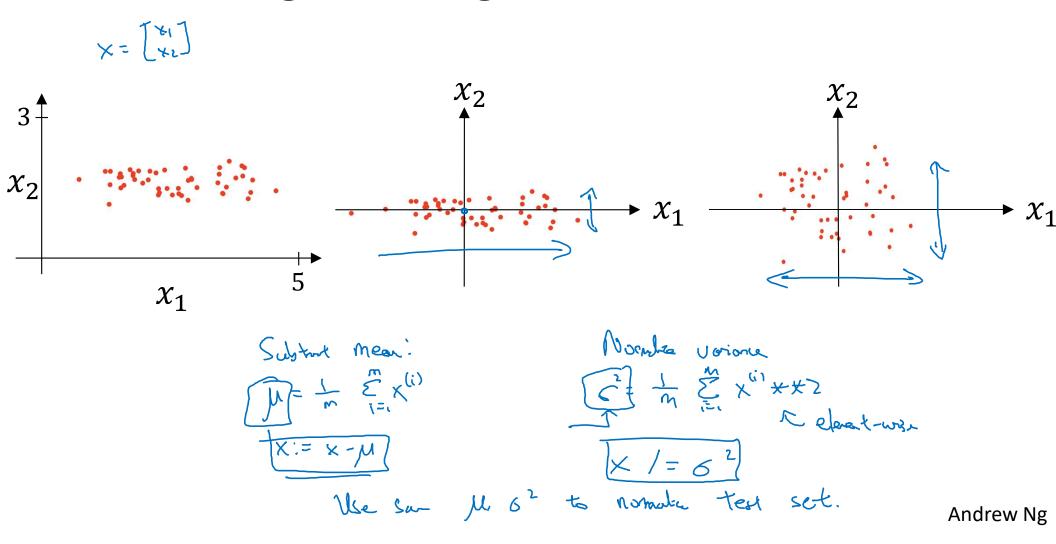


Setting up your optimization problem

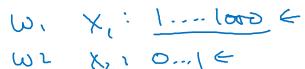
Normalizing inputs

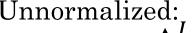
Normalizing training sets

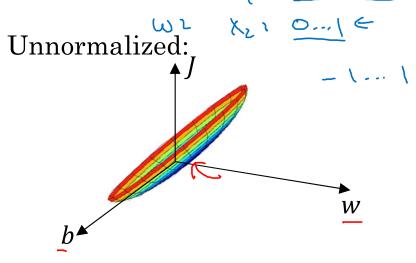


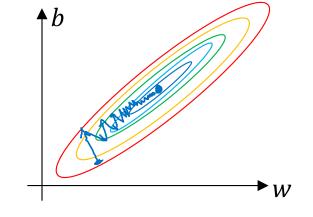
Why normalize inputs?

$$J(w,b) = \frac{1}{m} \sum_{i=1}^{m} \mathcal{L}(\hat{y}^{(i)}, y^{(i)})$$









$$X_1 : 0 \dots 1$$
 $X_2 : -1 \dots 1$
 $X_3 : 1 \dots 2$

