Section 4: Detecting Patterns with Unsupervised Learning

Now that you are done with the videos of section 4, let's assess your learning. Here, are a few questions, followed by 4 options, out of which 1 is the correct option. Select the right option and validate your learning! The answers are provided in a separate sheet

Q1. Which model is represented as a weighted summation of component Gaussian functions?

    a. Gaussian mixture model
    b. Multivariate Gaussian mixture model
    c. Categorical mixture model
    d. General mixture model

Q2. Which of the following parameter impacts bandwidth estimation?

    a. Bandwidth
    b. Estimate_bandwidth
    c. Quantile
    d. Bin_seeding

Q3. Can you select the correct parameters that are needed to be passed while computing clustering with MeanShift?

    a. Init, n_clusters and n_init
    b. N_components, covariance_type, init_params, n_iter
    c. X, quantile, n_samples
    d. Bandwidth and bin_seeding

Q4. Which of the following is a method of interpretation and validation of consistency within clusters of data?

    a. Silhouette
    b. Clustering
    c. Dunn
    d. Clumping

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