1.	What is the weight that EM assigns to the first component after running the above codeblock? Round your answer to 3 decimal places.	1 point
	0.300	
2.	Using the same set of results, obtain the mean that EM assigns the second component. What is the mean in the first dimension? Round your answer to 3 decimal places.	1 point
	4.942	
3.	Using the same set of results, obtain the covariance that EM assigns the third component. What is the variance in the first dimension? Round your answer to 3 decimal places.	1 point
	0.671	
4.	Is the loglikelihood plot monotonically increasing, monotonically decreasing, or neither?	1 point
	Monotonically increasing Monotonically decreasing Neither	
5.	Calculate the likelihood (score) of the first image in our data set (img[0]) under each Gaussian component through a call to `multivariate_normal.pdf`. Given these values, what cluster assignment should we make for this image? Cluster 0 Cluster 1 Cluster 2	1 point
	Oluster 3	



Image 1



/

Image 2



Image 3



__ Image 4



☐ Image 5



Image 6



Image 7

