



The diagram shows a grid where a horizontal row of blue squares represents the feature vector  $X$  and a vertical column of orange squares represents the target variable  $Y$ . The intersection of the row and column is labeled  $X_{i,j}$ . The label  $X_i$  is at the start of the row, and  $y_i$  is at the bottom of the column. The label  $Feature\ j$  is positioned above the column.