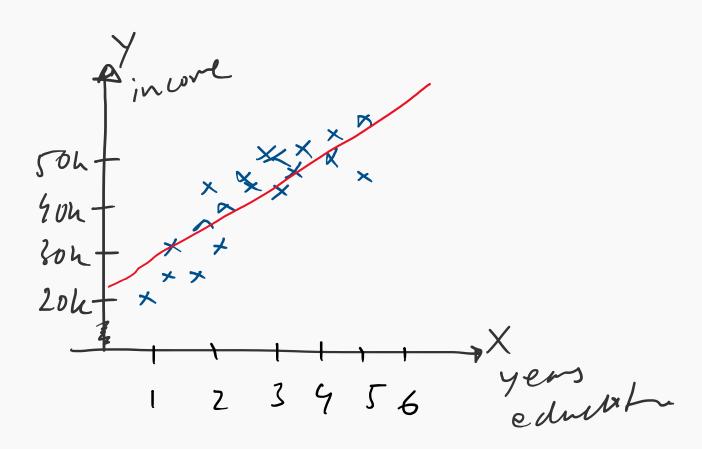
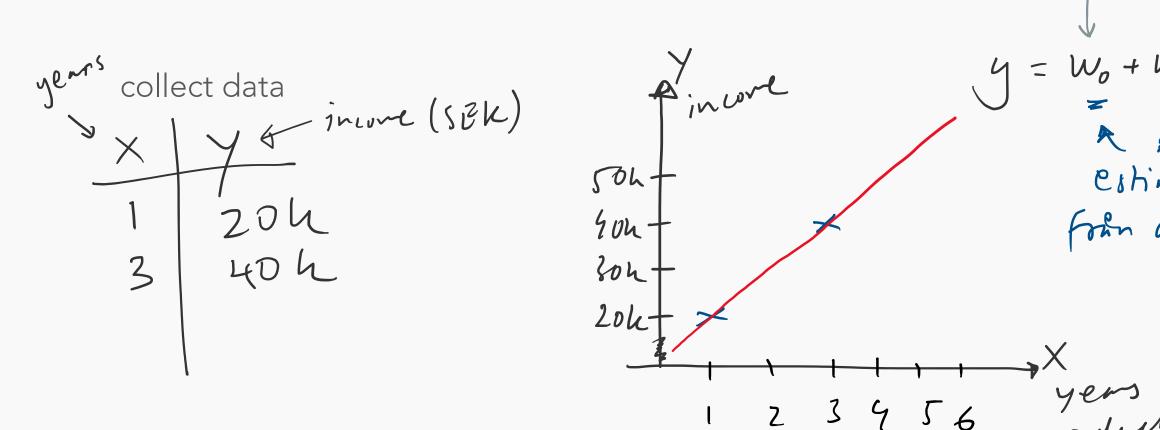
linear regression

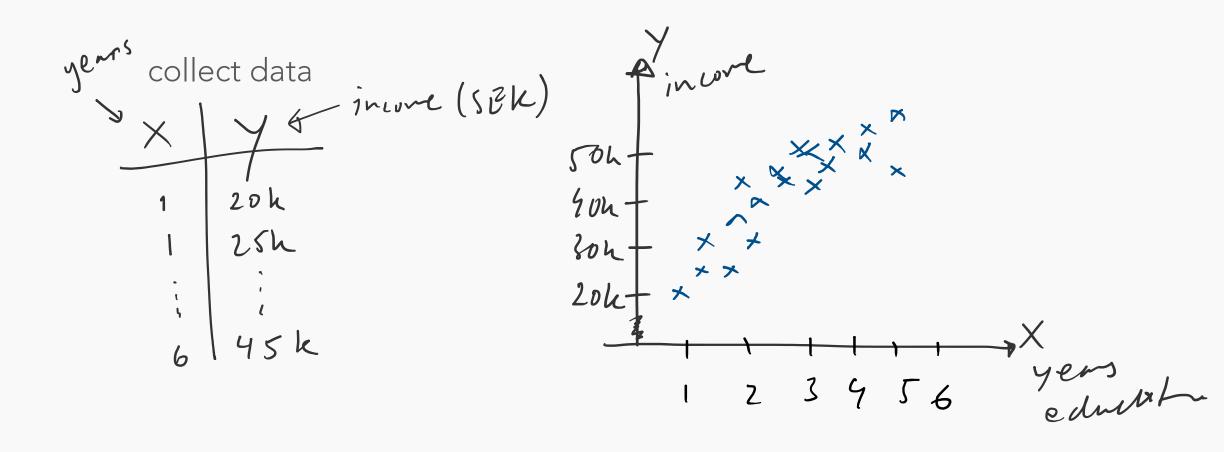


predict income example 1 – how to draw the line?

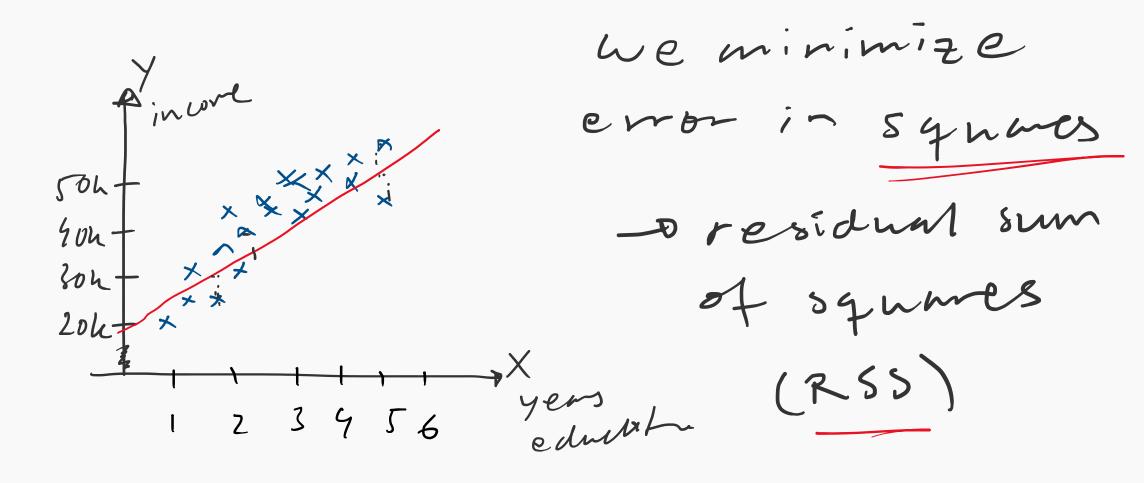
we make a survey to people to ask how long education they have and how much their income is.



predict income example 2 – how to draw the line now for best fit of the points?



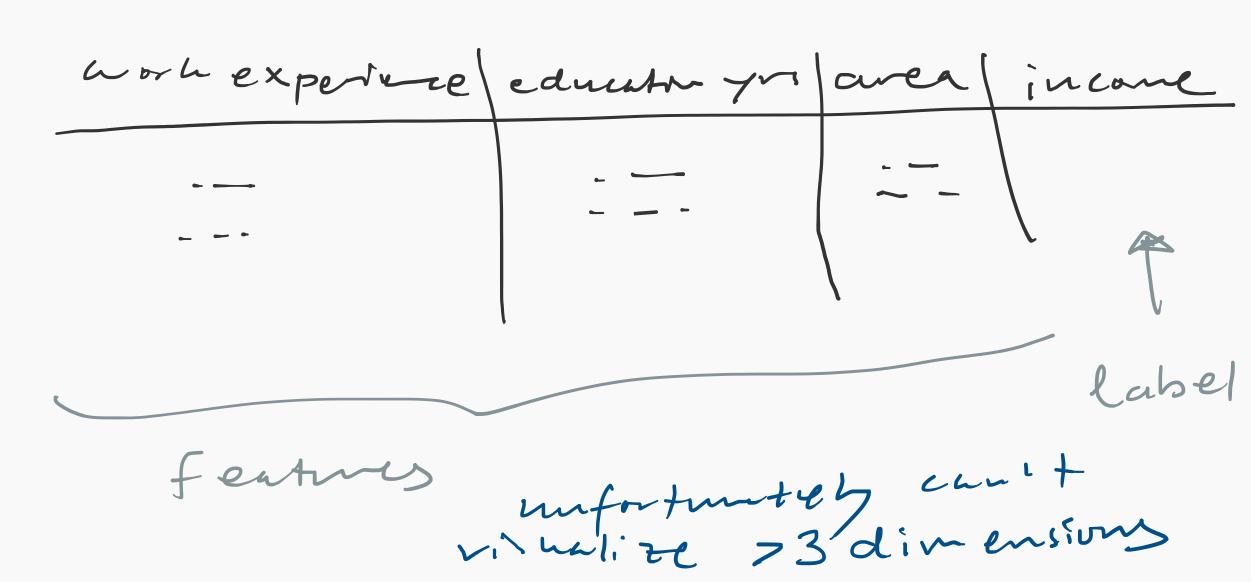
predict income example $3 - pick w_0$ and w_1 to minimize the error



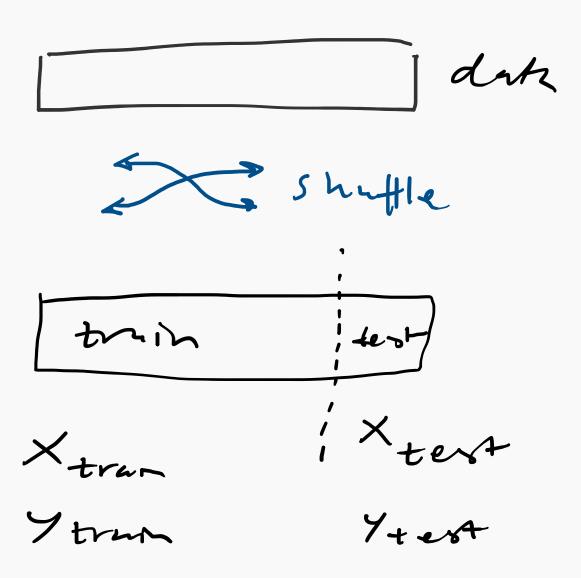
number of **features**

n features n dimensionel plane

predict income example 4 – more features



train test split



1. tran model with ×+nn & y+nn

2. predict on Xtent z) ypred

3. evaluate - compre y pred against y test data leakage

evaluate on town data =) data (entry enter on miser ter det -> avoids dute leatifl