

Machine Learning

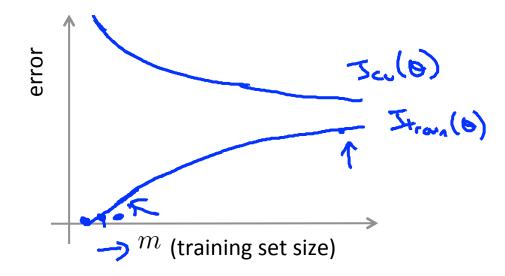
Advice for applying machine learning

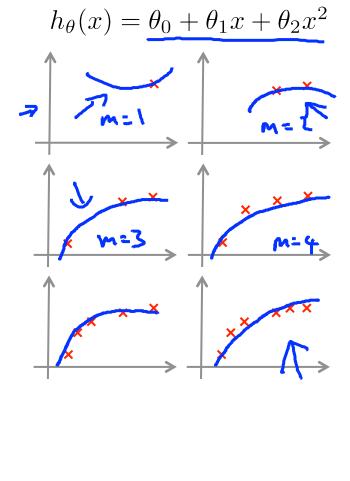
Learning curves

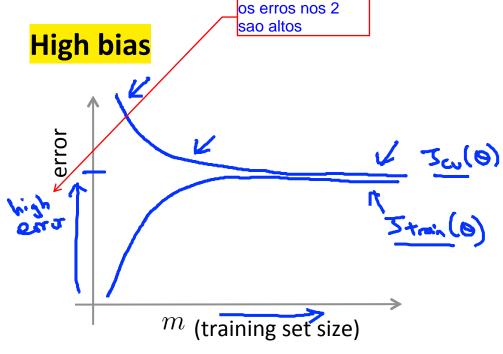
Learning curves

$$J_{train}(\theta) = \frac{1}{2m} \sum_{i=1}^{m} (h_{\theta}(x^{(i)}) - y^{(i)})^2$$

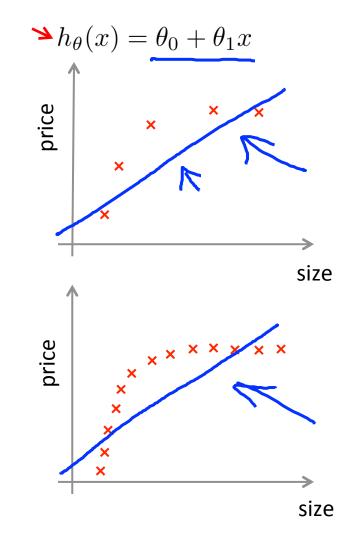
$$J_{cv}(\theta) = \frac{1}{2m_{cv}} \sum_{i=1}^{m_{cv}} (h_{\theta}(x_{cv}^{(i)}) - y_{cv}^{(i)})^2$$

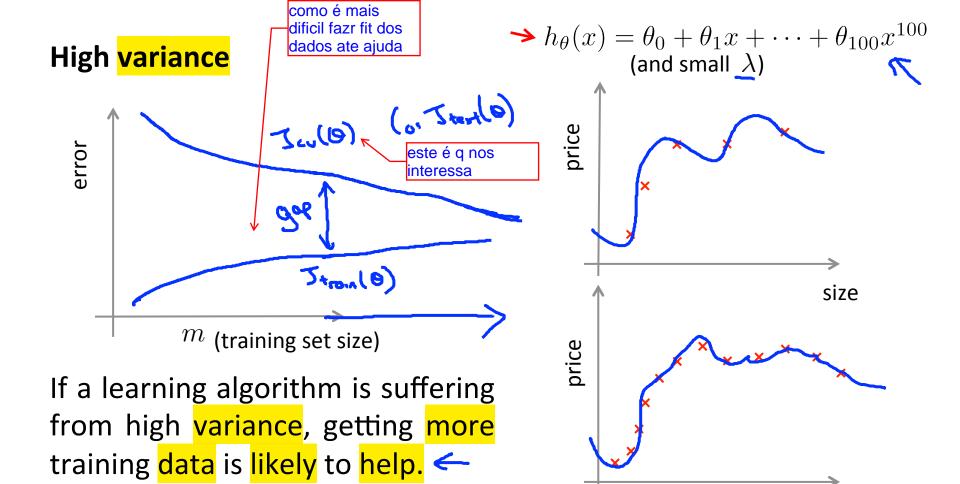






If a learning algorithm is suffering from high bias, getting more training data will not (by itself) help much.





size