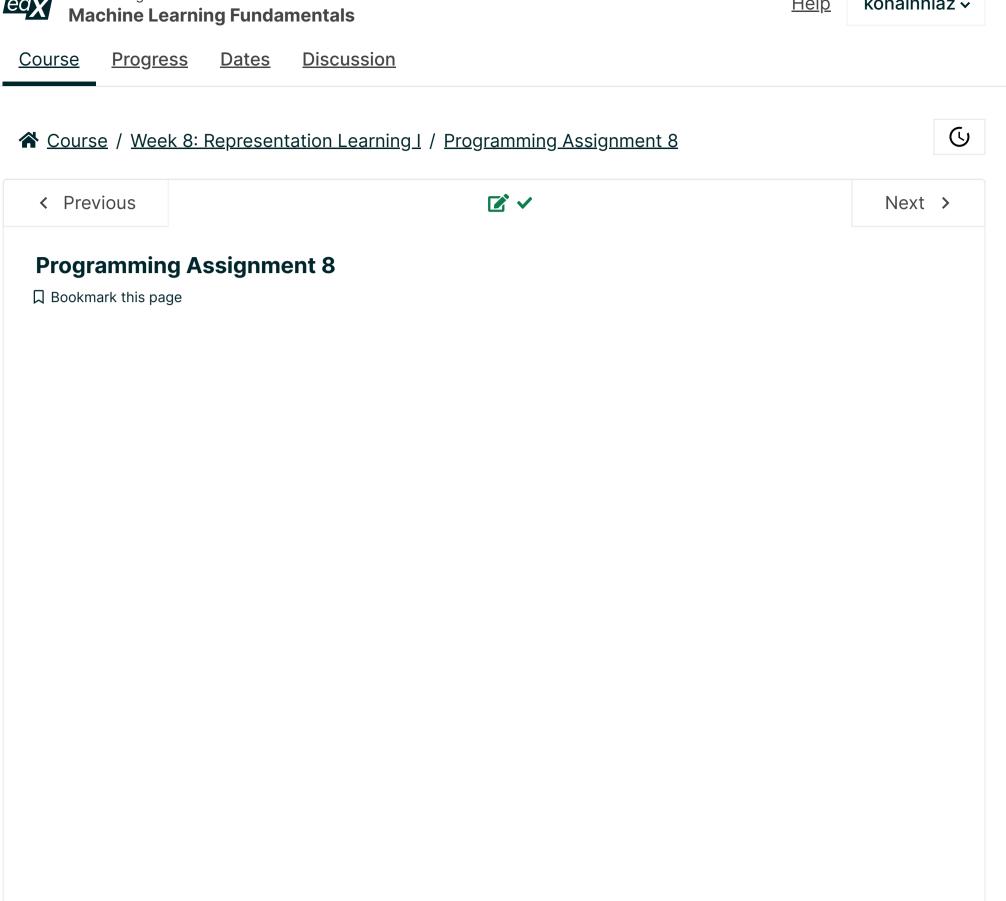


<u>Help</u>

konainniaz 🗸



Programming Assignments due Jul 26, 2022 23:00 PKT Completed Click this link to download the Animals Clustering notebook and then complete problems 1-4. Problem 1 1/1 point (graded) What initialization method was used for k-means in the notebook? \bigcirc The k-means++ algorithm was called lacksquare centers were chosen at random from the data points \bigcirc The first $m{k}$ data points were chosen as centers Submit Problem 2 1/1 point (graded) Based on your experiences with k-means, which of the following statements seems the most accurate? lacktriangle In general, the k-means cost function has multiple local optima \bigcirc Lloyd's algorithm does not necessarily find a local optimum of the k-means cost function \bigcirc Lloyd's algorithm finds the global optimum of the k-means cost function Submit Problem 3 1/1 point (graded) Does it make sense to run Ward's hierarchical clustering algorithm several times on the same data No, because it returns the same result every time Yes, because it may return different results every time and we can choose the best of them Yes, because it always returns different results, and we can combine them into a single good. hierarchy

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