

A scatter plot illustrating a linear decision boundary for two classes: 'orange country' (represented by orange dots) and 'purple country' (represented by purple dots). The x-axis is labeled 'x coordinate' and ranges from 0 to 800. The y-axis is unlabeled. A green line represents the decision boundary, which is nearly vertical and positioned at approximately x = 400. The purple data points are clustered on the left side of the boundary (x < 400), and the orange data points are clustered on the right side (x > 400). A legend in the top right corner identifies the two classes.

