y=mx+c-> Intercept > Mathematical Intibion V Input output output main twist is we main twisi ine likthis condepay line likthis Input

to the this equation (Y=mx+c) only? Because it represents simplest relationship between 2 voriables - astraight-line. experience Krtolos Exi 10 100 20 200 8 50 experience in years. Important vis dependent on features& feature means columns used to In above example salony is YE derive output. expesiènce is feature. we know m = (x-x)(y-y)why square means sometime.
"I"E" "ve clashes leads to zero Implement (m) y=m0+0>1 IXPUT

we know Y=mxte== (X=mx)to

\[\times \text{means mean of y&x}
\]

\[\times \text{means mean of y&x}
\]

\[\times \text{means mean of y&x}
\]

\[\times \text{means of D&D}
\]

\[\text{y=mxtc} \to D
\]

\[\text{implement D we got C}
\]

\[\text{implement D we got it}
\]

R CR Squared suppose you implement y=mx+C & plot it in xvs y graph we know in linear regression we fit our line in Best position so we use y=mx+C.

You have doubt is it my line is correct. To check that you use formule

To check that you use formule

To ssr

SST

that you use 1 - SSR

$$R^2 = 1 - E(y - y)^2 = 1 - \frac{SSR}{SST}$$

 $(E(y - y)^2)$

: squating Because T've & "-"ve clash leads to zero some times.

How it works

- Medictions inumerator = Cy-9) represents

your total Error By predictions

: denominator = Cy-y) represents your Mean error. "

error got in numerator. If you not deploy Model how much error got in denominator