

Quiz Problem 9

Complete one iteration of the k-means algorithm. Given a one-dimensional data set $\{1,3,5,9,10,15,20,25\}$ and for $K = 2$ two means $\mu_1^{(0)} = 3.5$ and $\mu_2^{(0)} = 19$ what are the updated means $\mu_1^{(1)}$ and $\mu_2^{(1)}$ after one iteration of the K-mean algorithm?