

# Supplementary Notes #3

COMP 578 Data Mining and Data Warehousing  
MScECT, Semester 1, 03-04

## Clustering Exercise

1. Given the data in the following table. If we are to divide the stocks into two groups according to their characteristics, which ones should be in which group? Use the single-linkage hierarchical agglomerative clustering approach to find the answer.

Stock No.	Average High	Average Low
1	0.5	0.1
2	0.8	0.3
3	0.9	0.2
4	0.6	0.1
5	0.7	0.3
6	0.8	0.4

2. Repeat the above using the  $k$ -means algorithm.
3. Use Condorset to group the following customers into groups according to their facial features.

