

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 points are colored based on 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, 1); Class 1 (orange) is clustered around (-1, -1); Class 2 (green) is clustered around (0.5, 0.5); 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 (0.5, -0.5); Class 6 (pink) is clustered around (-0.5, 0.5); Class 7 (gray) is clustered around (0.5, 0.5); Class 8 (olive) is clustered around (-0.5, -0.5); Class 9 (teal) is clustered around (0.5, -0.5); Class 10 (light blue) is clustered around (-0.5, 0.5); Class 11 (light green) is clustered around (0.5, 0.5); Class 12 (light orange) is clustered around (-0.5, -0.5); Class 13 (light purple) is clustered around (0.5, -0.5); Class 14 (light brown) is clustered around (-0.5, 0.5); Class 15 (light pink) is clustered around (0.5, 0.5); Class 16 (light gray) is clustered around (-0.5, -0.5); Class 17 (light olive) is clustered around (0.5, -0.5); Class 18 (light teal) is clustered around (-0.5, 0.5); Class 19 (light cyan) is clustered around (0.5, 0.5); Class 20 (light magenta) is clustered around (-0.5, -0.5); Class 21 (light yellow) is clustered around (0.5, -0.5); Class 22 (light blue-gray) is clustered around (-0.5, 0.5); Class 23 (light green-gray) is clustered around (0.5, 0.5); Class 24 (light orange-gray) is clustered around (-0.5, -0.5); Class 25 (light purple-gray) is clustered around (0.5, -0.5); Class 26 (light brown-gray) is clustered around (-0.5, 0.5); Class 27 (light pink-gray) is clustered around (0.5, 0.5); Class 28 (light gray-gray) is clustered around (-0.5, -0.5); Class 29 (light olive-gray) is clustered around (0.5, -0.5); Class 30 (light teal-gray) is clustered around (-0.5, 0.5); Class 31 (light cyan-gray) is clustered around (0.5, 0.5); Class 32 (light magenta-gray) is clustered around (-0.5, -0.5); Class 33 (light yellow-gray) is clustered around (0.5, -0.5); Class 34 (light blue-gray) is clustered around (-0.5, 0.5); Class 35 (light green-gray) is clustered around (0.5, 0.5); 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