

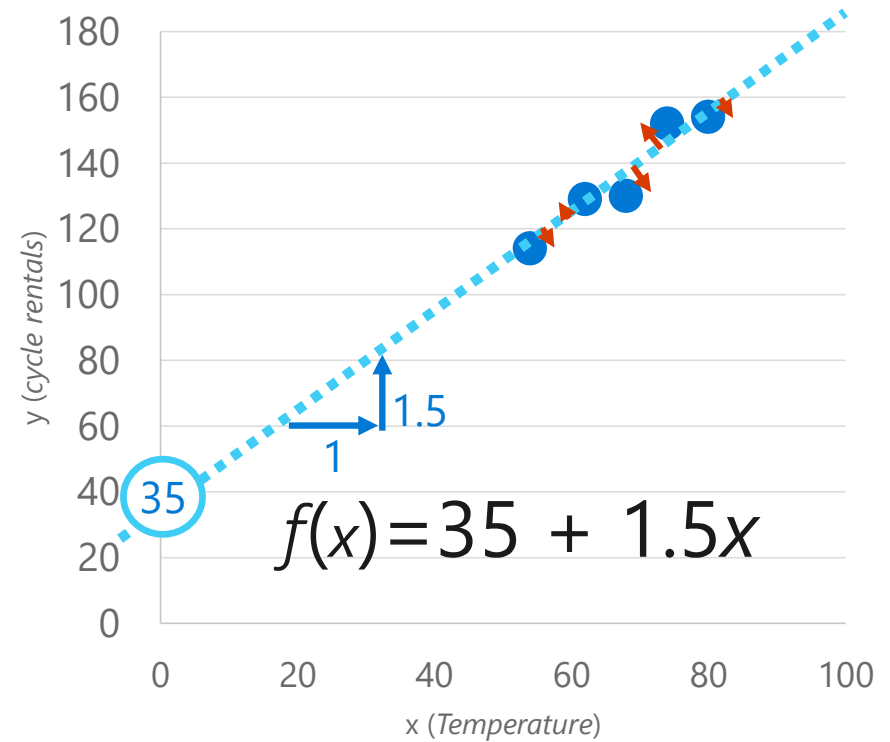




Regression

Training	 x	 y
	56	115
	61	126
	67	137
	72	140
	76	152
Validation	$f(x)$ \hat{y}	
	116	
	128	
	137	
	146	
	155	

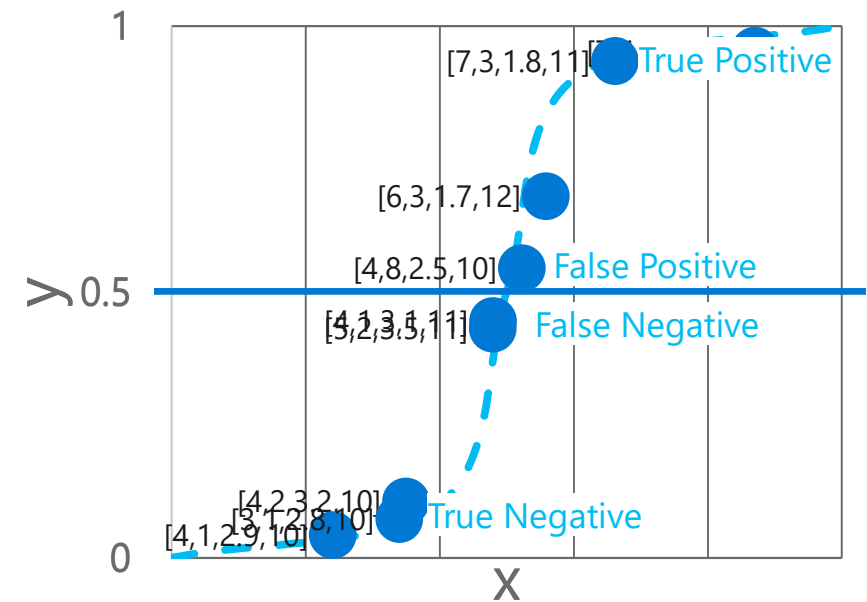


Classification









		
	x	y
Training	[4,2,3.2,10]	0
	[6,3,1.7,12]	1
	[5,2,3.5,11]	0
	[4,1,2.9,10]	0
	[7,4,2.1,11]	1
Validation	[3,1,2.8,10]	0
	[7,3,1.8,11]	1
	[4,8,2.5,10]	0
	[4,1,3,1,11]	1

	Actual	
	1	0
Predicted	1	126
	0	21
	1	7
	0	119

P(1)	P(0)	\hat{y}	
0.2	0.8	0	✓
0.9	0.1	1	✓
0.6	0.4	1	✗
0.3	0.7	0	✗



Clustering

		
	6	3
	5	3
	2	3
	1	3
	3	8
	4	8

