

A scatter plot showing two classes of data points: cyan circles and magenta circles. A green line represents the linear decision boundary between the two classes. The cyan points are primarily located in the upper-left region, while the magenta points are primarily in the lower-right region. A green ellipse highlights a region of high misclassification, where cyan points are located in the magenta region and magenta points are located in the cyan region. The decision boundary is a straight line with a slight positive slope.

