

Assignment #2 – Gaussian_1d

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CSE 6363 – Machine Learning

File to be read:
yeast_training.txt

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Class 1, dimension 1, mean = 0.52, variance = 0.01
Class 1, dimension 2, mean = 0.54, variance = 0.01
Class 1, dimension 3, mean = 0.52, variance = 0.01
Class 1, dimension 4, mean = 0.41, variance = 0.03
Class 1, dimension 5, mean = 0.5, variance = 0.0
Class 1, dimension 6, mean = 0.0, variance = 0.0
Class 1, dimension 7, mean = 0.5, variance = 0.0
Class 1, dimension 8, mean = 0.24, variance = 0.0
Class 2, dimension 1, mean = 0.45, variance = 0.01
Class 2, dimension 2, mean = 0.45, variance = 0.01
Class 2, dimension 3, mean = 0.53, variance = 0.0
Class 2, dimension 4, mean = 0.23, variance = 0.01
Class 2, dimension 5, mean = 0.5, variance = 0.0
Class 2, dimension 6, mean = 0.0, variance = 0.0
Class 2, dimension 7, mean = 0.49, variance = 0.0
Class 2, dimension 8, mean = 0.33, variance = 0.02
Class 3, dimension 1, mean = 0.43, variance = 0.01
Class 3, dimension 2, mean = 0.48, variance = 0.01
Class 3, dimension 3, mean = 0.36, variance = 0.0
Class 3, dimension 4, mean = 0.22, variance = 0.01
Class 3, dimension 5, mean = 0.51, variance = 0.0
Class 3, dimension 6, mean = 0.0, variance = 0.0
Class 3, dimension 7, mean = 0.51, variance = 0.0
Class 3, dimension 8, mean = 0.27, variance = 0.01
Class 4, dimension 1, mean = 0.79, variance = 0.01
Class 4, dimension 2, mean = 0.76, variance = 0.01
Class 4, dimension 3, mean = 0.38, variance = 0.0
Class 4, dimension 4, mean = 0.32, variance = 0.01
Class 4, dimension 5, mean = 0.5, variance = 0.0
Class 4, dimension 6, mean = 0.0, variance = 0.0
Class 4, dimension 7, mean = 0.51, variance = 0.0
Class 4, dimension 8, mean = 0.27, variance = 0.01
Class 5, dimension 1, mean = 0.74, variance = 0.02
Class 5, dimension 2, mean = 0.62, variance = 0.02
Class 5, dimension 3, mean = 0.42, variance = 0.01
Class 5, dimension 4, mean = 0.3, variance = 0.02
Class 5, dimension 5, mean = 0.5, variance = 0.0
Class 5, dimension 6, mean = 0.0, variance = 0.0
Class 5, dimension 7, mean = 0.51, variance = 0.0
Class 5, dimension 8, mean = 0.24, variance = 0.0
Class 6, dimension 1, mean = 0.54, variance = 0.02
Class 6, dimension 2, mean = 0.5, variance = 0.01
Class 6, dimension 3, mean = 0.51, variance = 0.0
Class 6, dimension 4, mean = 0.24, variance = 0.01
Class 6, dimension 5, mean = 0.5, variance = 0.0
Class 6, dimension 6, mean = 0.49, variance = 0.15
Class 6, dimension 7, mean = 0.51, variance = 0.0
Class 6, dimension 8, mean = 0.24, variance = 0.0
Class 7, dimension 1, mean = 0.48, variance = 0.01
Class 7, dimension 2, mean = 0.47, variance = 0.01
Class 7, dimension 3, mean = 0.54, variance = 0.0
Class 7, dimension 4, mean = 0.22, variance = 0.01
Class 7, dimension 5, mean = 0.5, variance = 0.0
Class 7, dimension 6, mean = 0.0, variance = 0.0
Class 7, dimension 7, mean = 0.5, variance = 0.0
Class 7, dimension 8, mean = 0.26, variance = 0.01
Class 8, dimension 1, mean = 0.74, variance = 0.01
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Class 8, dimension 2, mean = 0.73, variance = 0.01
Class 8, dimension 3, mean = 0.49, variance = 0.0
Class 8, dimension 4, mean = 0.29, variance = 0.0
Class 8, dimension 5, mean = 0.5, variance = 0.0
Class 8, dimension 6, mean = 0.0, variance = 0.0
Class 8, dimension 7, mean = 0.46, variance = 0.01
Class 8, dimension 8, mean = 0.23, variance = 0.0
Class 9, dimension 1, mean = 0.55, variance = 0.02
Class 9, dimension 2, mean = 0.56, variance = 0.03
Class 9, dimension 3, mean = 0.51, variance = 0.0
Class 9, dimension 4, mean = 0.2, variance = 0.0
Class 9, dimension 5, mean = 0.5, variance = 0.0
Class 9, dimension 6, mean = 0.0, variance = 0.0
Class 9, dimension 7, mean = 0.53, variance = 0.0
Class 9, dimension 8, mean = 0.24, variance = 0.0
Class 10, dimension 1, mean = 0.77, variance = 0.0
Class 10, dimension 2, mean = 0.73, variance = 0.02
Class 10, dimension 3, mean = 0.48, variance = 0.01
Class 10, dimension 4, mean = 0.33, variance = 0.01
Class 10, dimension 5, mean = 1.0, variance = 0.0
Class 10, dimension 6, mean = 0.0, variance = 0.0
Class 10, dimension 7, mean = 0.55, variance = 0.0
Class 10, dimension 8, mean = 0.23, variance = 0.0