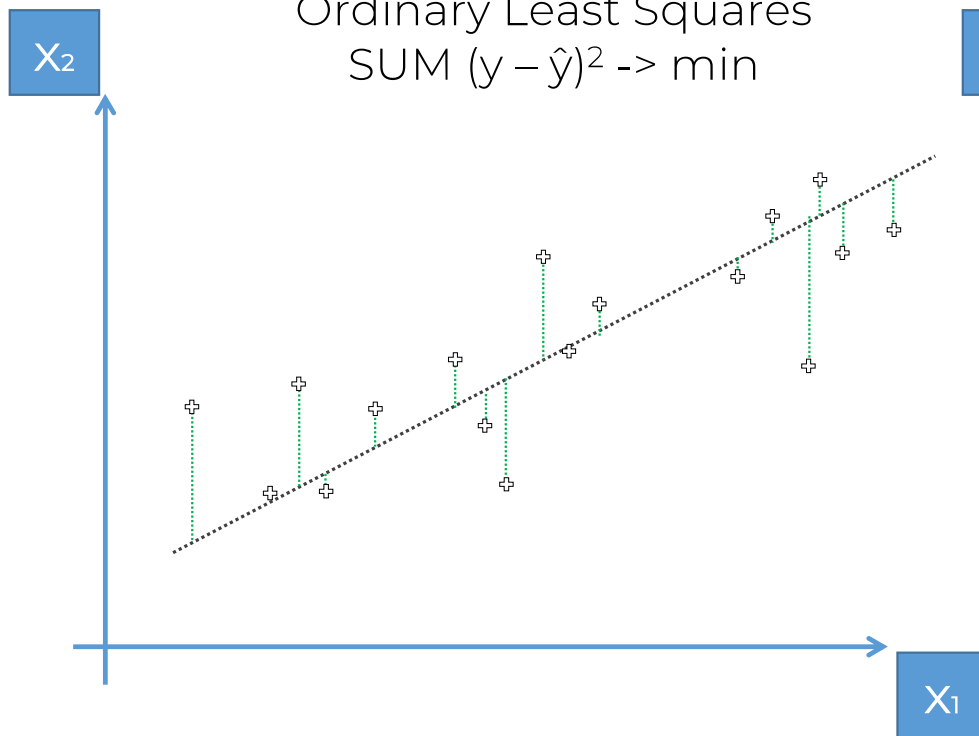


# SVR Intuition

$$\frac{1}{2} \|w\|^2 + c \sum_{i=1}^m (\xi_i + \xi_i^*) \rightarrow \min$$

Ordinary Least Squares  
 $\text{SUM } (y - \hat{y})^2 \rightarrow \min$



$\epsilon$ -Insensitive Tube  
Slack Variables  $\xi_i$  and  $\xi_i^*$

