

Linear Regression Homework

- The learning rate is 0.2

x	y	bias	Target	Wx	Wy	Wbias	Net	dWx	dWy	dWbias
0.3	0.8	1	0.7	0	0	0	0	0.042	0.112	0.14
-0.3	1.6	1	-0.1	0.042	0.112	0.14	0.3066	0.024396	-0.13011	-0.08132
0.9	0	1	1.3	0.066396	-0.01811	0.05868	0.118436	0.212682	0	0.23631

- The final weights are:
 - x: 0.279078
 - y: -0.01811
 - bias: 0.29499
- For input (1, 0.5) we get:
 - $1 * 0.279078 + 0.5 * -0.01811 = 0.27$