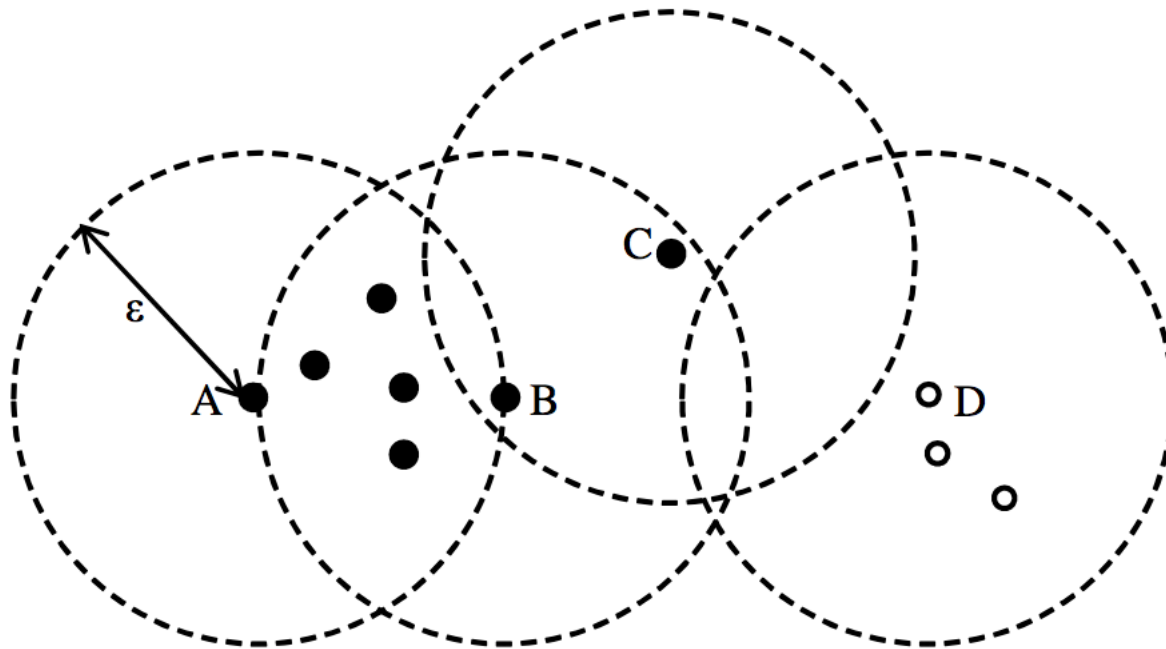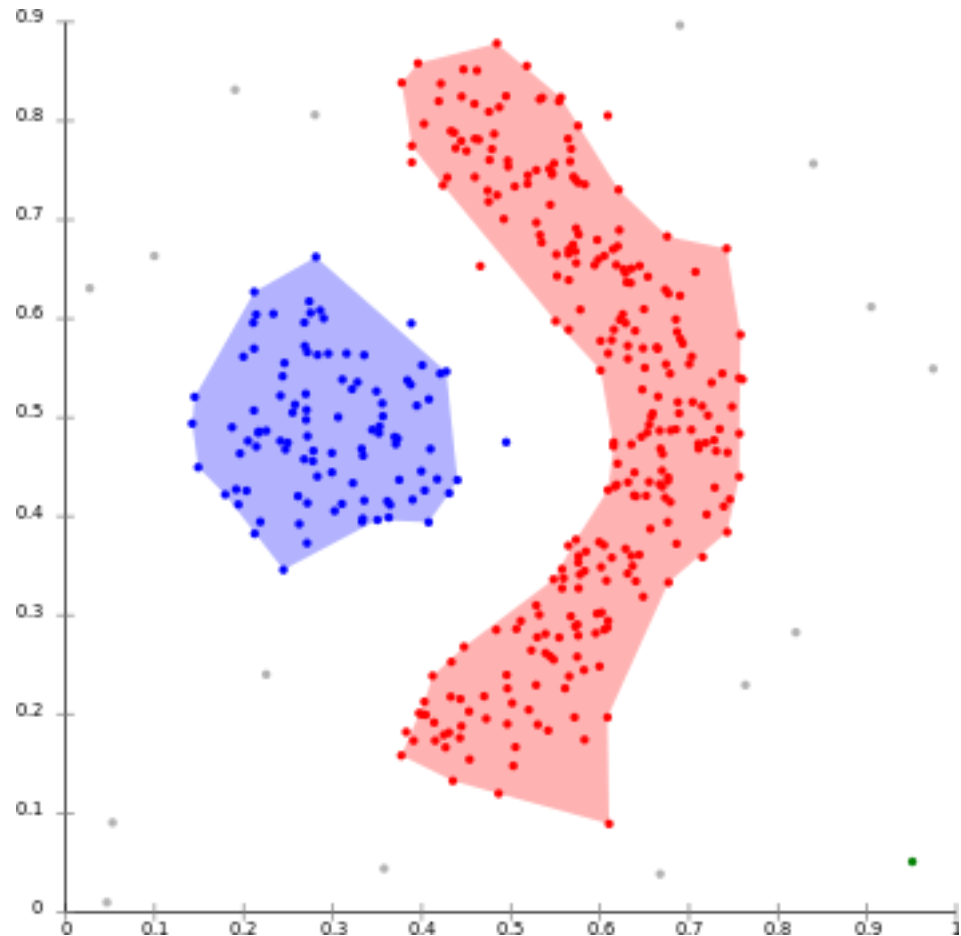# DBSCAN

DBSCAN Advantages

Finds non linearly separable clusters

No need to assume a fixed number of clusters

No dependence on starting conditions

Only two parameters: distance threshold
minimum neighbors
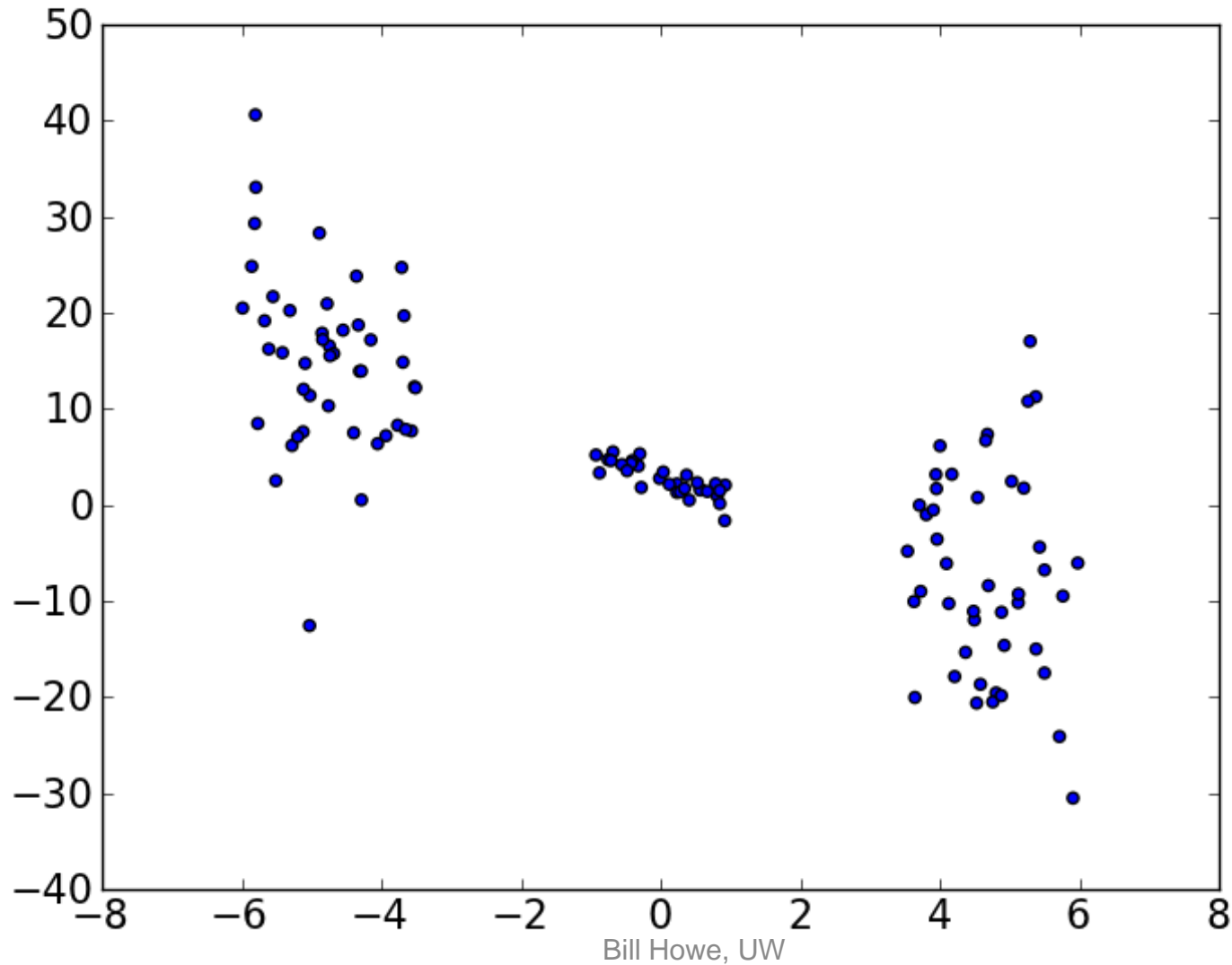
Amenable to spatial indexing techniques: O(n log n)

http://commons.wikimedia.org/wiki/File:DBSCAN-density-data.svg

DBSCAN Disadvantages

Sensitive to Euclidean distance measure problems
(But so is k-means)

Variable density can be a problem
Related to heteroskedasticity

Variable density

Parallelizing DBSCAN

http://scikit-learn.org/stable/modules/clustering.html