7. The K-Means Algorithm: The Big Picture

Exercises due Apr 19, 2023 08:59 -03 Completed

The K-Means Algorithm: The Big Picture

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The K-Means Algorithm: Step-by-Step

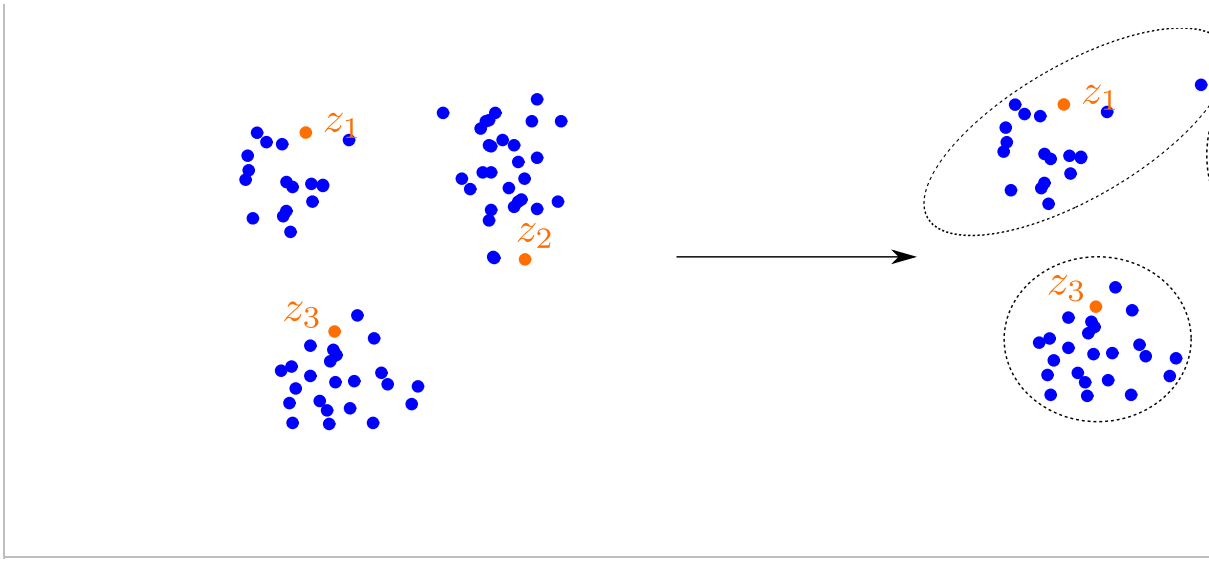
2/2 points (graded)
In the above lecture, given a set of feature vectors

$$S_n = \{x^{(i)} | i = 1, \ldots, n\}$$

and the number of clusters K, we saw that we can use the K-Means algorithm to find r
assignments $C_1, \ldots, C_K$ and the representatives of each of the K clusters $z_1, \ldots, z$
given as follows:

1. Randomly select $z_1, \ldots, z_K$

2. Iterate



Which is it?

- Step 1
- Step 2.1
- Step 2.2

✔

2. The fo

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Why can't we use gradient descent on the cost function?

Like we did with Neural networks and Classifiers