

Guided Projects Artificial Intelligence & Machine Learning

Guided Projects: Unsupervised Learning

K-Means Clustering: Image Segmentation

Question:

Take a bright colorful image (Eg: image having fruits in it) and implement image segmentation using K-Means. You can first try to implement K-Means on iris dataset to understand its working and then extend the same logic, using the image pixels as the data points. Hint: All the K centroids will represent a color and therefore, you can initialize all the pixels to belong to a cluster randomly and then start the training of the centroids.