

Data Set (whole data given)

$$(x_i, y_i)$$

$$i = 1 \dots m$$

1

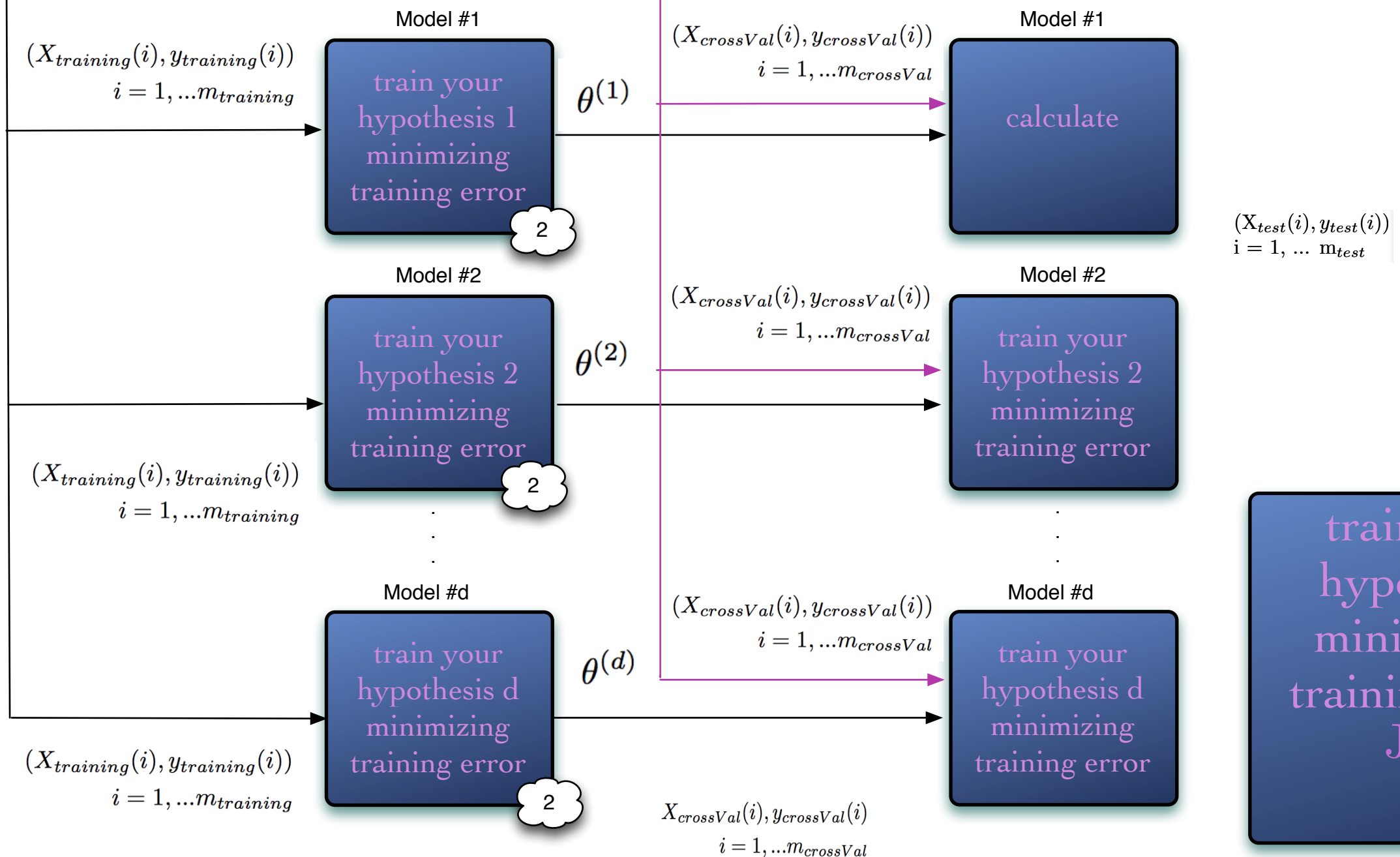
1

1

training set
(%60 of data set
randomly selected)

cross validation set
(%20 of data set
randomly selected)

test set
(%20 of data set
randomly selected)



3

calculate test set
error

train your
hypothesis
minimizing
training error
 $J(\theta)$