Cubique of the 17 11

Let us consider a sample dataset have one input (Xi4) and number of samples.

and one output (4i4) and number of samples.

4. Develop a simple linear regression model using Bard

(Sample (1)	Yia .	Yia
1	0.2	3.4
2	0.4	3.8
3	0.6	1.2
4	0.8	4-6

- · Do manual calculations for two iterations with first two samples
- Maite the python code to build simple linear regression model using BGD optimizer (consider all 4 samples)

$$= -0.1 \times -1.34$$

= 0.134

```
Stp-7: 16 (Ttx > epochs)
dkp-3: 3F = -12 (5-4-(1-34)(0-2)+0-57)(0-2)+
               (38-(1-134) (0-4) +10.57)(0-4)]
     3 = - 1 [134-(1-B4) (0-2)+0-57)+(3-8-
                (1-134)(0-4) 40-57)] = -3-829
Step-4: Am = -0-1 x-1-157 -0-1154
     DC - -0.1 x 3.8 29 = 0.3829 -
       1-134 +0-157
      = 1-2497
     - 0-574 0-3829
     - 0.687
```