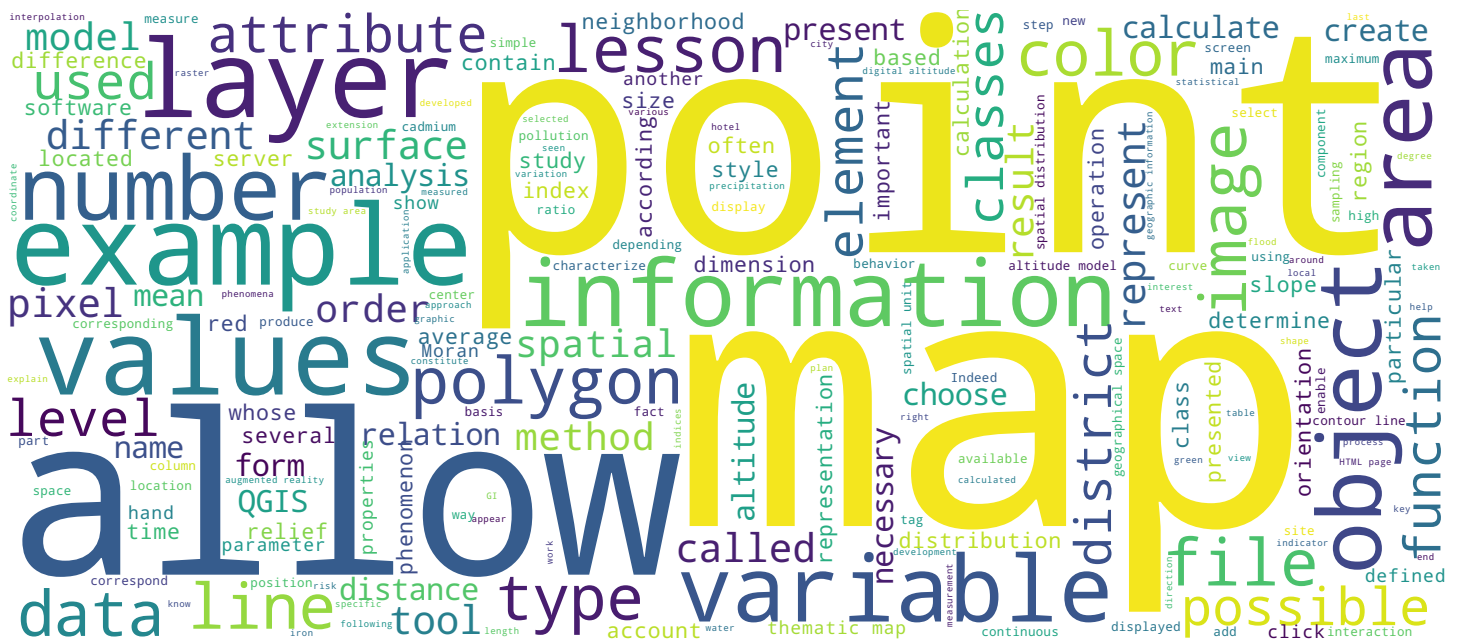


Summary

Discrete Variables – Geometric Properties

Geographic Information Systems

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Video



Summary

- Discrete variables: points, lines and polygons
- Geometric properties
 - Location
 - Size
 - Shape
- Enable the characterization of discontinuous phenomena over different scales



So, we have presented in this lesson the discrete geographic variables which serve to represent, at different scales, the phenomena distributed in geographical space and which are not continuous. These discrete variables can vary according to their geometric properties. The points, of dimension 0, can vary according to their position only. Lines and polygons can vary depending on position, size and shape. Different indices allow to characterize the discrete geographic variables including the indices of form, and among these, the compactness indices such as that of Gravelius are often used to characterize watersheds in hydrology. You have now acquired the necessary knowledge to tackle the next lesson in which we will see how to describe spatial relations between sets of geographical objects.

Notes

Summary

