To test with less overlapping I changed the cluster centers to make them further apart:

- #(0,0)
- #(4.0)
- #(0.4)
- # (4.4)

The less overlapped cluster centers <u>increased</u> our performance. At four clusters, the silhouette score was 0.725. The clusters were now easier to differentiate and closer to their centroids, lowering the chance for misclassification.

