

A scatter plot illustrating a linear decision boundary between 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 700. The y-axis is unlabeled. A green line represents the decision boundary, which is nearly vertical at approximately x = 410. The 'purple country' cluster is located to the left of this boundary, centered around x = 200. The 'orange country' cluster is located to the right, centered around x = 600. A legend in the top right corner identifies the two clusters.

