Name: Sidharth Mehra

Uta ID: 1001246532­

Assignment 3

Naïve Bayes Classification

**Training:**

**Histogram Training Output:**

Class 1, attribute 0, bin 0, P(bin | class) = 0.00

Class 1, attribute 0, bin 1, P(bin | class) = 0.16

Class 1, attribute 0, bin 2, P(bin | class) = 1.10

Class 1, attribute 0, bin 3, P(bin | class) = 4.24

Class 1, attribute 0, bin 4, P(bin | class) = 1.22

Class 1, attribute 0, bin 5, P(bin | class) = 0.16

Class 1, attribute 0, bin 6, P(bin | class) = 0.00

Class 1, attribute 1, bin 0, P(bin | class) = 0.00

Class 1, attribute 1, bin 1, P(bin | class) = 0.06

Class 1, attribute 1, bin 2, P(bin | class) = 1.27

Class 1, attribute 1, bin 3, P(bin | class) = 3.32

Class 1, attribute 1, bin 4, P(bin | class) = 0.20

Class 1, attribute 1, bin 5, P(bin | class) = 0.03

Class 1, attribute 1, bin 6, P(bin | class) = 0.00

Class 1, attribute 2, bin 0, P(bin | class) = 0.00

Class 1, attribute 2, bin 1, P(bin | class) = 0.33

Class 1, attribute 2, bin 2, P(bin | class) = 1.32

Class 1, attribute 2, bin 3, P(bin | class) = 5.06

Class 1, attribute 2, bin 4, P(bin | class) = 2.42

Class 1, attribute 2, bin 5, P(bin | class) = 0.17

Class 1, attribute 2, bin 6, P(bin | class) = 0.00

Class 1, attribute 3, bin 0, P(bin | class) = 0.00

Class 1, attribute 3, bin 1, P(bin | class) = 0.81

Class 1, attribute 3, bin 2, P(bin | class) = 1.46

Class 1, attribute 3, bin 3, P(bin | class) = 2.12

Class 1, attribute 3, bin 4, P(bin | class) = 0.81

Class 1, attribute 3, bin 5, P(bin | class) = 0.06

Class 1, attribute 3, bin 6, P(bin | class) = 0.00

Class 1, attribute 4, bin 0, P(bin | class) = 0.00

Class 1, attribute 4, bin 1, P(bin | class) = 10000.00

Class 1, attribute 4, bin 2, P(bin | class) = 0.00

Class 1, attribute 4, bin 3, P(bin | class) = 0.00

Class 1, attribute 4, bin 4, P(bin | class) = 0.00

Class 1, attribute 4, bin 5, P(bin | class) = 0.00

Class 1, attribute 4, bin 6, P(bin | class) = 0.00

Class 1, attribute 5, bin 0, P(bin | class) = 0.00

Class 1, attribute 5, bin 1, P(bin | class) = 10000.00

Class 1, attribute 5, bin 2, P(bin | class) = 0.00

Class 1, attribute 5, bin 3, P(bin | class) = 0.00

Class 1, attribute 5, bin 4, P(bin | class) = 0.00

Class 1, attribute 5, bin 5, P(bin | class) = 0.00

Class 1, attribute 5, bin 6, P(bin | class) = 0.00

Class 1, attribute 6, bin 0, P(bin | class) = 0.00

Class 1, attribute 6, bin 1, P(bin | class) = 0.06

Class 1, attribute 6, bin 2, P(bin | class) = 0.55

Class 1, attribute 6, bin 3, P(bin | class) = 5.72

Class 1, attribute 6, bin 4, P(bin | class) = 2.92

Class 1, attribute 6, bin 5, P(bin | class) = 0.06

Class 1, attribute 6, bin 6, P(bin | class) = 0.00

Class 1, attribute 7, bin 0, P(bin | class) = 0.00

Class 1, attribute 7, bin 1, P(bin | class) = 0.09

Class 1, attribute 7, bin 2, P(bin | class) = 6.83

Class 1, attribute 7, bin 3, P(bin | class) = 0.58

Class 1, attribute 7, bin 4, P(bin | class) = 0.00

Class 1, attribute 7, bin 5, P(bin | class) = 0.04

Class 1, attribute 7, bin 6, P(bin | class) = 0.00

Class 2, attribute 0, bin 0, P(bin | class) = 0.00

Class 2, attribute 0, bin 1, P(bin | class) = 0.19

Class 2, attribute 0, bin 2, P(bin | class) = 2.38

Class 2, attribute 0, bin 3, P(bin | class) = 2.66

Class 2, attribute 0, bin 4, P(bin | class) = 0.20

Class 2, attribute 0, bin 5, P(bin | class) = 0.06

Class 2, attribute 0, bin 6, P(bin | class) = 0.00

Class 2, attribute 1, bin 0, P(bin | class) = 0.00

Class 2, attribute 1, bin 1, P(bin | class) = 0.17

Class 2, attribute 1, bin 2, P(bin | class) = 1.97

Class 2, attribute 1, bin 3, P(bin | class) = 3.28

Class 2, attribute 1, bin 4, P(bin | class) = 0.98

Class 2, attribute 1, bin 5, P(bin | class) = 0.04

Class 2, attribute 1, bin 6, P(bin | class) = 0.00

Class 2, attribute 2, bin 0, P(bin | class) = 0.00

Class 2, attribute 2, bin 1, P(bin | class) = 0.08

Class 2, attribute 2, bin 2, P(bin | class) = 0.56

Class 2, attribute 2, bin 3, P(bin | class) = 5.82

Class 2, attribute 2, bin 4, P(bin | class) = 4.55

Class 2, attribute 2, bin 5, P(bin | class) = 0.76

Class 2, attribute 2, bin 6, P(bin | class) = 0.00

Class 2, attribute 3, bin 0, P(bin | class) = 0.00

Class 2, attribute 3, bin 1, P(bin | class) = 0.19

Class 2, attribute 3, bin 2, P(bin | class) = 3.74

Class 2, attribute 3, bin 3, P(bin | class) = 0.66

Class 2, attribute 3, bin 4, P(bin | class) = 0.03

Class 2, attribute 3, bin 5, P(bin | class) = 0.03

Class 2, attribute 3, bin 6, P(bin | class) = 0.00

Class 2, attribute 4, bin 0, P(bin | class) = 0.00

Class 2, attribute 4, bin 1, P(bin | class) = 7.95

Class 2, attribute 4, bin 2, P(bin | class) = 0.00

Class 2, attribute 4, bin 3, P(bin | class) = 0.00

Class 2, attribute 4, bin 4, P(bin | class) = 0.00

Class 2, attribute 4, bin 5, P(bin | class) = 0.05

Class 2, attribute 4, bin 6, P(bin | class) = 0.00

Class 2, attribute 5, bin 0, P(bin | class) = 0.00

Class 2, attribute 5, bin 1, P(bin | class) = 10000.00

Class 2, attribute 5, bin 2, P(bin | class) = 0.00

Class 2, attribute 5, bin 3, P(bin | class) = 0.00

Class 2, attribute 5, bin 4, P(bin | class) = 0.00

Class 2, attribute 5, bin 5, P(bin | class) = 0.00

Class 2, attribute 5, bin 6, P(bin | class) = 0.00

Class 2, attribute 6, bin 0, P(bin | class) = 0.00

Class 2, attribute 6, bin 1, P(bin | class) = 0.03

Class 2, attribute 6, bin 2, P(bin | class) = 0.13

Class 2, attribute 6, bin 3, P(bin | class) = 1.88

Class 2, attribute 6, bin 4, P(bin | class) = 5.32

Class 2, attribute 6, bin 5, P(bin | class) = 0.05

Class 2, attribute 6, bin 6, P(bin | class) = 0.00

Class 2, attribute 7, bin 0, P(bin | class) = 0.00

Class 2, attribute 7, bin 1, P(bin | class) = 2.02

Class 2, attribute 7, bin 2, P(bin | class) = 2.11

Class 2, attribute 7, bin 3, P(bin | class) = 0.50

Class 2, attribute 7, bin 4, P(bin | class) = 0.10

Class 2, attribute 7, bin 5, P(bin | class) = 0.03

Class 2, attribute 7, bin 6, P(bin | class) = 0.00

Class 3, attribute 0, bin 0, P(bin | class) = 0.00

Class 3, attribute 0, bin 1, P(bin | class) = 0.37

Class 3, attribute 0, bin 2, P(bin | class) = 2.22

Class 3, attribute 0, bin 3, P(bin | class) = 3.61

Class 3, attribute 0, bin 4, P(bin | class) = 2.13

Class 3, attribute 0, bin 5, P(bin | class) = 0.56

Class 3, attribute 0, bin 6, P(bin | class) = 0.00

Class 3, attribute 1, bin 0, P(bin | class) = 0.00

Class 3, attribute 1, bin 1, P(bin | class) = 0.07

Class 3, attribute 1, bin 2, P(bin | class) = 0.89

Class 3, attribute 1, bin 3, P(bin | class) = 3.35

Class 3, attribute 1, bin 4, P(bin | class) = 2.05

Class 3, attribute 1, bin 5, P(bin | class) = 0.20

Class 3, attribute 1, bin 6, P(bin | class) = 0.00

Class 3, attribute 2, bin 0, P(bin | class) = 0.00

Class 3, attribute 2, bin 1, P(bin | class) = 0.57

Class 3, attribute 2, bin 2, P(bin | class) = 2.01

Class 3, attribute 2, bin 3, P(bin | class) = 7.90

Class 3, attribute 2, bin 4, P(bin | class) = 2.87

Class 3, attribute 2, bin 5, P(bin | class) = 0.43

Class 3, attribute 2, bin 6, P(bin | class) = 0.00

Class 3, attribute 3, bin 0, P(bin | class) = 0.00

Class 3, attribute 3, bin 1, P(bin | class) = 1.42

Class 3, attribute 3, bin 2, P(bin | class) = 5.30

Class 3, attribute 3, bin 3, P(bin | class) = 1.99

Class 3, attribute 3, bin 4, P(bin | class) = 0.28

Class 3, attribute 3, bin 5, P(bin | class) = 0.09

Class 3, attribute 3, bin 6, P(bin | class) = 0.00

Class 3, attribute 4, bin 0, P(bin | class) = 0.00

Class 3, attribute 4, bin 1, P(bin | class) = 7.92

Class 3, attribute 4, bin 2, P(bin | class) = 0.00

Class 3, attribute 4, bin 3, P(bin | class) = 0.00

Class 3, attribute 4, bin 4, P(bin | class) = 0.00

Class 3, attribute 4, bin 5, P(bin | class) = 0.08

Class 3, attribute 4, bin 6, P(bin | class) = 0.00

Class 3, attribute 5, bin 0, P(bin | class) = 0.00

Class 3, attribute 5, bin 1, P(bin | class) = 10000.00

Class 3, attribute 5, bin 2, P(bin | class) = 0.00

Class 3, attribute 5, bin 3, P(bin | class) = 0.00

Class 3, attribute 5, bin 4, P(bin | class) = 0.00

Class 3, attribute 5, bin 5, P(bin | class) = 0.00

Class 3, attribute 5, bin 6, P(bin | class) = 0.00

Class 3, attribute 6, bin 0, P(bin | class) = 0.00

Class 3, attribute 6, bin 1, P(bin | class) = 0.69

Class 3, attribute 6, bin 2, P(bin | class) = 0.93

Class 3, attribute 6, bin 3, P(bin | class) = 5.56

Class 3, attribute 6, bin 4, P(bin | class) = 11.81

Class 3, attribute 6, bin 5, P(bin | class) = 3.24

Class 3, attribute 6, bin 6, P(bin | class) = 0.00

Class 3, attribute 7, bin 0, P(bin | class) = 0.00

Class 3, attribute 7, bin 1, P(bin | class) = 4.85

Class 3, attribute 7, bin 2, P(bin | class) = 1.30

Class 3, attribute 7, bin 3, P(bin | class) = 0.34

Class 3, attribute 7, bin 4, P(bin | class) = 0.00

Class 3, attribute 7, bin 5, P(bin | class) = 0.07

Class 3, attribute 7, bin 6, P(bin | class) = 0.00

Class 4, attribute 0, bin 0, P(bin | class) = 0.00

Class 4, attribute 0, bin 1, P(bin | class) = 1.89

Class 4, attribute 0, bin 2, P(bin | class) = 5.30

Class 4, attribute 0, bin 3, P(bin | class) = 3.41

Class 4, attribute 0, bin 4, P(bin | class) = 1.14

Class 4, attribute 0, bin 5, P(bin | class) = 0.38

Class 4, attribute 0, bin 6, P(bin | class) = 0.00

Class 4, attribute 1, bin 0, P(bin | class) = 0.00

Class 4, attribute 1, bin 1, P(bin | class) = 1.44

Class 4, attribute 1, bin 2, P(bin | class) = 2.88

Class 4, attribute 1, bin 3, P(bin | class) = 5.29

Class 4, attribute 1, bin 4, P(bin | class) = 3.85

Class 4, attribute 1, bin 5, P(bin | class) = 1.92

Class 4, attribute 1, bin 6, P(bin | class) = 0.00

Class 4, attribute 2, bin 0, P(bin | class) = 0.00

Class 4, attribute 2, bin 1, P(bin | class) = 2.00

Class 4, attribute 2, bin 2, P(bin | class) = 6.50

Class 4, attribute 2, bin 3, P(bin | class) = 3.00

Class 4, attribute 2, bin 4, P(bin | class) = 4.00

Class 4, attribute 2, bin 5, P(bin | class) = 0.50

Class 4, attribute 2, bin 6, P(bin | class) = 0.00

Class 4, attribute 3, bin 0, P(bin | class) = 0.00

Class 4, attribute 3, bin 1, P(bin | class) = 0.20

Class 4, attribute 3, bin 2, P(bin | class) = 3.83

Class 4, attribute 3, bin 3, P(bin | class) = 2.02

Class 4, attribute 3, bin 4, P(bin | class) = 0.20

Class 4, attribute 3, bin 5, P(bin | class) = 0.20

Class 4, attribute 3, bin 6, P(bin | class) = 0.00

Class 4, attribute 4, bin 0, P(bin | class) = 0.00

Class 4, attribute 4, bin 1, P(bin | class) = 10000.00

Class 4, attribute 4, bin 2, P(bin | class) = 0.00

Class 4, attribute 4, bin 3, P(bin | class) = 0.00

Class 4, attribute 4, bin 4, P(bin | class) = 0.00

Class 4, attribute 4, bin 5, P(bin | class) = 0.00

Class 4, attribute 4, bin 6, P(bin | class) = 0.00

Class 4, attribute 5, bin 0, P(bin | class) = 0.00

Class 4, attribute 5, bin 1, P(bin | class) = 10000.00

Class 4, attribute 5, bin 2, P(bin | class) = 0.00

Class 4, attribute 5, bin 3, P(bin | class) = 0.00

Class 4, attribute 5, bin 4, P(bin | class) = 0.00

Class 4, attribute 5, bin 5, P(bin | class) = 0.00

Class 4, attribute 5, bin 6, P(bin | class) = 0.00

Class 4, attribute 6, bin 0, P(bin | class) = 0.00

Class 4, attribute 6, bin 1, P(bin | class) = 0.39

Class 4, attribute 6, bin 2, P(bin | class) = 0.39

Class 4, attribute 6, bin 3, P(bin | class) = 1.56

Class 4, attribute 6, bin 4, P(bin | class) = 7.03

Class 4, attribute 6, bin 5, P(bin | class) = 3.13

Class 4, attribute 6, bin 6, P(bin | class) = 0.00

Class 4, attribute 7, bin 0, P(bin | class) = 0.00

Class 4, attribute 7, bin 1, P(bin | class) = 6.40

Class 4, attribute 7, bin 2, P(bin | class) = 2.13

Class 4, attribute 7, bin 3, P(bin | class) = 0.91

Class 4, attribute 7, bin 4, P(bin | class) = 0.00

Class 4, attribute 7, bin 5, P(bin | class) = 0.30

Class 4, attribute 7, bin 6, P(bin | class) = 0.00

Class 5, attribute 0, bin 0, P(bin | class) = 0.00

Class 5, attribute 0, bin 1, P(bin | class) = 0.36

Class 5, attribute 0, bin 2, P(bin | class) = 0.73

Class 5, attribute 0, bin 3, P(bin | class) = 1.45

Class 5, attribute 0, bin 4, P(bin | class) = 3.08

Class 5, attribute 0, bin 5, P(bin | class) = 0.73

Class 5, attribute 0, bin 6, P(bin | class) = 0.00

Class 5, attribute 1, bin 0, P(bin | class) = 0.00

Class 5, attribute 1, bin 1, P(bin | class) = 0.61

Class 5, attribute 1, bin 2, P(bin | class) = 1.22

Class 5, attribute 1, bin 3, P(bin | class) = 3.27

Class 5, attribute 1, bin 4, P(bin | class) = 1.84

Class 5, attribute 1, bin 5, P(bin | class) = 0.20

Class 5, attribute 1, bin 6, P(bin | class) = 0.00

Class 5, attribute 2, bin 0, P(bin | class) = 0.00

Class 5, attribute 2, bin 1, P(bin | class) = 0.69

Class 5, attribute 2, bin 2, P(bin | class) = 4.85

Class 5, attribute 2, bin 3, P(bin | class) = 3.81

Class 5, attribute 2, bin 4, P(bin | class) = 1.39

Class 5, attribute 2, bin 5, P(bin | class) = 1.39

Class 5, attribute 2, bin 6, P(bin | class) = 0.00

Class 5, attribute 3, bin 0, P(bin | class) = 0.00

Class 5, attribute 3, bin 1, P(bin | class) = 1.63

Class 5, attribute 3, bin 2, P(bin | class) = 3.54

Class 5, attribute 3, bin 3, P(bin | class) = 1.63

Class 5, attribute 3, bin 4, P(bin | class) = 1.63

Class 5, attribute 3, bin 5, P(bin | class) = 1.09

Class 5, attribute 3, bin 6, P(bin | class) = 0.00

Class 5, attribute 4, bin 0, P(bin | class) = 0.00

Class 5, attribute 4, bin 1, P(bin | class) = 10000.00

Class 5, attribute 4, bin 2, P(bin | class) = 0.00

Class 5, attribute 4, bin 3, P(bin | class) = 0.00

Class 5, attribute 4, bin 4, P(bin | class) = 0.00

Class 5, attribute 4, bin 5, P(bin | class) = 0.00

Class 5, attribute 4, bin 6, P(bin | class) = 0.00

Class 5, attribute 5, bin 0, P(bin | class) = 0.00

Class 5, attribute 5, bin 1, P(bin | class) = 10000.00

Class 5, attribute 5, bin 2, P(bin | class) = 0.00

Class 5, attribute 5, bin 3, P(bin | class) = 0.00

Class 5, attribute 5, bin 4, P(bin | class) = 0.00

Class 5, attribute 5, bin 5, P(bin | class) = 0.00

Class 5, attribute 5, bin 6, P(bin | class) = 0.00

Class 5, attribute 6, bin 0, P(bin | class) = 0.00

Class 5, attribute 6, bin 1, P(bin | class) = 0.38

Class 5, attribute 6, bin 2, P(bin | class) = 0.76

Class 5, attribute 6, bin 3, P(bin | class) = 1.14

Class 5, attribute 6, bin 4, P(bin | class) = 10.29

Class 5, attribute 6, bin 5, P(bin | class) = 0.76

Class 5, attribute 6, bin 6, P(bin | class) = 0.00

Class 5, attribute 7, bin 0, P(bin | class) = 0.00

Class 5, attribute 7, bin 1, P(bin | class) = 18.82

Class 5, attribute 7, bin 2, P(bin | class) = 2.02

Class 5, attribute 7, bin 3, P(bin | class) = 1.34

Class 5, attribute 7, bin 4, P(bin | class) = 0.67

Class 5, attribute 7, bin 5, P(bin | class) = 0.67

Class 5, attribute 7, bin 6, P(bin | class) = 0.00

Class 6, attribute 0, bin 0, P(bin | class) = 0.00

Class 6, attribute 0, bin 1, P(bin | class) = 1.90

Class 6, attribute 0, bin 2, P(bin | class) = 3.81

Class 6, attribute 0, bin 3, P(bin | class) = 0.63

Class 6, attribute 0, bin 4, P(bin | class) = 1.90

Class 6, attribute 0, bin 5, P(bin | class) = 0.63

Class 6, attribute 0, bin 6, P(bin | class) = 0.00

Class 6, attribute 1, bin 0, P(bin | class) = 0.00

Class 6, attribute 1, bin 1, P(bin | class) = 0.60

Class 6, attribute 1, bin 2, P(bin | class) = 2.38

Class 6, attribute 1, bin 3, P(bin | class) = 2.98

Class 6, attribute 1, bin 4, P(bin | class) = 1.79

Class 6, attribute 1, bin 5, P(bin | class) = 0.60

Class 6, attribute 1, bin 6, P(bin | class) = 0.00

Class 6, attribute 2, bin 0, P(bin | class) = 0.00

Class 6, attribute 2, bin 1, P(bin | class) = 5.04

Class 6, attribute 2, bin 2, P(bin | class) = 5.04

Class 6, attribute 2, bin 3, P(bin | class) = 6.72

Class 6, attribute 2, bin 4, P(bin | class) = 3.36

Class 6, attribute 2, bin 5, P(bin | class) = 3.36

Class 6, attribute 2, bin 6, P(bin | class) = 0.00

Class 6, attribute 3, bin 0, P(bin | class) = 0.00

Class 6, attribute 3, bin 1, P(bin | class) = 1.73

Class 6, attribute 3, bin 2, P(bin | class) = 6.93

Class 6, attribute 3, bin 3, P(bin | class) = 1.73

Class 6, attribute 3, bin 4, P(bin | class) = 0.00

Class 6, attribute 3, bin 5, P(bin | class) = 1.73

Class 6, attribute 3, bin 6, P(bin | class) = 0.00

Class 6, attribute 4, bin 0, P(bin | class) = 0.00

Class 6, attribute 4, bin 1, P(bin | class) = 10000.00

Class 6, attribute 4, bin 2, P(bin | class) = 0.00

Class 6, attribute 4, bin 3, P(bin | class) = 0.00

Class 6, attribute 4, bin 4, P(bin | class) = 0.00

Class 6, attribute 4, bin 5, P(bin | class) = 0.00

Class 6, attribute 4, bin 6, P(bin | class) = 0.00

Class 6, attribute 5, bin 0, P(bin | class) = 0.00

Class 6, attribute 5, bin 1, P(bin | class) = 1.72

Class 6, attribute 5, bin 2, P(bin | class) = 0.00

Class 6, attribute 5, bin 3, P(bin | class) = 0.69

Class 6, attribute 5, bin 4, P(bin | class) = 0.00

Class 6, attribute 5, bin 5, P(bin | class) = 2.41

Class 6, attribute 5, bin 6, P(bin | class) = 0.00

Class 6, attribute 6, bin 0, P(bin | class) = 0.00

Class 6, attribute 6, bin 1, P(bin | class) = 2.20

Class 6, attribute 6, bin 2, P(bin | class) = 0.00

Class 6, attribute 6, bin 3, P(bin | class) = 10.99

Class 6, attribute 6, bin 4, P(bin | class) = 8.79

Class 6, attribute 6, bin 5, P(bin | class) = 8.79

Class 6, attribute 6, bin 6, P(bin | class) = 0.00

Class 6, attribute 7, bin 0, P(bin | class) = 0.00

Class 6, attribute 7, bin 1, P(bin | class) = 18.05

Class 6, attribute 7, bin 2, P(bin | class) = 1.50

Class 6, attribute 7, bin 3, P(bin | class) = 0.00

Class 6, attribute 7, bin 4, P(bin | class) = 0.00

Class 6, attribute 7, bin 5, P(bin | class) = 1.50

Class 6, attribute 7, bin 6, P(bin | class) = 0.00

Class 7, attribute 0, bin 0, P(bin | class) = 0.00

Class 7, attribute 0, bin 1, P(bin | class) = 0.15

Class 7, attribute 0, bin 2, P(bin | class) = 1.70

Class 7, attribute 0, bin 3, P(bin | class) = 3.22

Class 7, attribute 0, bin 4, P(bin | class) = 1.49

Class 7, attribute 0, bin 5, P(bin | class) = 0.11

Class 7, attribute 0, bin 6, P(bin | class) = 0.00

Class 7, attribute 1, bin 0, P(bin | class) = 0.00

Class 7, attribute 1, bin 1, P(bin | class) = 0.12

Class 7, attribute 1, bin 2, P(bin | class) = 2.23

Class 7, attribute 1, bin 3, P(bin | class) = 3.64

Class 7, attribute 1, bin 4, P(bin | class) = 0.54

Class 7, attribute 1, bin 5, P(bin | class) = 0.02

Class 7, attribute 1, bin 6, P(bin | class) = 0.00

Class 7, attribute 2, bin 0, P(bin | class) = 0.00

Class 7, attribute 2, bin 1, P(bin | class) = 0.60

Class 7, attribute 2, bin 2, P(bin | class) = 5.46

Class 7, attribute 2, bin 3, P(bin | class) = 0.46

Class 7, attribute 2, bin 4, P(bin | class) = 0.02

Class 7, attribute 2, bin 5, P(bin | class) = 0.02

Class 7, attribute 2, bin 6, P(bin | class) = 0.00

Class 7, attribute 3, bin 0, P(bin | class) = 0.00

Class 7, attribute 3, bin 1, P(bin | class) = 0.43

Class 7, attribute 3, bin 2, P(bin | class) = 3.22

Class 7, attribute 3, bin 3, P(bin | class) = 0.28

Class 7, attribute 3, bin 4, P(bin | class) = 0.06

Class 7, attribute 3, bin 5, P(bin | class) = 0.01

Class 7, attribute 3, bin 6, P(bin | class) = 0.00

Class 7, attribute 4, bin 0, P(bin | class) = 0.00

Class 7, attribute 4, bin 1, P(bin | class) = 7.95

Class 7, attribute 4, bin 2, P(bin | class) = 0.00

Class 7, attribute 4, bin 3, P(bin | class) = 0.00

Class 7, attribute 4, bin 4, P(bin | class) = 0.00

Class 7, attribute 4, bin 5, P(bin | class) = 0.05

Class 7, attribute 4, bin 6, P(bin | class) = 0.00

Class 7, attribute 5, bin 0, P(bin | class) = 0.00

Class 7, attribute 5, bin 1, P(bin | class) = 7.97

Class 7, attribute 5, bin 2, P(bin | class) = 0.00

Class 7, attribute 5, bin 3, P(bin | class) = 0.00

Class 7, attribute 5, bin 4, P(bin | class) = 0.00

Class 7, attribute 5, bin 5, P(bin | class) = 0.03

Class 7, attribute 5, bin 6, P(bin | class) = 0.00

Class 7, attribute 6, bin 0, P(bin | class) = 0.00

Class 7, attribute 6, bin 1, P(bin | class) = 0.02

Class 7, attribute 6, bin 2, P(bin | class) = 0.21

Class 7, attribute 6, bin 3, P(bin | class) = 2.99

Class 7, attribute 6, bin 4, P(bin | class) = 3.39

Class 7, attribute 6, bin 5, P(bin | class) = 0.06

Class 7, attribute 6, bin 6, P(bin | class) = 0.00

Class 7, attribute 7, bin 0, P(bin | class) = 0.00

Class 7, attribute 7, bin 1, P(bin | class) = 0.03

Class 7, attribute 7, bin 2, P(bin | class) = 4.06

Class 7, attribute 7, bin 3, P(bin | class) = 0.86

Class 7, attribute 7, bin 4, P(bin | class) = 0.05

Class 7, attribute 7, bin 5, P(bin | class) = 0.06

Class 7, attribute 7, bin 6, P(bin | class) = 0.00

Class 8, attribute 0, bin 0, P(bin | class) = 0.00

Class 8, attribute 0, bin 1, P(bin | class) = 0.40

Class 8, attribute 0, bin 2, P(bin | class) = 0.40

Class 8, attribute 0, bin 3, P(bin | class) = 0.79

Class 8, attribute 0, bin 4, P(bin | class) = 5.53

Class 8, attribute 0, bin 5, P(bin | class) = 1.58

Class 8, attribute 0, bin 6, P(bin | class) = 0.00

Class 8, attribute 1, bin 0, P(bin | class) = 0.00

Class 8, attribute 1, bin 1, P(bin | class) = 0.38

Class 8, attribute 1, bin 2, P(bin | class) = 0.00

Class 8, attribute 1, bin 3, P(bin | class) = 1.52

Class 8, attribute 1, bin 4, P(bin | class) = 4.17

Class 8, attribute 1, bin 5, P(bin | class) = 2.27

Class 8, attribute 1, bin 6, P(bin | class) = 0.00

Class 8, attribute 2, bin 0, P(bin | class) = 0.00

Class 8, attribute 2, bin 1, P(bin | class) = 0.91

Class 8, attribute 2, bin 2, P(bin | class) = 2.73

Class 8, attribute 2, bin 3, P(bin | class) = 8.18

Class 8, attribute 2, bin 4, P(bin | class) = 5.45

Class 8, attribute 2, bin 5, P(bin | class) = 2.73

Class 8, attribute 2, bin 6, P(bin | class) = 0.00

Class 8, attribute 3, bin 0, P(bin | class) = 0.00

Class 8, attribute 3, bin 1, P(bin | class) = 0.76

Class 8, attribute 3, bin 2, P(bin | class) = 3.79

Class 8, attribute 3, bin 3, P(bin | class) = 6.06

Class 8, attribute 3, bin 4, P(bin | class) = 3.03

Class 8, attribute 3, bin 5, P(bin | class) = 3.03

Class 8, attribute 3, bin 6, P(bin | class) = 0.00

Class 8, attribute 4, bin 0, P(bin | class) = 0.00

Class 8, attribute 4, bin 1, P(bin | class) = 10000.00

Class 8, attribute 4, bin 2, P(bin | class) = 0.00

Class 8, attribute 4, bin 3, P(bin | class) = 0.00

Class 8, attribute 4, bin 4, P(bin | class) = 0.00

Class 8, attribute 4, bin 5, P(bin | class) = 0.00

Class 8, attribute 4, bin 6, P(bin | class) = 0.00

Class 8, attribute 5, bin 0, P(bin | class) = 0.00

Class 8, attribute 5, bin 1, P(bin | class) = 10000.00

Class 8, attribute 5, bin 2, P(bin | class) = 0.00

Class 8, attribute 5, bin 3, P(bin | class) = 0.00

Class 8, attribute 5, bin 4, P(bin | class) = 0.00

Class 8, attribute 5, bin 5, P(bin | class) = 0.00

Class 8, attribute 5, bin 6, P(bin | class) = 0.00

Class 8, attribute 6, bin 0, P(bin | class) = 0.00

Class 8, attribute 6, bin 1, P(bin | class) = 0.57

Class 8, attribute 6, bin 2, P(bin | class) = 1.70

Class 8, attribute 6, bin 3, P(bin | class) = 2.27

Class 8, attribute 6, bin 4, P(bin | class) = 6.82

Class 8, attribute 6, bin 5, P(bin | class) = 1.14

Class 8, attribute 6, bin 6, P(bin | class) = 0.00

Class 8, attribute 7, bin 0, P(bin | class) = 0.00

Class 8, attribute 7, bin 1, P(bin | class) = 69.09

Class 8, attribute 7, bin 2, P(bin | class) = 0.00

Class 8, attribute 7, bin 3, P(bin | class) = 0.00

Class 8, attribute 7, bin 4, P(bin | class) = 3.64

Class 8, attribute 7, bin 5, P(bin | class) = 7.27

Class 8, attribute 7, bin 6, P(bin | class) = 0.00

Class 9, attribute 0, bin 0, P(bin | class) = 0.00

Class 9, attribute 0, bin 1, P(bin | class) = 1.70

Class 9, attribute 0, bin 2, P(bin | class) = 3.41

Class 9, attribute 0, bin 3, P(bin | class) = 0.00

Class 9, attribute 0, bin 4, P(bin | class) = 3.41

Class 9, attribute 0, bin 5, P(bin | class) = 0.57

Class 9, attribute 0, bin 6, P(bin | class) = 0.00

Class 9, attribute 1, bin 0, P(bin | class) = 0.00

Class 9, attribute 1, bin 1, P(bin | class) = 2.00

Class 9, attribute 1, bin 2, P(bin | class) = 1.50

Class 9, attribute 1, bin 3, P(bin | class) = 1.50

Class 9, attribute 1, bin 4, P(bin | class) = 2.00

Class 9, attribute 1, bin 5, P(bin | class) = 1.00

Class 9, attribute 1, bin 6, P(bin | class) = 0.00

Class 9, attribute 2, bin 0, P(bin | class) = 0.00

Class 9, attribute 2, bin 1, P(bin | class) = 1.09

Class 9, attribute 2, bin 2, P(bin | class) = 1.09

Class 9, attribute 2, bin 3, P(bin | class) = 4.35

Class 9, attribute 2, bin 4, P(bin | class) = 6.52

Class 9, attribute 2, bin 5, P(bin | class) = 4.35

Class 9, attribute 2, bin 6, P(bin | class) = 0.00

Class 9, attribute 3, bin 0, P(bin | class) = 0.00

Class 9, attribute 3, bin 1, P(bin | class) = 1.14

Class 9, attribute 3, bin 2, P(bin | class) = 6.82

Class 9, attribute 3, bin 3, P(bin | class) = 3.41

Class 9, attribute 3, bin 4, P(bin | class) = 3.41

Class 9, attribute 3, bin 5, P(bin | class) = 3.41

Class 9, attribute 3, bin 6, P(bin | class) = 0.00

Class 9, attribute 4, bin 0, P(bin | class) = 0.00

Class 9, attribute 4, bin 1, P(bin | class) = 10000.00

Class 9, attribute 4, bin 2, P(bin | class) = 0.00

Class 9, attribute 4, bin 3, P(bin | class) = 0.00

Class 9, attribute 4, bin 4, P(bin | class) = 0.00

Class 9, attribute 4, bin 5, P(bin | class) = 0.00

Class 9, attribute 4, bin 6, P(bin | class) = 0.00

Class 9, attribute 5, bin 0, P(bin | class) = 0.00

Class 9, attribute 5, bin 1, P(bin | class) = 10000.00

Class 9, attribute 5, bin 2, P(bin | class) = 0.00

Class 9, attribute 5, bin 3, P(bin | class) = 0.00

Class 9, attribute 5, bin 4, P(bin | class) = 0.00

Class 9, attribute 5, bin 5, P(bin | class) = 0.00

Class 9, attribute 5, bin 6, P(bin | class) = 0.00

Class 9, attribute 6, bin 0, P(bin | class) = 0.00

Class 9, attribute 6, bin 1, P(bin | class) = 1.09

Class 9, attribute 6, bin 2, P(bin | class) = 0.00

Class 9, attribute 6, bin 3, P(bin | class) = 7.61

Class 9, attribute 6, bin 4, P(bin | class) = 6.52

Class 9, attribute 6, bin 5, P(bin | class) = 2.17

Class 9, attribute 6, bin 6, P(bin | class) = 0.00

Class 9, attribute 7, bin 0, P(bin | class) = 0.00

Class 9, attribute 7, bin 1, P(bin | class) = 15.28

Class 9, attribute 7, bin 2, P(bin | class) = 5.56

Class 9, attribute 7, bin 3, P(bin | class) = 0.00

Class 9, attribute 7, bin 4, P(bin | class) = 0.00

Class 9, attribute 7, bin 5, P(bin | class) = 1.39

Class 9, attribute 7, bin 6, P(bin | class) = 0.00

Class 10, attribute 0, bin 0, P(bin | class) = 0.00

Class 10, attribute 0, bin 1, P(bin | class) = 6.67

Class 10, attribute 0, bin 2, P(bin | class) = 0.00

Class 10, attribute 0, bin 3, P(bin | class) = 13.33

Class 10, attribute 0, bin 4, P(bin | class) = 0.00

Class 10, attribute 0, bin 5, P(bin | class) = 6.67

Class 10, attribute 0, bin 6, P(bin | class) = 0.00

Class 10, attribute 1, bin 0, P(bin | class) = 0.00

Class 10, attribute 1, bin 1, P(bin | class) = 3.57

Class 10, attribute 1, bin 2, P(bin | class) = 0.00

Class 10, attribute 1, bin 3, P(bin | class) = 0.00

Class 10, attribute 1, bin 4, P(bin | class) = 7.14

Class 10, attribute 1, bin 5, P(bin | class) = 3.57

Class 10, attribute 1, bin 6, P(bin | class) = 0.00

Class 10, attribute 2, bin 0, P(bin | class) = 0.00

Class 10, attribute 2, bin 1, P(bin | class) = 4.00

Class 10, attribute 2, bin 2, P(bin | class) = 0.00

Class 10, attribute 2, bin 3, P(bin | class) = 0.00

Class 10, attribute 2, bin 4, P(bin | class) = 8.00

Class 10, attribute 2, bin 5, P(bin | class) = 4.00

Class 10, attribute 2, bin 6, P(bin | class) = 0.00

Class 10, attribute 3, bin 0, P(bin | class) = 0.00

Class 10, attribute 3, bin 1, P(bin | class) = 6.67

Class 10, attribute 3, bin 2, P(bin | class) = 6.67

Class 10, attribute 3, bin 3, P(bin | class) = 0.00

Class 10, attribute 3, bin 4, P(bin | class) = 6.67

Class 10, attribute 3, bin 5, P(bin | class) = 6.67

Class 10, attribute 3, bin 6, P(bin | class) = 0.00

Class 10, attribute 4, bin 0, P(bin | class) = 0.00

Class 10, attribute 4, bin 1, P(bin | class) = 10000.00

Class 10, attribute 4, bin 2, P(bin | class) = 0.00

Class 10, attribute 4, bin 3, P(bin | class) = 0.00

Class 10, attribute 4, bin 4, P(bin | class) = 0.00

Class 10, attribute 4, bin 5, P(bin | class) = 0.00

Class 10, attribute 4, bin 6, P(bin | class) = 0.00

Class 10, attribute 5, bin 0, P(bin | class) = 0.00

Class 10, attribute 5, bin 1, P(bin | class) = 10000.00

Class 10, attribute 5, bin 2, P(bin | class) = 0.00

Class 10, attribute 5, bin 3, P(bin | class) = 0.00

Class 10, attribute 5, bin 4, P(bin | class) = 0.00

Class 10, attribute 5, bin 5, P(bin | class) = 0.00

Class 10, attribute 5, bin 6, P(bin | class) = 0.00

Class 10, attribute 6, bin 0, P(bin | class) = 0.00

Class 10, attribute 6, bin 1, P(bin | class) = 20.00

Class 10, attribute 6, bin 2, P(bin | class) = 20.00

Class 10, attribute 6, bin 3, P(bin | class) = 20.00

Class 10, attribute 6, bin 4, P(bin | class) = 0.00

Class 10, attribute 6, bin 5, P(bin | class) = 20.00

Class 10, attribute 6, bin 6, P(bin | class) = 0.00

Class 10, attribute 7, bin 0, P(bin | class) = 0.00

Class 10, attribute 7, bin 1, P(bin | class) = 100.00

Class 10, attribute 7, bin 2, P(bin | class) = 0.00

Class 10, attribute 7, bin 3, P(bin | class) = 0.00

Class 10, attribute 7, bin 4, P(bin | class) = 0.00

Class 10, attribute 7, bin 5, P(bin | class) = 33.33

Class 10, attribute 7, bin 6, P(bin | class) = 0.00

**Gaussian Training Output:**

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 = 0.16

Class 5, attribute 1, mean = 0.62, std = 0.13

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 = 0.39

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 = 0.11

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 = 0.16

Class 9, attribute 2, mean = 0.51, std = 0.07

Class 9, attribute 3, mean = 0.20, std = 0.07

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 = 0.05

Class 10, attribute 0, mean = 0.78, std = 0.06

Class 10, attribute 1, mean = 0.73, std = 0.12

Class 10, attribute 2, mean = 0.48, std = 0.11

Class 10, attribute 3, mean = 0.33, std = 0.07

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

**Mixtures of Gaussian Training Output:**

Class 1, attribute 0, Gaussian 0, mean = 0.52, std = 0.13

Class 1, attribute 0, Gaussian 1, mean = 0.54, std = 0.15

Class 1, attribute 0, Gaussian 2, mean = 0.56, std = 0.15

Class 1, attribute 1, Gaussian 0, mean = 0.43, std = 0.13

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

Class 1, attribute 1, Gaussian 2, mean = 0.55, std = 0.08

Class 1, attribute 2, Gaussian 0, mean = 0.49, std = 0.11

Class 1, attribute 2, Gaussian 1, mean = 0.49, std = 0.11

Class 1, attribute 2, Gaussian 2, mean = 0.49, std = 0.11

Class 1, attribute 3, Gaussian 0, mean = 0.40, 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 = 0.49, std = 0.03

Class 1, attribute 6, Gaussian 1, mean = 0.50, std = 0.04

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 = 0.22, std = 0.01

Class 1, attribute 7, Gaussian 2, mean = 0.22, std = 0.01

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

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

Class 2, attribute 0, Gaussian 2, mean = 0.46, std = 0.10

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 = 0.10

Class 2, attribute 2, Gaussian 0, mean = 0.47, std = 0.09

Class 2, attribute 2, Gaussian 1, mean = 0.51, std = 0.07

Class 2, attribute 2, Gaussian 2, mean = 0.52, std = 0.06

Class 2, attribute 3, Gaussian 0, mean = 0.13, std = 0.03

Class 2, attribute 3, Gaussian 1, mean = 0.18, std = 0.08

Class 2, attribute 3, Gaussian 2, mean = 0.26, std = 0.05

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 = 0.50, 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 = 0.48, std = 0.03

Class 2, attribute 6, Gaussian 1, mean = 0.50, std = 0.03

Class 2, attribute 6, Gaussian 2, mean = 0.52, std = 0.01

Class 2, attribute 7, Gaussian 0, mean = 0.22, std = 0.01

Class 2, attribute 7, Gaussian 1, mean = 0.22, std = 0.01

Class 2, attribute 7, Gaussian 2, mean = 0.28, std = 0.03

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 = 0.47, std = 0.11

Class 3, attribute 1, Gaussian 1, mean = 0.47, std = 0.11

Class 3, attribute 1, Gaussian 2, mean = 0.48, std = 0.11

Class 3, attribute 2, Gaussian 0, mean = 0.33, std = 0.08

Class 3, attribute 2, Gaussian 1, mean = 0.34, std = 0.08

Class 3, attribute 2, Gaussian 2, mean = 0.35, std = 0.08

Class 3, attribute 3, Gaussian 0, mean = 0.16, std = 0.03

Class 3, attribute 3, Gaussian 1, mean = 0.23, std = 0.03

Class 3, attribute 3, Gaussian 2, mean = 0.27, std = 0.05

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 = 0.50, 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 = 0.51, std = 0.02

Class 3, attribute 6, Gaussian 1, mean = 0.52, std = 0.02

Class 3, attribute 6, Gaussian 2, mean = 0.52, std = 0.02

Class 3, attribute 7, Gaussian 0, mean = 0.22, std = 0.01

Class 3, attribute 7, Gaussian 1, mean = 0.22, std = 0.01

Class 3, attribute 7, Gaussian 2, mean = 0.22, std = 0.01

Class 4, attribute 0, Gaussian 0, mean = 0.77, std = 0.01

Class 4, attribute 0, Gaussian 1, mean = 0.69, std = 0.01

Class 4, attribute 0, Gaussian 2, mean = 0.69, std = 0.01

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 = 0.34, std = 0.02

Class 4, attribute 2, Gaussian 1, mean = 0.41, std = 0.06

Class 4, attribute 2, Gaussian 2, mean = 0.44, std = 0.04

Class 4, attribute 3, Gaussian 0, mean = 0.29, std = 0.06

Class 4, attribute 3, Gaussian 1, mean = 0.31, std = 0.06

Class 4, attribute 3, Gaussian 2, mean = 0.32, std = 0.06

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 = 0.55, std = 0.04

Class 4, attribute 6, Gaussian 1, mean = 0.49, std = 0.01

Class 4, attribute 6, Gaussian 2, mean = 0.49, std = 0.01

Class 4, attribute 7, Gaussian 0, mean = 0.22, std = 0.01

Class 4, attribute 7, Gaussian 1, mean = 0.22, std = 0.01

Class 4, attribute 7, Gaussian 2, mean = 0.22, std = 0.01

Class 5, attribute 0, Gaussian 0, mean = 0.68, std = 0.02

Class 5, attribute 0, Gaussian 1, mean = 0.68, std = 0.07

Class 5, attribute 0, Gaussian 2, mean = 0.87, std = 0.06

Class 5, attribute 1, Gaussian 0, mean = 0.51, std = 0.11

Class 5, attribute 1, Gaussian 1, mean = 0.60, std = 0.13

Class 5, attribute 1, Gaussian 2, mean = 0.68, std = 0.07

Class 5, attribute 2, Gaussian 0, mean = 0.39, std = 0.04

Class 5, attribute 2, Gaussian 1, mean = 0.37, std = 0.05

Class 5, attribute 2, Gaussian 2, mean = 0.56, std = 0.03

Class 5, attribute 3, Gaussian 0, mean = 0.17, std = 0.03

Class 5, attribute 3, Gaussian 1, mean = 0.46, std = 0.04

Class 5, attribute 3, Gaussian 2, mean = 0.50, std = 0.03

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 = 0.52, std = 0.02

Class 5, attribute 6, Gaussian 1, mean = 0.53, std = 0.02

Class 5, attribute 6, Gaussian 2, mean = 0.54, std = 0.04

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 = 0.22, std = 0.01

Class 6, attribute 0, Gaussian 0, mean = 0.39, std = 0.02

Class 6, attribute 0, Gaussian 1, mean = 0.68, std = 0.01

Class 6, attribute 0, Gaussian 2, mean = 0.74, std = 0.01

Class 6, attribute 1, Gaussian 0, mean = 0.49, std = 0.06

Class 6, attribute 1, Gaussian 1, mean = 0.50, std = 0.14

Class 6, attribute 1, Gaussian 2, mean = 0.62, std = 0.11

Class 6, attribute 2, Gaussian 0, mean = 0.49, std = 0.05

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 = 0.13, std = 0.01

Class 6, attribute 3, Gaussian 1, mean = 0.19, std = 0.01

Class 6, attribute 3, Gaussian 2, mean = 0.21, 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 = 0.00, 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 = 0.42, std = 0.01

Class 6, attribute 6, Gaussian 2, mean = 0.54, std = 0.01

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 = 0.22, std = 0.01

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 = 0.47, std = 0.09

Class 7, attribute 1, Gaussian 1, mean = 0.47, std = 0.09

Class 7, attribute 1, Gaussian 2, mean = 0.48, std = 0.10

Class 7, attribute 2, Gaussian 0, mean = 0.52, std = 0.05

Class 7, attribute 2, Gaussian 1, mean = 0.54, std = 0.05

Class 7, attribute 2, Gaussian 2, mean = 0.56, std = 0.05

Class 7, attribute 3, Gaussian 0, mean = 0.16, std = 0.03

Class 7, attribute 3, Gaussian 1, mean = 0.23, std = 0.05

Class 7, attribute 3, Gaussian 2, mean = 0.24, std = 0.05

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 = 0.50, 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 = 0.00, std = 0.01

Class 7, attribute 6, Gaussian 0, mean = 0.48, std = 0.05

Class 7, attribute 6, Gaussian 1, mean = 0.52, std = 0.04

Class 7, attribute 6, Gaussian 2, mean = 0.51, std = 0.02

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

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

Class 7, attribute 7, Gaussian 2, mean = 0.22, std = 0.01

Class 8, attribute 0, Gaussian 0, mean = 0.77, std = 0.05

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 = 0.63, std = 0.06

Class 8, attribute 1, Gaussian 1, mean = 0.72, std = 0.01

Class 8, attribute 1, Gaussian 2, mean = 0.76, std = 0.06

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 = 0.35, std = 0.01

Class 8, attribute 6, Gaussian 1, mean = 0.52, std = 0.01

Class 8, attribute 6, Gaussian 2, mean = 0.47, 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 = 0.22, 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 = 0.49, std = 0.01

Class 9, attribute 2, Gaussian 1, mean = 0.45, std = 0.01

Class 9, attribute 2, Gaussian 2, mean = 0.37, std = 0.01

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 = 0.54, std = 0.01

Class 9, attribute 6, Gaussian 1, mean = 0.54, std = 0.01

Class 9, attribute 6, Gaussian 2, mean = 0.54, std = 0.01

Class 9, attribute 7, Gaussian 0, mean = 0.22, std = 0.01

Class 9, attribute 7, Gaussian 1, mean = 0.22, std = 0.01

Class 9, attribute 7, Gaussian 2, mean = 0.22, std = 0.01

Class 10, attribute 0, Gaussian 0, mean = 0.77, std = 0.05

Class 10, attribute 0, Gaussian 1, mean = 0.77, 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 = 0.56, std = 0.01

Class 10, attribute 1, Gaussian 2, mean = 0.83, std = 0.01

Class 10, attribute 2, Gaussian 0, mean = 0.33, std = 0.01

Class 10, attribute 2, Gaussian 1, mean = 0.58, std = 0.01

Class 10, attribute 2, Gaussian 2, mean = 0.50, std = 0.01

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 = 0.54, 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 = 0.22, std = 0.01

Class 10, attribute 7, Gaussian 2, mean = 0.25, std = 0.01

**Classification:**

**Histogram:**

classification accuracy=0.2033

**Gaussian:**

classification accuracy=0.4483

**Mixture of Gaussians:**

classification accuracy=0.4676