

Name: Aditya
Surname: Pandey
Student Id: 1001405034
Course Name: Machine Learning
Course Number: 6363

For Histograms

run:

yeast_training.txt yeast_test.txt histograms 7

Class 1, attribute 0, bin 0, $P(\text{bin} \mid \text{class}) = 0.00$

Class 1, attribute 0, bin 1, $P(\text{bin} \mid \text{class}) = 0.16$

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Class 1, attribute 1, bin 3, $P(\text{bin} \mid \text{class}) = 3.32$

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Class 5, attribute 6, bin 4, $P(\text{bin} \mid \text{class}) = 10.29$

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Class 5, attribute 7, bin 2, $P(\text{bin} \mid \text{class}) = 2.02$
Class 5, attribute 7, bin 3, $P(\text{bin} \mid \text{class}) = 1.34$
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Class 5, attribute 7, bin 5, $P(\text{bin} \mid \text{class}) = 0.67$
Class 5, attribute 7, bin 6, $P(\text{bin} \mid \text{class}) = 0.00$
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Class 6, attribute 1, bin 2, $P(\text{bin} \mid \text{class}) = 2.38$
Class 6, attribute 1, bin 3, $P(\text{bin} \mid \text{class}) = 2.98$
Class 6, attribute 1, bin 4, $P(\text{bin} \mid \text{class}) = 1.79$
Class 6, attribute 1, bin 5, $P(\text{bin} \mid \text{class}) = 0.60$
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Class 6, attribute 2, bin 2, $P(\text{bin} \mid \text{class}) = 5.04$
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Class 6, attribute 2, bin 5, $P(\text{bin} \mid \text{class}) = 3.36$
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Class 7, attribute 1, bin 3, $P(\text{bin} \mid \text{class}) = 3.64$
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Class 7, attribute 1, bin 6, $P(\text{bin} \mid \text{class}) = 0.00$
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Class 7, attribute 2, bin 3, $P(\text{bin} \mid \text{class}) = 0.46$
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Class 7, attribute 2, bin 5, $P(\text{bin} \mid \text{class}) = 0.02$
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Class 7, attribute 3, bin 2, $P(\text{bin} \mid \text{class}) = 3.22$
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Class 7, attribute 6, bin 6, $P(\text{bin} \mid \text{class}) = 0.00$
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Class 7, attribute 7, bin 1, $P(\text{bin} \mid \text{class}) = 0.03$
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Class 7, attribute 7, bin 5, $P(\text{bin} \mid \text{class}) = 0.06$
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Class 8, attribute 0, bin 3, $P(\text{bin} \mid \text{class}) = 0.79$
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Class 8, attribute 0, bin 5, $P(\text{bin} \mid \text{class}) = 1.58$
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Class 8, attribute 3, bin 3, $P(\text{bin} \mid \text{class}) = 6.06$
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Class 8, attribute 4, bin 5, $P(\text{bin} \mid \text{class}) = 0.00$

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Class 8, attribute 5, bin 3, $P(\text{bin} \mid \text{class}) = 0.00$

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Class 9, attribute 5, bin 4, $P(\text{bin} \mid \text{class}) = 0.00$

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Class 10, attribute 4, bin 6, $P(\text{bin} \mid \text{class}) = 0.00$
Class 10, attribute 5, bin 0, $P(\text{bin} \mid \text{class}) = 0.00$
Class 10, attribute 5, bin 1, $P(\text{bin} \mid \text{class}) = 10000.00$
Class 10, attribute 5, bin 2, $P(\text{bin} \mid \text{class}) = 0.00$
Class 10, attribute 5, bin 3, $P(\text{bin} \mid \text{class}) = 0.00$
Class 10, attribute 5, bin 4, $P(\text{bin} \mid \text{class}) = 0.00$
Class 10, attribute 5, bin 5, $P(\text{bin} \mid \text{class}) = 0.00$
Class 10, attribute 5, bin 6, $P(\text{bin} \mid \text{class}) = 0.00$
Class 10, attribute 6, bin 0, $P(\text{bin} \mid \text{class}) = 0.00$
Class 10, attribute 6, bin 1, $P(\text{bin} \mid \text{class}) = 20.00$
Class 10, attribute 6, bin 2, $P(\text{bin} \mid \text{class}) = 20.00$
Class 10, attribute 6, bin 3, $P(\text{bin} \mid \text{class}) = 20.00$

Class 10, attribute 6, bin 4, $P(\text{bin} \mid \text{class}) = 0.00$

Class 10, attribute 6, bin 5, $P(\text{bin} \mid \text{class}) = 20.00$

Class 10, attribute 6, bin 6, $P(\text{bin} \mid \text{class}) = 0.00$

Class 10, attribute 7, bin 0, $P(\text{bin} \mid \text{class}) = 0.00$

Class 10, attribute 7, bin 1, $P(\text{bin} \mid \text{class}) = 100.00$

Class 10, attribute 7, bin 2, $P(\text{bin} \mid \text{class}) = 0.00$

Class 10, attribute 7, bin 3, $P(\text{bin} \mid \text{class}) = 0.00$

Class 10, attribute 7, bin 4, $P(\text{bin} \mid \text{class}) = 0.00$

Class 10, attribute 7, bin 5, $P(\text{bin} \mid \text{class}) = 33.33$

Class 10, attribute 7, bin 6, $P(\text{bin} \mid \text{class}) = 0.00$

classification accuracy=0.2025

For Gaussian

run:

yeast_training.txt yeast_test.txt gaussians

Class 1, attribute 0, mean = 0.52, std = 0.10

Class 1, attribute 1, mean = 0.54, std = 0.10

Class 1, attribute 2, mean = 0.52, std = 0.07

Class 1, attribute 3, mean = 0.41, std = 0.17

Class 1, attribute 4, mean = 0.50, std = 0.01

Class 1, attribute 5, mean = 0.00, std = 0.01

Class 1, attribute 6, mean = 0.50, std = 0.05

Class 1, attribute 7, mean = 0.24, std = 0.05

Class 2, attribute 0, mean = 0.45, std = 0.11

Class 2, attribute 1, mean = 0.45, std = 0.10

Class 2, attribute 2, mean = 0.53, std = 0.06

Class 2, attribute 3, mean = 0.23, std = 0.11

Class 2, attribute 4, mean = 0.50, std = 0.04

Class 2, attribute 5, mean = 0.00, std = 0.01

Class 2, attribute 6, mean = 0.49, std = 0.06

Class 2, attribute 7, mean = 0.33, std = 0.14

Class 3, attribute 0, mean = 0.43, std = 0.10

Class 3, attribute 1, mean = 0.48, std = 0.11

Class 3, attribute 2, mean = 0.36, std = 0.06

Class 3, attribute 3, mean = 0.22, std = 0.08

Class 3, attribute 4, mean = 0.51, std = 0.05

Class 3, attribute 5, mean = 0.00, std = 0.01

Class 3, attribute 6, mean = 0.51, std = 0.04

Class 3, attribute 7, mean = 0.27, std = 0.09

Class 4, attribute 0, mean = 0.79, std = 0.07

Class 4, attribute 1, mean = 0.76, std = 0.07

Class 4, attribute 2, mean = 0.38, std = 0.06

Class 4, attribute 3, mean = 0.32, std = 0.11

Class 4, attribute 4, mean = 0.50, std = 0.01
Class 4, attribute 5, mean = 0.00, std = 0.01
Class 4, attribute 6, mean = 0.51, std = 0.07
Class 4, attribute 7, mean = 0.27, std = 0.09
Class 5, attribute 0, mean = 0.74, std = 0.15
Class 5, attribute 1, mean = 0.62, std = 0.12
Class 5, attribute 2, mean = 0.42, std = 0.08
Class 5, attribute 3, mean = 0.30, std = 0.12
Class 5, attribute 4, mean = 0.50, std = 0.01
Class 5, attribute 5, mean = 0.00, std = 0.01
Class 5, attribute 6, mean = 0.51, std = 0.06
Class 5, attribute 7, mean = 0.24, std = 0.04
Class 6, attribute 0, mean = 0.54, std = 0.14
Class 6, attribute 1, mean = 0.50, std = 0.12
Class 6, attribute 2, mean = 0.51, std = 0.05
Class 6, attribute 3, mean = 0.24, std = 0.10
Class 6, attribute 4, mean = 0.50, std = 0.01
Class 6, attribute 5, mean = 0.49, std = 0.38
Class 6, attribute 6, mean = 0.51, std = 0.03
Class 6, attribute 7, mean = 0.24, std = 0.05
Class 7, attribute 0, mean = 0.48, std = 0.11
Class 7, attribute 1, mean = 0.47, std = 0.09
Class 7, attribute 2, mean = 0.54, std = 0.06
Class 7, attribute 3, mean = 0.22, std = 0.12
Class 7, attribute 4, mean = 0.50, std = 0.04
Class 7, attribute 5, mean = 0.00, std = 0.03
Class 7, attribute 6, mean = 0.50, std = 0.06
Class 7, attribute 7, mean = 0.26, std = 0.09
Class 8, attribute 0, mean = 0.74, std = 0.10
Class 8, attribute 1, mean = 0.73, std = 0.11
Class 8, attribute 2, mean = 0.49, std = 0.05

Class 8, attribute 3, mean = 0.29, std = 0.07

Class 8, attribute 4, mean = 0.50, std = 0.01

Class 8, attribute 5, mean = 0.00, std = 0.01

Class 8, attribute 6, mean = 0.46, std = 0.08

Class 8, attribute 7, mean = 0.23, std = 0.02

Class 9, attribute 0, mean = 0.55, std = 0.14

Class 9, attribute 1, mean = 0.56, std = 0.15

Class 9, attribute 2, mean = 0.51, std = 0.06

Class 9, attribute 3, mean = 0.20, std = 0.06

Class 9, attribute 4, mean = 0.50, std = 0.01

Class 9, attribute 5, mean = 0.00, std = 0.01

Class 9, attribute 6, mean = 0.53, std = 0.05

Class 9, attribute 7, mean = 0.24, std = 0.04

Class 10, attribute 0, mean = 0.78, std = 0.05

Class 10, attribute 1, mean = 0.74, std = 0.11

Class 10, attribute 2, mean = 0.48, std = 0.09

Class 10, attribute 3, mean = 0.33, std = 0.06

Class 10, attribute 4, mean = 1.00, std = 0.01

Class 10, attribute 5, mean = 0.00, std = 0.01

Class 10, attribute 6, mean = 0.55, std = 0.02

Class 10, attribute 7, mean = 0.23, std = 0.01

classification accuracy=0.4504

BUILD SUCCESSFUL (total time: 2 seconds)

For Mixture Of Gaussian

run:

yeast_training.txt yeast_test.txt mixtures 3

Class 1, attribute 0, Gaussian 0, mean = 0.50, std = 0.06

Class 1, attribute 0, Gaussian 1, mean = 0.53, std = 0.10

Class 1, attribute 0, Gaussian 2, mean = 0.52, std = 0.12

Class 1, attribute 1, Gaussian 0, mean = 0.54, std = 0.08

Class 1, attribute 1, Gaussian 1, mean = 0.53, std = 0.09

Class 1, attribute 1, Gaussian 2, mean = 0.53, std = 0.18

Class 1, attribute 2, Gaussian 0, mean = 0.50, std = 0.10

Class 1, attribute 2, Gaussian 1, mean = 0.53, std = 0.06

Class 1, attribute 2, Gaussian 2, mean = 0.51, std = 0.05

Class 1, attribute 3, Gaussian 0, mean = 0.39, std = 0.17

Class 1, attribute 3, Gaussian 1, mean = 0.41, std = 0.17

Class 1, attribute 3, Gaussian 2, mean = 0.42, std = 0.17

Class 1, attribute 4, Gaussian 0, mean = 0.50, std = 0.01

Class 1, attribute 4, Gaussian 1, mean = 0.50, std = 0.01

Class 1, attribute 4, Gaussian 2, mean = 0.50, std = 0.01

Class 1, attribute 5, Gaussian 0, mean = 0.00, std = 0.01

Class 1, attribute 5, Gaussian 1, mean = 0.00, std = 0.01

Class 1, attribute 5, Gaussian 2, mean = 0.00, std = 0.01

Class 1, attribute 6, Gaussian 0, mean = 0.46, std = 0.09

Class 1, attribute 6, Gaussian 1, mean = 0.51, std = 0.03

Class 1, attribute 6, Gaussian 2, mean = 0.51, std = 0.03

Class 1, attribute 7, Gaussian 0, mean = 0.22, std = 0.01

Class 1, attribute 7, Gaussian 1, mean = 0.27, std = 0.01

Class 1, attribute 7, Gaussian 2, mean = 0.32, std = 0.10

Class 2, attribute 0, Gaussian 0, mean = 0.44, std = 0.10

Class 2, attribute 0, Gaussian 1, mean = 0.45, std = 0.10

Class 2, attribute 0, Gaussian 2, mean = 0.54, std = 0.17

Class 2, attribute 1, Gaussian 0, mean = 0.45, std = 0.10

Class 2, attribute 1, Gaussian 1, mean = 0.45, std = 0.10
Class 2, attribute 1, Gaussian 2, mean = 0.46, std = 0.11
Class 2, attribute 2, Gaussian 0, mean = 0.51, std = 0.07
Class 2, attribute 2, Gaussian 1, mean = 0.53, std = 0.05
Class 2, attribute 2, Gaussian 2, mean = 0.54, std = 0.05
Class 2, attribute 3, Gaussian 0, mean = 0.16, std = 0.04
Class 2, attribute 3, Gaussian 1, mean = 0.24, std = 0.07
Class 2, attribute 3, Gaussian 2, mean = 0.36, std = 0.16
Class 2, attribute 4, Gaussian 0, mean = 0.50, std = 0.01
Class 2, attribute 4, Gaussian 1, mean = 0.50, std = 0.01
Class 2, attribute 4, Gaussian 2, mean = 1.00, std = 0.01
Class 2, attribute 5, Gaussian 0, mean = 0.00, std = 0.01
Class 2, attribute 5, Gaussian 1, mean = 0.00, std = 0.01
Class 2, attribute 5, Gaussian 2, mean = 0.00, std = 0.01
Class 2, attribute 6, Gaussian 0, mean = 0.45, std = 0.11
Class 2, attribute 6, Gaussian 1, mean = 0.49, std = 0.04
Class 2, attribute 6, Gaussian 2, mean = 0.51, std = 0.02
Class 2, attribute 7, Gaussian 0, mean = 0.22, std = 0.01
Class 2, attribute 7, Gaussian 1, mean = 0.31, std = 0.06
Class 2, attribute 7, Gaussian 2, mean = 0.50, std = 0.16
Class 3, attribute 0, Gaussian 0, mean = 0.42, std = 0.10
Class 3, attribute 0, Gaussian 1, mean = 0.43, std = 0.10
Class 3, attribute 0, Gaussian 2, mean = 0.44, std = 0.10
Class 3, attribute 1, Gaussian 0, mean = 0.45, std = 0.12
Class 3, attribute 1, Gaussian 1, mean = 0.48, std = 0.10
Class 3, attribute 1, Gaussian 2, mean = 0.49, std = 0.10
Class 3, attribute 2, Gaussian 0, mean = 0.33, std = 0.07
Class 3, attribute 2, Gaussian 1, mean = 0.39, std = 0.05
Class 3, attribute 2, Gaussian 2, mean = 0.35, std = 0.03
Class 3, attribute 3, Gaussian 0, mean = 0.17, std = 0.04
Class 3, attribute 3, Gaussian 1, mean = 0.23, std = 0.05

Class 3, attribute 3, Gaussian 2, mean = 0.34, std = 0.10
Class 3, attribute 4, Gaussian 0, mean = 0.50, std = 0.01
Class 3, attribute 4, Gaussian 1, mean = 0.50, std = 0.01
Class 3, attribute 4, Gaussian 2, mean = 1.00, std = 0.01
Class 3, attribute 5, Gaussian 0, mean = 0.00, std = 0.01
Class 3, attribute 5, Gaussian 1, mean = 0.00, std = 0.01
Class 3, attribute 5, Gaussian 2, mean = 0.00, std = 0.01
Class 3, attribute 6, Gaussian 0, mean = 0.46, std = 0.04
Class 3, attribute 6, Gaussian 1, mean = 0.52, std = 0.02
Class 3, attribute 6, Gaussian 2, mean = 0.53, std = 0.02
Class 3, attribute 7, Gaussian 0, mean = 0.22, std = 0.01
Class 3, attribute 7, Gaussian 1, mean = 0.29, std = 0.03
Class 3, attribute 7, Gaussian 2, mean = 0.48, std = 0.15
Class 4, attribute 0, Gaussian 0, mean = 0.76, std = 0.05
Class 4, attribute 0, Gaussian 1, mean = 0.76, std = 0.05
Class 4, attribute 0, Gaussian 2, mean = 0.87, std = 0.07
Class 4, attribute 1, Gaussian 0, mean = 0.76, std = 0.07
Class 4, attribute 1, Gaussian 1, mean = 0.76, std = 0.07
Class 4, attribute 1, Gaussian 2, mean = 0.76, std = 0.07
Class 4, attribute 2, Gaussian 0, mean = 0.33, std = 0.03
Class 4, attribute 2, Gaussian 1, mean = 0.40, std = 0.05
Class 4, attribute 2, Gaussian 2, mean = 0.41, std = 0.05
Class 4, attribute 3, Gaussian 0, mean = 0.29, std = 0.06
Class 4, attribute 3, Gaussian 1, mean = 0.30, std = 0.06
Class 4, attribute 3, Gaussian 2, mean = 0.39, std = 0.19
Class 4, attribute 4, Gaussian 0, mean = 0.50, std = 0.01
Class 4, attribute 4, Gaussian 1, mean = 0.50, std = 0.01
Class 4, attribute 4, Gaussian 2, mean = 0.50, std = 0.01
Class 4, attribute 5, Gaussian 0, mean = 0.00, std = 0.01
Class 4, attribute 5, Gaussian 1, mean = 0.00, std = 0.01
Class 4, attribute 5, Gaussian 2, mean = 0.00, std = 0.01

Class 4, attribute 6, Gaussian 0, mean = 0.40, std = 0.09
Class 4, attribute 6, Gaussian 1, mean = 0.50, std = 0.05
Class 4, attribute 6, Gaussian 2, mean = 0.55, std = 0.01
Class 4, attribute 7, Gaussian 0, mean = 0.22, std = 0.01
Class 4, attribute 7, Gaussian 1, mean = 0.31, std = 0.02
Class 4, attribute 7, Gaussian 2, mean = 0.43, std = 0.11
Class 5, attribute 0, Gaussian 0, mean = 0.50, std = 0.14
Class 5, attribute 0, Gaussian 1, mean = 0.73, std = 0.09
Class 5, attribute 0, Gaussian 2, mean = 0.84, std = 0.08
Class 5, attribute 1, Gaussian 0, mean = 0.59, std = 0.13
Class 5, attribute 1, Gaussian 1, mean = 0.61, std = 0.13
Class 5, attribute 1, Gaussian 2, mean = 0.66, std = 0.10
Class 5, attribute 2, Gaussian 0, mean = 0.38, std = 0.05
Class 5, attribute 2, Gaussian 1, mean = 0.45, std = 0.08
Class 5, attribute 2, Gaussian 2, mean = 0.51, std = 0.07
Class 5, attribute 3, Gaussian 0, mean = 0.19, std = 0.04
Class 5, attribute 3, Gaussian 1, mean = 0.37, std = 0.10
Class 5, attribute 3, Gaussian 2, mean = 0.39, std = 0.09
Class 5, attribute 4, Gaussian 0, mean = 0.50, std = 0.01
Class 5, attribute 4, Gaussian 1, mean = 0.50, std = 0.01
Class 5, attribute 4, Gaussian 2, mean = 0.50, std = 0.01
Class 5, attribute 5, Gaussian 0, mean = 0.00, std = 0.01
Class 5, attribute 5, Gaussian 1, mean = 0.00, std = 0.01
Class 5, attribute 5, Gaussian 2, mean = 0.00, std = 0.01
Class 5, attribute 6, Gaussian 0, mean = 0.38, std = 0.05
Class 5, attribute 6, Gaussian 1, mean = 0.56, std = 0.03
Class 5, attribute 6, Gaussian 2, mean = 0.52, std = 0.02
Class 5, attribute 7, Gaussian 0, mean = 0.22, std = 0.01
Class 5, attribute 7, Gaussian 1, mean = 0.22, std = 0.01
Class 5, attribute 7, Gaussian 2, mean = 0.30, std = 0.05
Class 6, attribute 0, Gaussian 0, mean = 0.44, std = 0.04

Class 6, attribute 0, Gaussian 1, mean = 0.58, std = 0.09
Class 6, attribute 0, Gaussian 2, mean = 0.73, std = 0.06
Class 6, attribute 1, Gaussian 0, mean = 0.48, std = 0.07
Class 6, attribute 1, Gaussian 1, mean = 0.49, std = 0.13
Class 6, attribute 1, Gaussian 2, mean = 0.53, std = 0.13
Class 6, attribute 2, Gaussian 0, mean = 0.49, std = 0.04
Class 6, attribute 2, Gaussian 1, mean = 0.51, std = 0.05
Class 6, attribute 2, Gaussian 2, mean = 0.52, std = 0.05
Class 6, attribute 3, Gaussian 0, mean = 0.19, std = 0.01
Class 6, attribute 3, Gaussian 1, mean = 0.22, std = 0.07
Class 6, attribute 3, Gaussian 2, mean = 0.45, std = 0.01
Class 6, attribute 4, Gaussian 0, mean = 0.50, std = 0.01
Class 6, attribute 4, Gaussian 1, mean = 0.50, std = 0.01
Class 6, attribute 4, Gaussian 2, mean = 0.50, std = 0.01
Class 6, attribute 5, Gaussian 0, mean = 0.00, std = 0.01
Class 6, attribute 5, Gaussian 1, mean = 0.50, std = 0.01
Class 6, attribute 5, Gaussian 2, mean = 0.83, std = 0.01
Class 6, attribute 6, Gaussian 0, mean = 0.42, std = 0.01
Class 6, attribute 6, Gaussian 1, mean = 0.51, std = 0.02
Class 6, attribute 6, Gaussian 2, mean = 0.52, std = 0.02
Class 6, attribute 7, Gaussian 0, mean = 0.22, std = 0.01
Class 6, attribute 7, Gaussian 1, mean = 0.22, std = 0.01
Class 6, attribute 7, Gaussian 2, mean = 0.34, std = 0.07
Class 7, attribute 0, Gaussian 0, mean = 0.48, std = 0.11
Class 7, attribute 0, Gaussian 1, mean = 0.48, std = 0.11
Class 7, attribute 0, Gaussian 2, mean = 0.48, std = 0.11
Class 7, attribute 1, Gaussian 0, mean = 0.45, std = 0.07
Class 7, attribute 1, Gaussian 1, mean = 0.47, std = 0.09
Class 7, attribute 1, Gaussian 2, mean = 0.49, std = 0.11
Class 7, attribute 2, Gaussian 0, mean = 0.52, std = 0.04
Class 7, attribute 2, Gaussian 1, mean = 0.53, std = 0.05

Class 7, attribute 2, Gaussian 2, mean = 0.65, std = 0.12
Class 7, attribute 3, Gaussian 0, mean = 0.16, std = 0.04
Class 7, attribute 3, Gaussian 1, mean = 0.24, std = 0.06
Class 7, attribute 3, Gaussian 2, mean = 0.41, std = 0.19
Class 7, attribute 4, Gaussian 0, mean = 0.50, std = 0.01
Class 7, attribute 4, Gaussian 1, mean = 0.50, std = 0.01
Class 7, attribute 4, Gaussian 2, mean = 1.00, std = 0.01
Class 7, attribute 5, Gaussian 0, mean = 0.00, std = 0.01
Class 7, attribute 5, Gaussian 1, mean = 0.00, std = 0.01
Class 7, attribute 5, Gaussian 2, mean = 0.50, std = 0.01
Class 7, attribute 6, Gaussian 0, mean = 0.45, std = 0.12
Class 7, attribute 6, Gaussian 1, mean = 0.49, std = 0.05
Class 7, attribute 6, Gaussian 2, mean = 0.52, std = 0.03
Class 7, attribute 7, Gaussian 0, mean = 0.22, std = 0.01
Class 7, attribute 7, Gaussian 1, mean = 0.27, std = 0.03
Class 7, attribute 7, Gaussian 2, mean = 0.31, std = 0.16
Class 8, attribute 0, Gaussian 0, mean = 0.45, std = 0.04
Class 8, attribute 0, Gaussian 1, mean = 0.77, std = 0.05
Class 8, attribute 0, Gaussian 2, mean = 0.77, std = 0.05
Class 8, attribute 1, Gaussian 0, mean = 0.54, std = 0.14
Class 8, attribute 1, Gaussian 1, mean = 0.71, std = 0.08
Class 8, attribute 1, Gaussian 2, mean = 0.78, std = 0.05
Class 8, attribute 2, Gaussian 0, mean = 0.49, std = 0.05
Class 8, attribute 2, Gaussian 1, mean = 0.49, std = 0.05
Class 8, attribute 2, Gaussian 2, mean = 0.50, std = 0.05
Class 8, attribute 3, Gaussian 0, mean = 0.29, std = 0.07
Class 8, attribute 3, Gaussian 1, mean = 0.29, std = 0.07
Class 8, attribute 3, Gaussian 2, mean = 0.29, std = 0.07
Class 8, attribute 4, Gaussian 0, mean = 0.50, std = 0.01
Class 8, attribute 4, Gaussian 1, mean = 0.50, std = 0.01
Class 8, attribute 4, Gaussian 2, mean = 0.50, std = 0.01

Class 8, attribute 5, Gaussian 0, mean = 0.00, std = 0.01
Class 8, attribute 5, Gaussian 1, mean = 0.00, std = 0.01
Class 8, attribute 5, Gaussian 2, mean = 0.00, std = 0.01
Class 8, attribute 6, Gaussian 0, mean = 0.36, std = 0.04
Class 8, attribute 6, Gaussian 1, mean = 0.53, std = 0.03
Class 8, attribute 6, Gaussian 2, mean = 0.48, std = 0.01
Class 8, attribute 7, Gaussian 0, mean = 0.22, std = 0.01
Class 8, attribute 7, Gaussian 1, mean = 0.22, std = 0.01
Class 8, attribute 7, Gaussian 2, mean = 0.27, std = 0.01
Class 9, attribute 0, Gaussian 0, mean = 0.53, std = 0.13
Class 9, attribute 0, Gaussian 1, mean = 0.55, std = 0.14
Class 9, attribute 0, Gaussian 2, mean = 0.56, std = 0.14
Class 9, attribute 1, Gaussian 0, mean = 0.55, std = 0.15
Class 9, attribute 1, Gaussian 1, mean = 0.56, std = 0.15
Class 9, attribute 1, Gaussian 2, mean = 0.56, std = 0.15
Class 9, attribute 2, Gaussian 0, mean = 0.37, std = 0.02
Class 9, attribute 2, Gaussian 1, mean = 0.48, std = 0.02
Class 9, attribute 2, Gaussian 2, mean = 0.55, std = 0.02
Class 9, attribute 3, Gaussian 0, mean = 0.20, std = 0.06
Class 9, attribute 3, Gaussian 1, mean = 0.20, std = 0.06
Class 9, attribute 3, Gaussian 2, mean = 0.20, std = 0.06
Class 9, attribute 4, Gaussian 0, mean = 0.50, std = 0.01
Class 9, attribute 4, Gaussian 1, mean = 0.50, std = 0.01
Class 9, attribute 4, Gaussian 2, mean = 0.50, std = 0.01
Class 9, attribute 5, Gaussian 0, mean = 0.00, std = 0.01
Class 9, attribute 5, Gaussian 1, mean = 0.00, std = 0.01
Class 9, attribute 5, Gaussian 2, mean = 0.00, std = 0.01
Class 9, attribute 6, Gaussian 0, mean = 0.42, std = 0.05
Class 9, attribute 6, Gaussian 1, mean = 0.56, std = 0.04
Class 9, attribute 6, Gaussian 2, mean = 0.52, std = 0.03
Class 9, attribute 7, Gaussian 0, mean = 0.22, std = 0.01

Class 9, attribute 7, Gaussian 1, mean = 0.26, std = 0.01
Class 9, attribute 7, Gaussian 2, mean = 0.40, std = 0.01
Class 10, attribute 0, Gaussian 0, mean = 0.77, std = 0.05
Class 10, attribute 0, Gaussian 1, mean = 0.78, std = 0.05
Class 10, attribute 0, Gaussian 2, mean = 0.78, std = 0.05
Class 10, attribute 1, Gaussian 0, mean = 0.56, std = 0.01
Class 10, attribute 1, Gaussian 1, mean = 0.74, std = 0.01
Class 10, attribute 1, Gaussian 2, mean = 0.82, std = 0.02
Class 10, attribute 2, Gaussian 0, mean = 0.33, std = 0.01
Class 10, attribute 2, Gaussian 1, mean = 0.50, std = 0.01
Class 10, attribute 2, Gaussian 2, mean = 0.53, std = 0.04
Class 10, attribute 3, Gaussian 0, mean = 0.33, std = 0.06
Class 10, attribute 3, Gaussian 1, mean = 0.33, std = 0.06
Class 10, attribute 3, Gaussian 2, mean = 0.33, std = 0.06
Class 10, attribute 4, Gaussian 0, mean = 1.00, std = 0.01
Class 10, attribute 4, Gaussian 1, mean = 1.00, std = 0.01
Class 10, attribute 4, Gaussian 2, mean = 1.00, std = 0.01
Class 10, attribute 5, Gaussian 0, mean = 0.00, std = 0.01
Class 10, attribute 5, Gaussian 1, mean = 0.00, std = 0.01
Class 10, attribute 5, Gaussian 2, mean = 0.00, std = 0.01
Class 10, attribute 6, Gaussian 0, mean = 0.54, std = 0.01
Class 10, attribute 6, Gaussian 1, mean = 0.58, std = 0.01
Class 10, attribute 6, Gaussian 2, mean = 0.58, std = 0.01
Class 10, attribute 7, Gaussian 0, mean = 0.22, std = 0.01
Class 10, attribute 7, Gaussian 1, mean = 0.24, std = 0.01
Class 10, attribute 7, Gaussian 2, mean = 0.25, std = 0.01
BUILD SUCCESSFUL (total time: 7 seconds)