



SEARCH

RESOURCES

CONCEPTS

✓

6. GMM in 2D

✓

7. Quiz: Gaussian Mixtures

✓

8. Overview of The Expectation M...

✓

9. Expectation Maximization Part 1

✓

10. Expectation Maximization Par...

✓

11. Visual Example of EM Progress

✓

12. Quiz: Expectation Maximizat...

✓

13. GMM Implementation

✓

14. GMM Examples & Applications

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15. Cluster Analysis Process

●

16. Cluster Validation

●

17. External Validation Indices

●

18. Quiz: Adjusted Rand Index

●

19. Lab: GMM & ARI

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20. Lab Solution: GMM & ARI

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21. Internal Validation Indices

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22. Silhouette Coefficient

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23. Lab: GMM & Silhouette

●

24. Lab Solution: GMM & Silhouet...

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25. Lesson Recap

QUESTION 1 OF 3

True or false: It does not matter how we initialize the Gaussians in the first step of the Expectation Maximization algorithm, it will always converge to the best values.

True

False

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QUESTION 2 OF 3

True or false: It does not matter what covariance type we choose to converge the calculation in Expectation Maximization algorithm, it will always converge to the best values.

True

False

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QUESTION 3 OF 3

Which of the following is **wrong** about the Expectation Maximization algorithm.

Initialize the number of clusters and the Gaussian distribution for each cluster is required.

The probability of a point belonging to a cluster is calculated using the probability density function of a Normal distribution.

We only need to re-estimate the parameters of the Gaussians once.

Better Gaussian parameters produce higher log-likelihood values.

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