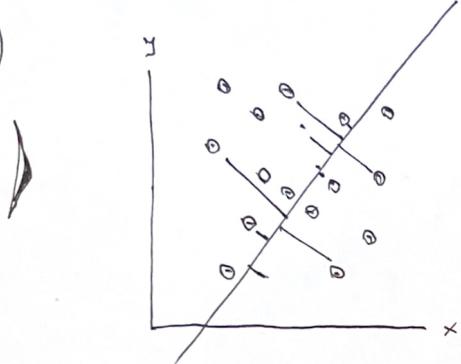


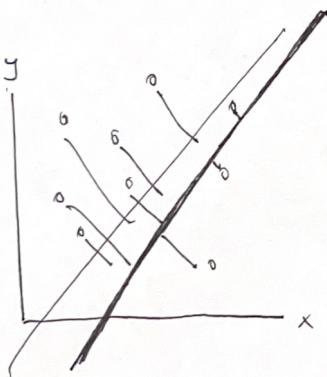
1.)



a) Place a line that captures as many of the data points as possible, then calc their difference from the base line - this is the cost function

b) Perform gradient descent on the cost to move it towards a direction where it decreases

2)



a) draw a new line based on this updated value and repeat whole process

b) Do this until gradient descent produces no further decrease in the distance between the data. take that final cost as the best one and use it to draw the final line.