**PROBLEM STATEMENT:**

You work as a data scientist at a major bank in NYC and you have been tasked to develop a model that can predict whether a customer can retire or not based on his/her features. Features are his/her age and net 401K savings (retirement savings in the U.S.). You thought that Support Vector Machines can be a great candidate to solve the problem.

**Input Data:**

Data features include Age and 401K Savings which is used in the US.

**Methods used:**

* Model is predicted by using Support Vector Machines (SVM) in unsupervised learning of machine learning.
* Data is visualized by using scatter, pair plot and count plot.
* Model accuracy is increased by using two different methods and classification reports are generated to show the accuracy level of the model.
* C and Gamma parameters are used to improve the accuracy in method 2. Generalized and over-fitted model depend upon the values of these parameters.