Multiple Linear Regression.

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TVAd.	News pap	
60	22	140
62	25	155
67	2-4	159
70	20	179
71	15	192
72	14	200
75	14	212
78	15	215

Sty 1: Calculate x1, x2, x, y, x2y

								-
	4	х,	×2	X12	X2	X,Y	X2 4	X1.X2
	/ /	60	22	3600	484	8400	3080	1320
	140	62	25	3844	625	10653	3875	1908
	155	67	24	4489	576		3530	1400
	159			4900	400	12530		1065
	149	70	15	5041	225	13632		1008
				5184	196	14400	2800	
	200	72	14	5625		15900	2968	1020
	212	75	14			(6770	2365	
	215	78.	11	6084		[6 1 10		
n	1452	555	145	38767	2823	101895	25364	9859.
~	181.5	69.375			R	(8,0)		1
		1		1	17	-149	Mon K	Jun !

$$= 3 \times 1 - (3 \times 1) / 2.$$

$$= 3 \times 767 - (555)^{2} = 263.875$$

$$4 \times 2 = 4 \times 2 - (4 \times 2)$$

Rogsen 263.275 194875 1162.5 -953.5 (-200.375 Sty3: Calculate bo, b1, b2 b1: [(5×2)(5×14)- (5×1×2)(5×24)] [(5x12)(5x2)-(2x1x2)2] (194.875) × (1162.5) — (-200.375) × (-953.5)[(263.875) (194.875)] [-200.375) 2 1 b1 = 3.148. T b2: [(263.875) (-953.5) - (-200.375)(1152.5)] [(263.875)(194.875)-(-200.375)2] b2 = -1.656 J=meany. bo: Y-b1x1-b2x2 ZI = Xx meany = 181.5-(3.148x 69.375) - (-1.65b) (18.12s) \$ = \$x2 bo = - 6.867. = -6.867 + 3.148 x1 - 1.656 x2 (

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