Binary Classification Notation
(X,M) XER ^{nx} , ME QO,13
m training examples: {(x', y'), (x, y²),(x', ym)}
M=>MTrain + Mrest (XERnxXM
$X = \begin{cases} 1 & \text{if } X \in \mathbb{R}^{n} \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & \text{if } X = 1 \\ 1 & \text{if } X = 1 \end{cases}$ $X = \begin{cases} 1 & i$
$ \lambda = [y', y^2, \dots, y^m] \lambda \in \mathbb{R}^{1\times m} $ $ \lambda = [y', y^2, \dots, y^m] \lambda \in \mathbb{R}^{1\times m} $ $ \lambda = [y', y^2, \dots, y^m] \lambda \in \mathbb{R}^{1\times m} $