

Average Initialization

	feat1	feat2	feat3
x1	1	2	3
x2	1	4	3
x3	5	6	7
x4	1	2	5
x5	0	1	1
x6	2	3	5

Given $k=3$, initial cluster centers are:

$$C1 = ([1,2,3] + [1,4,3]) / 2 = [1,3,3]$$

$$C2 = ([5,6,7] + [1,2,5]) / 2 = [3,4,6]$$

$$C3 = ([0,1,1] + [2,3,5]) / 2 = [1,2,3]$$