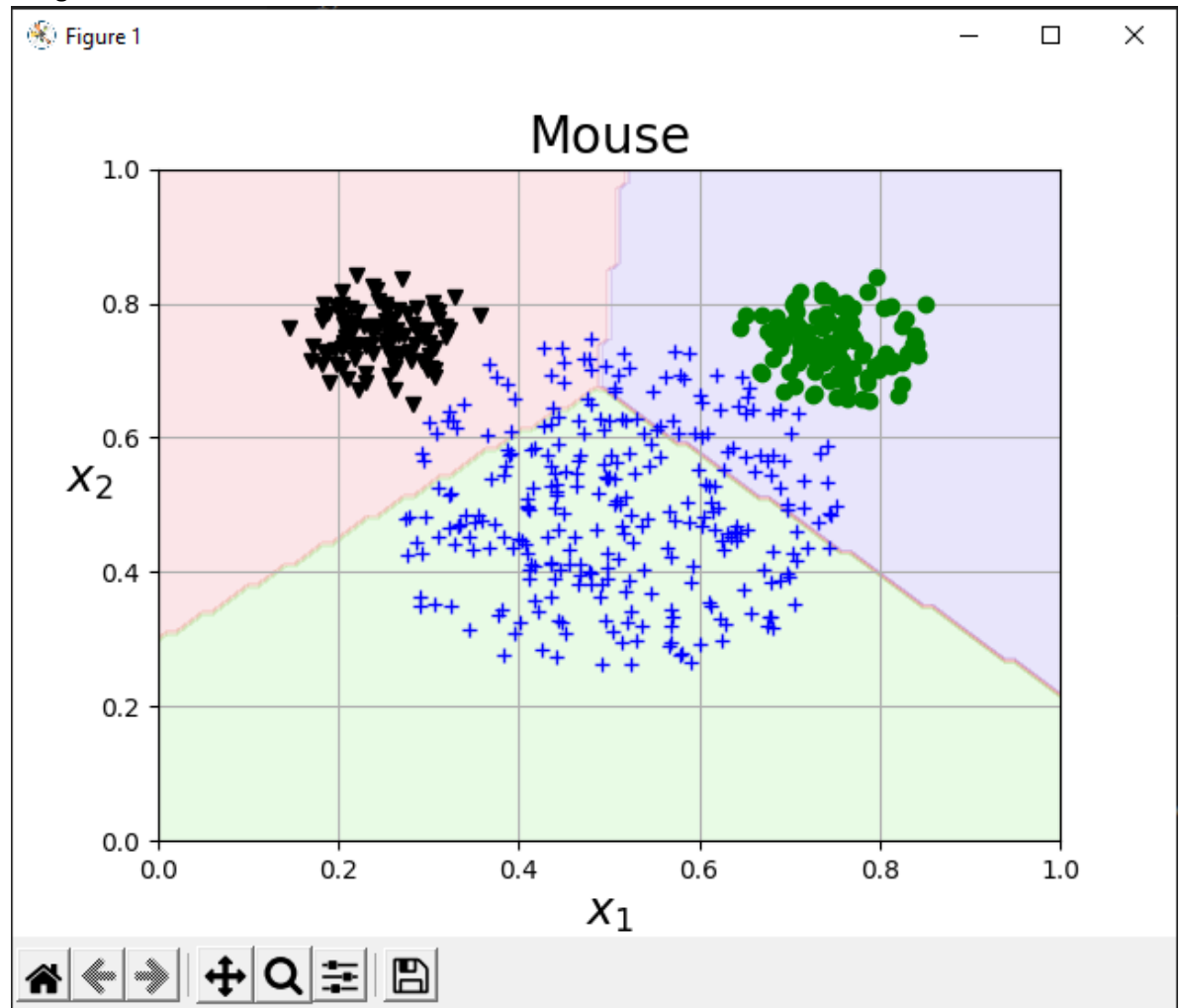


How a clustering algorithm works

The goal of this assignment is to get an intuitive sense of how different clustering algorithms work.

- i) In this part of the assignment, apply the k-means clustering algorithm to a synthetic mouse dataset mouse.csv. Use the scikit-learn implementation of k-means clustering with default parameters and $K = 3$ clusters. Plot the data colored by k-means cluster assignments.



- ii) Implement k-means from scratch and compare your results with the obtained with the scikit-learn implementation.