



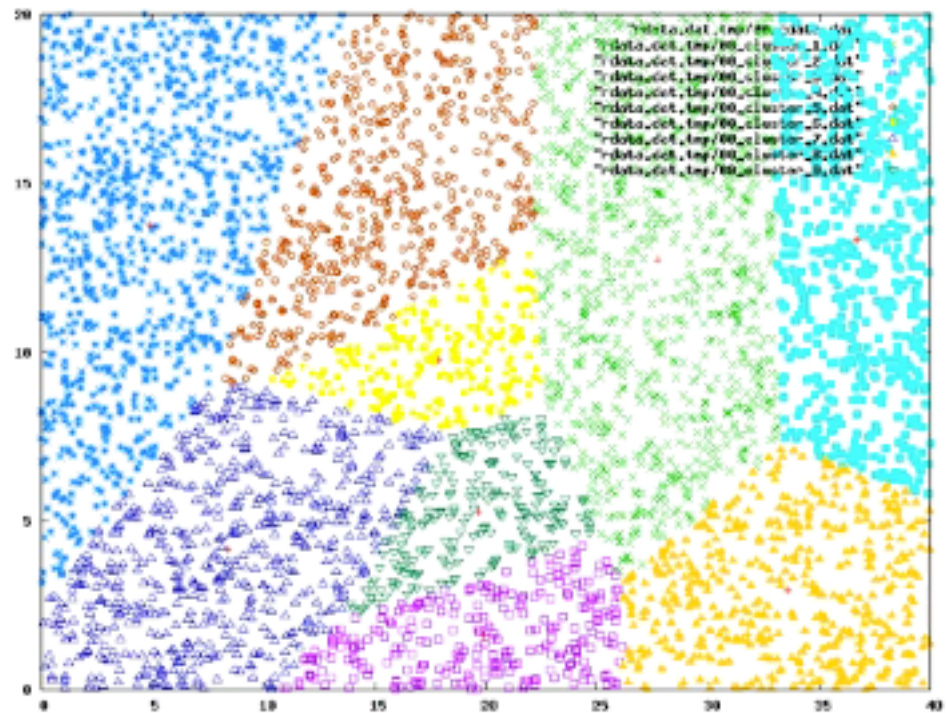
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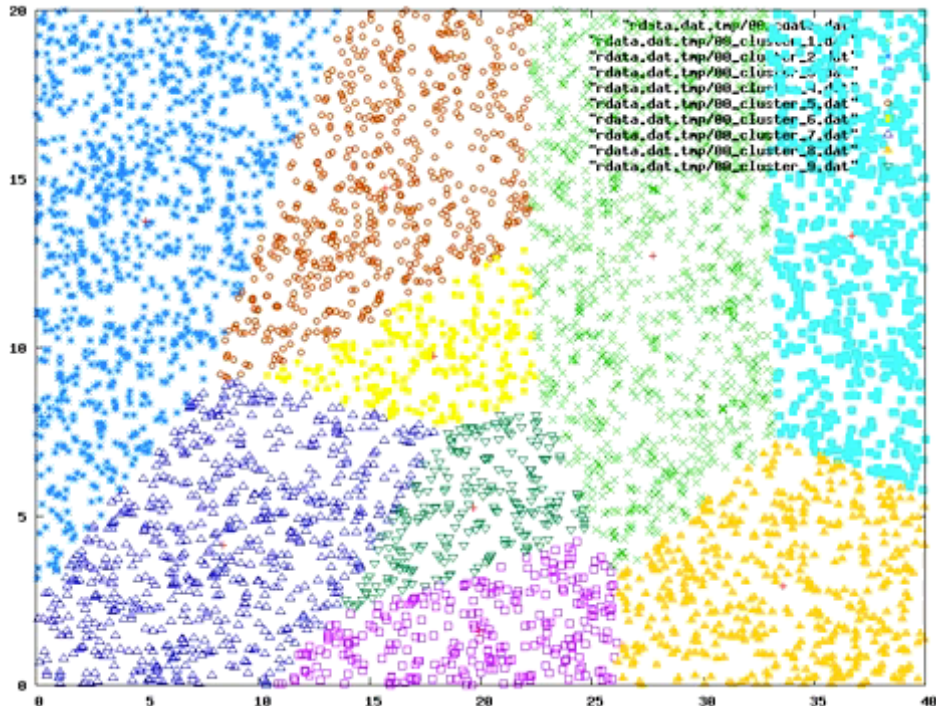
- Large Amount of Data to Compute.
- Time expensive algorithms.
- Computer Simulations and ...







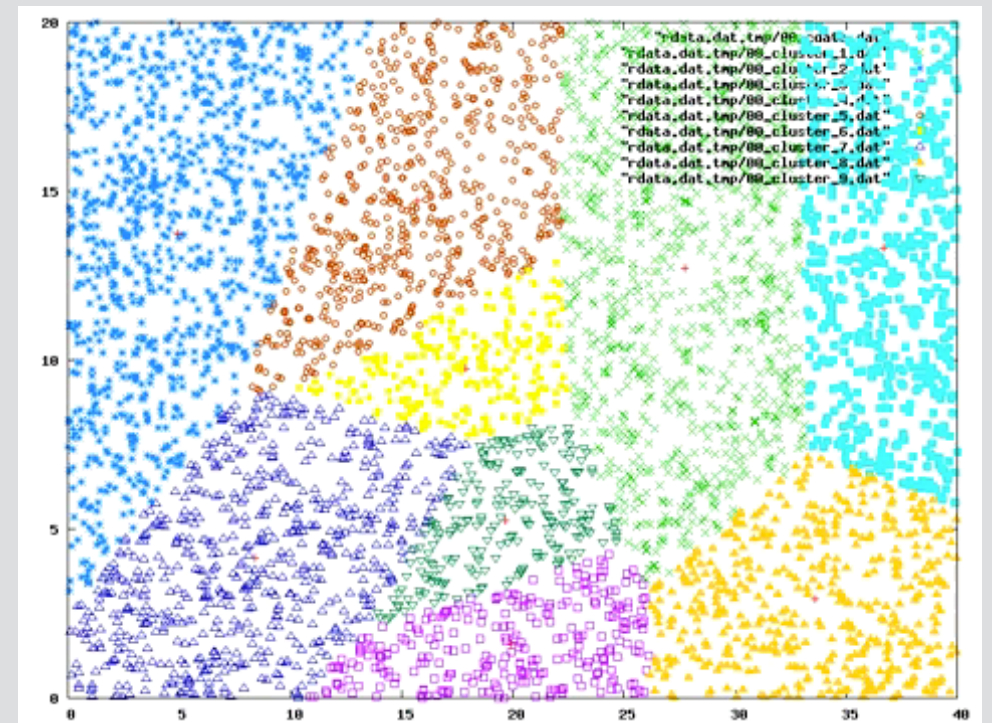






# Motivation

- Large Amount of Data to Compute.
- Time expensive algorithms.
- Computer Simulations and ...



# Increasing The Speed of Processors

## Moore's Law

- Moore's Law:

observation made by Intel co-founder Gordon **Moore** in 1965. He noticed that the number of transistors per square inch on integrated circuits had doubled every year since their invention. **Moore's law** predicts that this trend will continue into the foreseeable future.