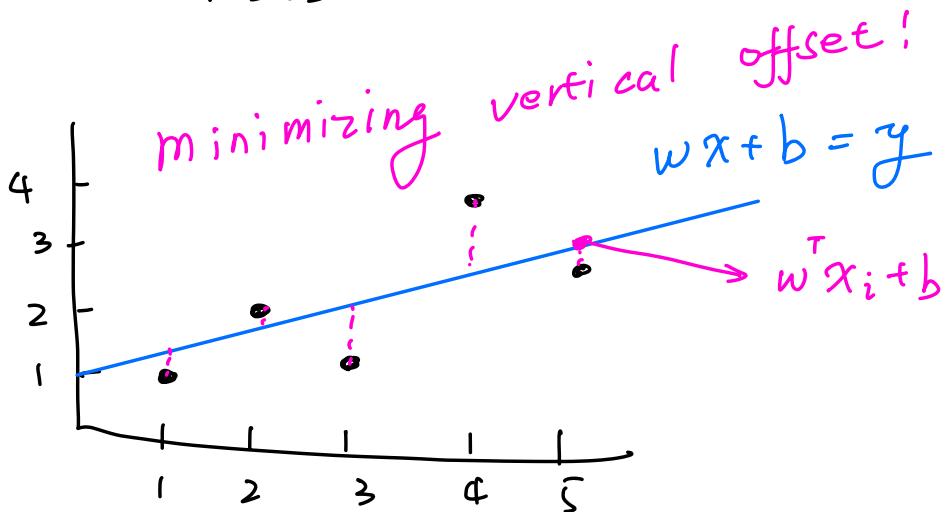


1.3.2.2 Linear Regression Example

Q :

| x | y |
|---|------|
| 1 | 1 |
| 2 | 2 |
| 3 | 1.3 |
| 4 | 3.75 |
| 5 | 2.25 |



Euclidean distance

(x_0, y_0)

d

$Ax + By + C = 0$

$d = ?$

$$d = \frac{|Ax_0 + By_0 + C|}{\sqrt{A^2 + B^2}}$$