Recommendation Stage

The following function named “dis\_rec” is created using the MATLAB software for K-means clustering.

function [c,cw,id\_c,id\_cw]=dis\_rec(sale\_points,weight,n)

%% Direct kmeans

[id\_c,c]=kmeans(sale\_points,n);

%% Weighted Kmeans

%Duplicating points based of weight

sp\_w=[];

for i=1:length(weight)

nn=weight(i);

el=sale\_points(i,:);

for j=1:length(nn)

sp\_w=[sp\_w;el];

end

end

[id\_cw,cw]=kmeans(sp\_w,n)

end