

# What Is Cluster Analysis?

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- ❑ When flying over a city, one can easily identify fields, forests, commercial areas, and residential areas based on their features, without anyone's explicit "training" - this is the power of cluster analysis. This course will systematically study cluster analysis methods and help answer the following:
  - ❑ What are the different proximity measures for effective clustering?
  - ❑ Can we cluster a massive number of data points efficiently?
  - ❑ Can we find clusters of arbitrary shape? At multiple levels of granularity?
  - ❑ How can we judge the quality of the clusters discovered by our system?