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Assignment - 04	Simple	Lineon	Regnession
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In[1]: import mumpy as np In[2]: import pandas as pd m[3]: from random import randint In[4]: def reg_fun(n): return 7* n-3 In[5]: N = [] y = [] for _ in range (5): $t = \pi \text{ and int} (0, 20)$ print(t, reg-fun(t))

** append(t) y. append (reg_fun(t) + readiant (-10,10)) 20 137 67 10 95 14 -3 0 109

In[6]: from matplotlib import pyplot as plt.

"matplotlib inline.

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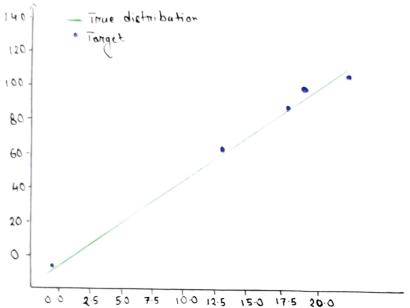
```
r
```

In[7]: plt. plot (n, [neg-fun(i) for i in n], colon = 'gneen', label=' True Distribution')

plt. Scatter (n, y, colon = 'blue', label=' Target')

plt. legend()

ptt. show()



for i in range (5):

d += (x[i]-xbon)**2

n += (x[i]-xbon)* (y[i]-ybon)

print (np. round ((x[i]-Nbor)**2,2), np. round ((x[i]-Nbor)*(y[i]-ybor) 2))
w1 = n/d

WO = ybon - WI * nbon .

64.0 388.8 4.0 18.8 4.0 27.2 144.0 1000.8 16.0 123.4

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