

A scatter plot showing 100 data points in a 2D space. The x-axis ranges from -2 to 2, and the y-axis ranges from -2 to 2. The data points are colored according to their cluster membership, with colors corresponding to the labels in the table above. A solid black line represents the decision boundary between the two classes. The points are distributed as follows: Class 0 (blue) is clustered around (1.0, 1.0); Class 1 (orange) is clustered around (-1.0, -1.0); Class 2 (green) is clustered around (0.3, 0.3); Class 3 (red) is clustered around (-0.5, -0.5); Class 4 (purple) is clustered around (-0.5, 0.5); Class 5 (brown) is clustered around (0.3, 0.5); Class 6 (pink) is clustered around (0.3, -0.5); Class 7 (gray) is clustered around (-0.5, 0.3); Class 8 (olive) is clustered around (-0.5, -0.3); Class 9 (teal) is clustered around (0.3, -0.3); Class 10 (cyan) is clustered around (0.3, 0.3); Class 11 (magenta) is clustered around (-0.5, 0.3); Class 12 (yellow) is clustered around (-0.5, -0.3); Class 13 (dark blue) is clustered around (0.3, 0.3); Class 14 (light blue) is clustered around (0.3, -0.3); Class 15 (dark green) is clustered around (0.3, 0.3); Class 16 (light green) is clustered around (0.3, -0.3); Class 17 (dark red) is clustered around (-0.5, 0.3); Class 18 (light red) is clustered around (-0.5, -0.3); Class 19 (dark purple) is clustered around (-0.5, 0.3); Class 20 (light purple) is clustered around (-0.5, -0.3); Class 21 (dark orange) is clustered around (-0.5, 0.3); Class 22 (light orange) is clustered around (-0.5, -0.3); Class 23 (dark yellow) is clustered around (-0.5, 0.3); Class 24 (light yellow) is clustered around (-0.5, -0.3); Class 25 (dark cyan) is clustered around (0.3, 0.3); Class 26 (light cyan) is clustered around (0.3, -0.3); Class 27 (dark magenta) is clustered around (-0.5, 0.3); Class 28 (light magenta) is clustered around (-0.5, -0.3); Class 29 (dark brown) is clustered around (0.3, 0.3); Class 30 (light brown) is clustered around (0.3, -0.3); Class 31 (dark gray) is clustered around (-0.5, 0.3); Class 32 (light gray) is clustered around (-0.5, -0.3); Class 33 (dark olive) is clustered around (0.3, 0.3); Class 34 (light olive) is clustered around (0.3, -0.3); Class 35 (dark teal) is clustered around (0.3, 0.3); Class 36 (light teal) is clustered around (0.3, -0.3); Class 37 (dark cyan) is clustered around (0.3, 0.3); Class 38 (light cyan) is clustered around (0.3, -0.3); Class 39 (dark magenta) is clustered around (-0.5, 0.3); Class 40 (light magenta) is clustered around (-0.5, -0.3); Class 41 (dark brown) is clustered around (0.3, 0.3); Class 42 (light brown) is clustered around (0.3, -0.3); Class 43 (dark gray) is clustered around (-0.5, 0.3); Class 44 (light gray) is clustered around (-0.5, -0.3); Class 45 (dark olive) is clustered around (0.3, 0.3); Class 46 (light olive) is clustered around (0.3, -0.3); Class 47 (dark teal) is clustered around (0.3, 0.3); Class 48 (light teal) is clustered around (0.3, -0.3); Class 49 (dark cyan) is clustered around (0.3, 0.3); Class 50 (light cyan) is clustered around (0.3, -0.3); Class 51 (dark magenta) is clustered around (-0.5, 0.3); Class 52 (light magenta) is clustered around (-0.5, -0.3); Class 53 (dark brown) is clustered around (0.3, 0.3); Class 54 (light brown) is clustered around (0.3, -0.3); Class 55 (dark gray) is clustered around (-0.5, 0.3); Class 56 (light gray) is clustered around (-0.5, -0.3); Class 57 (dark olive) is clustered around (0.3, 0.3); Class 58 (light olive) is clustered around (0.3, -0.3); Class 59 (dark teal) is clustered around (0.3, 0.3); Class 60 (light teal) is clustered around (0.3, -0.3); Class 61 (dark cyan) is clustered around (0.3, 0.3); Class 62 (light cyan) is clustered around (0.3, -0.3); Class 63 (dark magenta) is clustered around (-0.5, 0.3); Class 64 (light magenta) is clustered around (-0.5, -0.3); Class 65 (dark brown) is clustered around (0.3, 0.3); Class 66 (light brown) is clustered around (0.3, -0.3); Class 67 (dark gray) is clustered around (-0.5, 0.3); Class 68 (light gray) is clustered around (-0.5, -0.3); Class 69 (dark olive) is clustered around (0.3, 0.3); Class 70 (light olive) is clustered around (0.3, -0.3); Class 71 (dark teal) is clustered around (0.3, 0.3); Class 72 (light teal) is clustered around (0.3, -0.3); Class 73 (dark cyan) is clustered around (0.3, 0.3); Class 74 (light cyan) is clustered around (0.3, -0.3); Class 75 (dark magenta) is clustered around (-0.5, 0.3); Class 76 (light magenta) is clustered around (-0.5, -0.3); Class 77 (dark brown) is clustered around (0.3, 0.3); Class 78 (light brown) is clustered around (0.3, -0.3); Class 79 (dark gray) is clustered around (-0.5, 0.3); Class 80 (light gray) is clustered around (-0.5, -0.3); Class 81 (dark olive) is clustered around (0.3, 0.3); Class 82 (light olive) is clustered around (0.3, -0.3); Class 83 (dark teal) is clustered around (0.3, 0.3); Class 84 (light teal) is clustered around (0.3, -0.3); Class 85 (dark cyan) is clustered around (0.3, 0.3); Class 86 (light cyan) is clustered around (0.3, -0.3); Class 87 (dark magenta) is clustered around (-0.5, 0.3); Class 88 (light magenta) is clustered around (-0.5, -0.3); Class 89 (dark brown) is clustered around (0.3, 0.3); Class 90 (light brown) is clustered around (0.3, -0.3); Class 91 (dark gray) is clustered around (-0.5, 0.3); Class 92 (light gray) is clustered around (-0.5, -0.3); Class 93 (dark olive) is clustered around (0.3, 0.3); Class 94 (light olive) is clustered around (0.3, -0.3); Class 95 (dark teal) is clustered around (0.3, 0.3); Class 96 (light teal) is clustered around (0.3, -0.3); Class 97 (dark cyan) is clustered around (0.3, 0.3); Class 98 (light cyan) is clustered around (0.3, -0.3); Class 99 (dark magenta) is clustered around (-0.5, 0.3); Class 100 (light magenta) is clustered around (-0.5, -0.3).

