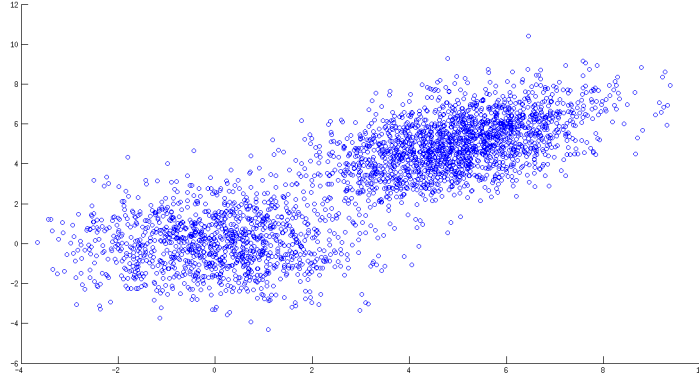# CS663 Assignment-5 Question-1 Report
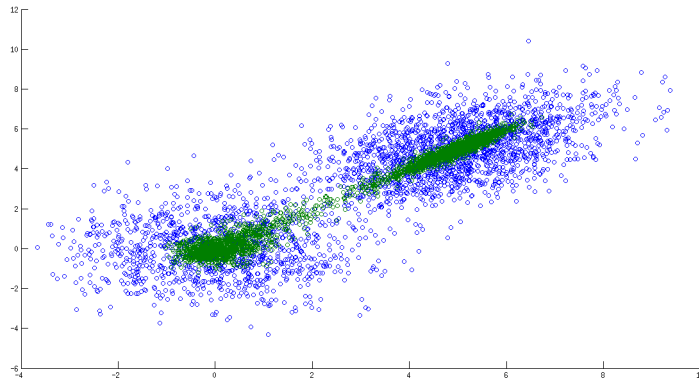
KOTWAL ALANKAR SHASHIKANT — 12D070010

October 31, 2014

The generated scatter-plot is shown below:

Note that the blob centred at zero looks non-circular because scales of the axes are not the same.
After mean-shift, the new points are marked in green on the same plot:

For the 3000 sample points in the given distribution, and for a minimum movement of 0.0000001 between iterations, the minimum number of convergence steps is 2. The maximum is 5, and the average is 3.35.