Date:

4

 $Y = \omega_0 + \omega_1 \times + \omega_2 \times^2$

This linear hypothesis has 3 variable, thus there will be 3 equations.

& xiyi = Wo 22i + W, 2xi + W2 &xi4

ZxiVi = Wo my W, Exi2 + W2 Zzi3

2 Y: = Wom + W, 2 2: + W2 2 x?

		1	1	1	1	
×	Y	X2	X 3	×4	хУ	x2 y
0	2.4	0	0	0	6	0
1	2.1	1	1	1	2.1	2.1
2	3.2	4	8	76	6.4	12.8
4	5.6	9	27	81	16.8	50.4
5	9.3	16	64	256	37.2	148.8
6	14.6	25	125	6 25	73	365
	2107	36	216	1296	131.4	788 - 4
21	59.1	91	441	2275	266.9	1367.5

.. Forming equations

on solving these

$$Y = 2.5095 - 1.2 \times + 0.733 \times^{2}$$