CS663 Assignment3 Question2 Report

1) ORL Dataset Data:

No	k	Recognition Rate (%)
1	1	9.71
2	2	35.43
3	3	58.29
4	5	70.86
5	10	85.71
6	20	89.14
7	30	90.86
8	50	91.43
9	75	91.43
10	100	91.43
11	125	91.43
12	150	92.00
13	170	91.43

Scatter plot for recognitions:
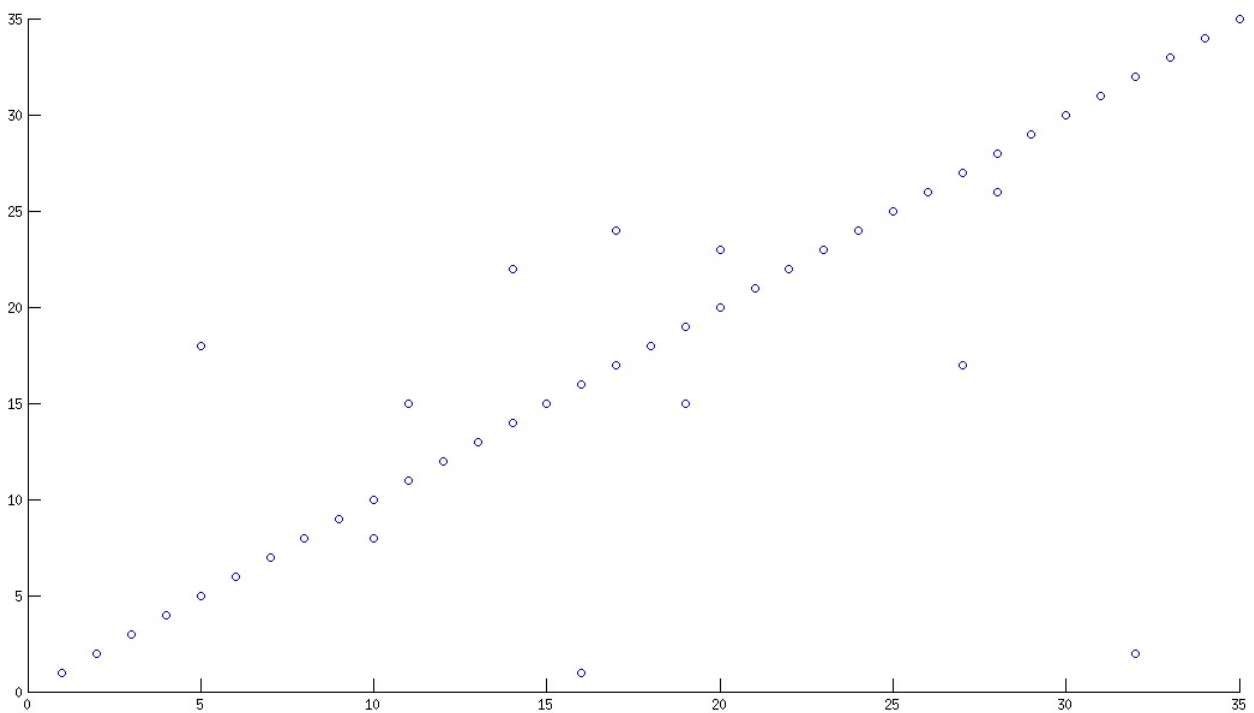
2) Yale Dataset Data:

No	k	Recognition Rate (%)
1	1	17.14
2	2	28.57
3	3	44.76
4	5	68.57
5	10	89.52
6	20	100.00
7	30	100.00
8	50	100.00
9	60	100.00
10	65	100.00
11	70	100.00

Scatter plot for recognitions: