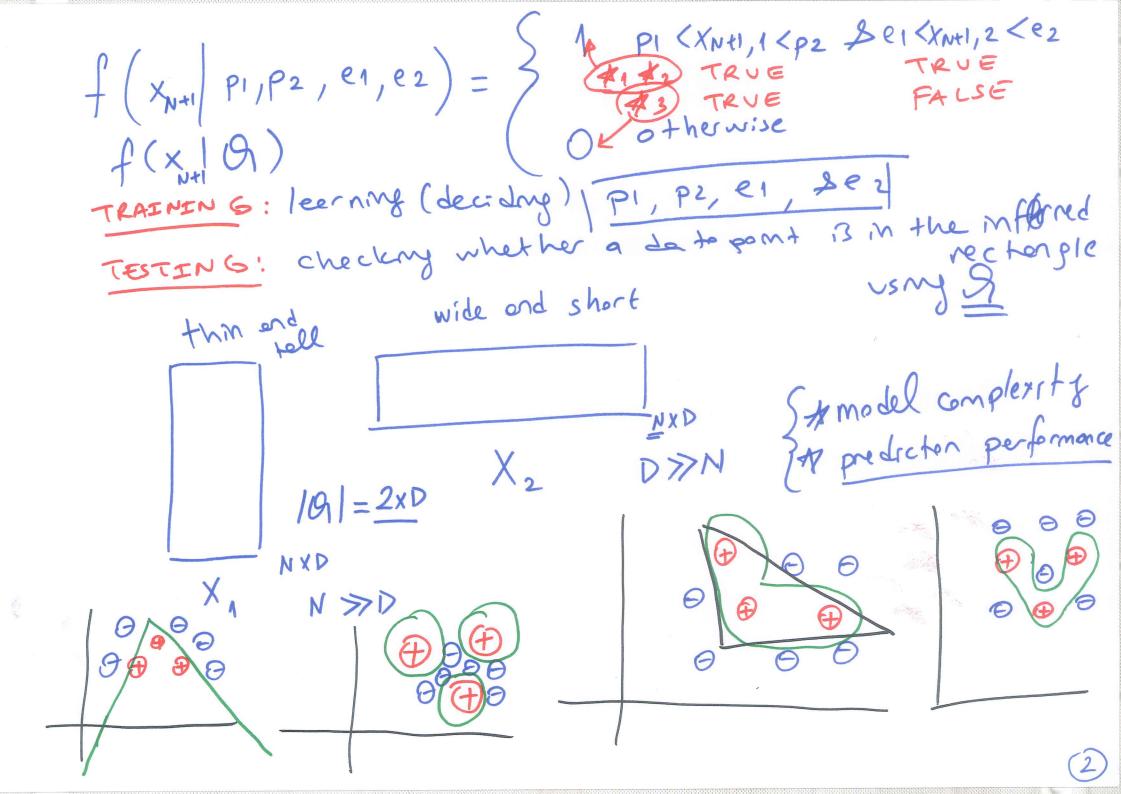
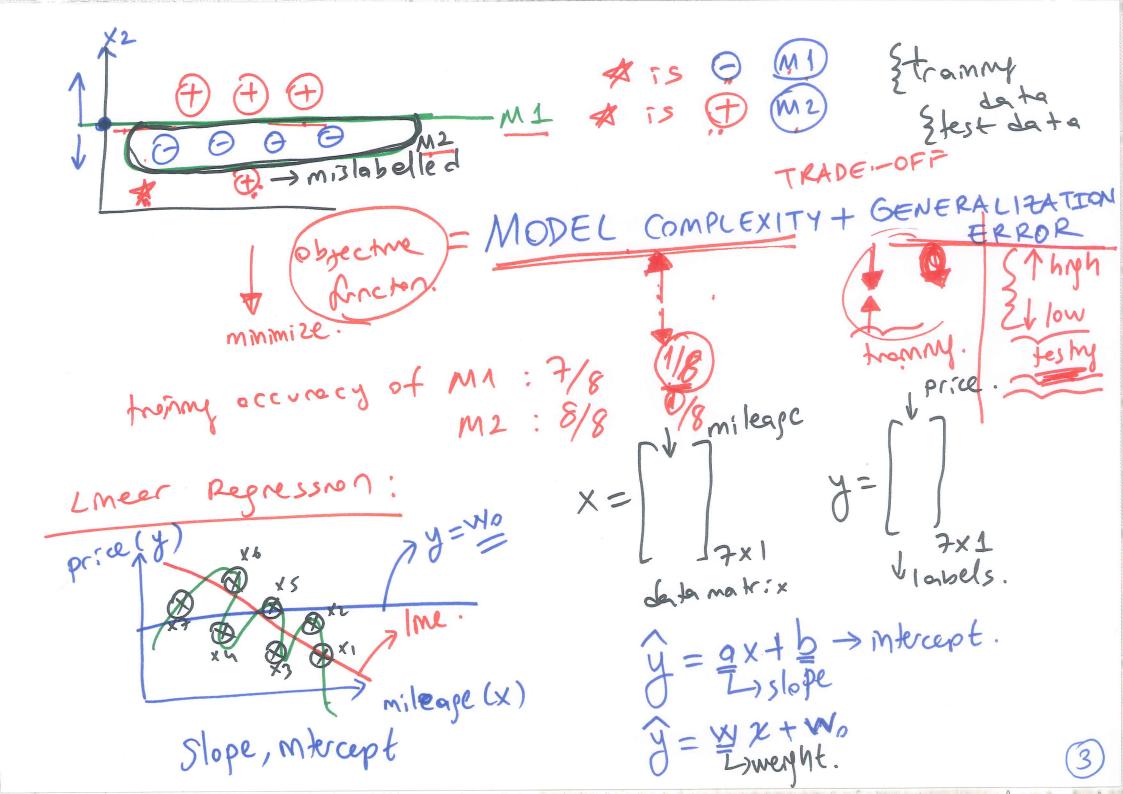
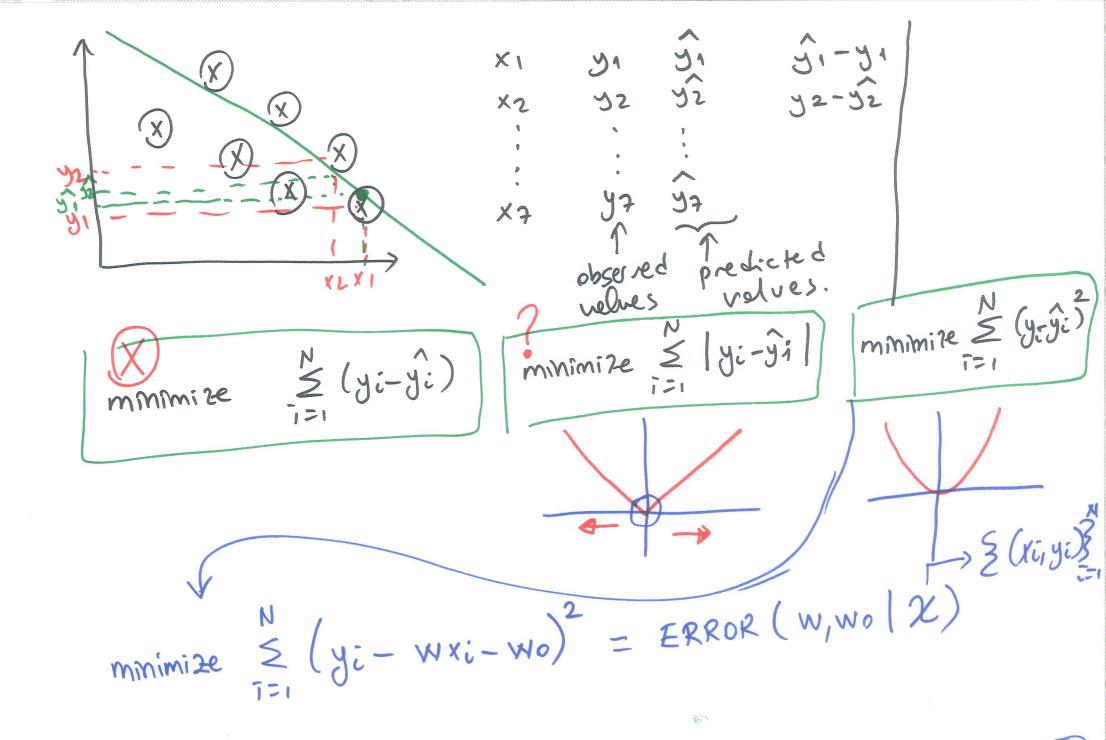
$\chi = 3(xi,yi)3_{i=1}$ earning: Supervised ith dater pomt ith label predicting whether a car is a femily cor or not

price engineer [] price power rectonples rsul i $Q = \begin{cases} P_1, P_2, e_1, e_2 \end{cases}$ $f(x_{N+1} | P_1, P_2, e_1, e_2) = y_{10}$







Error
$$(w, w_0 \mid \mathcal{X}) = \frac{N}{N} (y_1 - w_{x_1} - w_0)^2$$
 squared error $\frac{\partial \mathcal{E}(v_0)}{\partial w} = \frac{\partial \mathcal{V}}{\partial w} (y_1 - w_{x_1} - w_0)^2 = \frac{N}{N} \frac{\partial (y_1 - w_{x_1} - w_0)}{\partial w} - x_i$

$$\frac{\partial \mathcal{E}(v_0)}{\partial w_0} = \frac{\partial \mathcal{V}}{\partial w_0} (y_1 - w_{x_1} - w_0)^2 = \frac{N}{N} \frac{\partial (y_1 - w_{x_1} - w_0)}{\partial w} - x_i$$

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