



[1].

V,

V,

. 1.

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	, %				V
	58,50	7,21	34,15	69,3	1,7263
(90% .+10% .)	61,34	7,45	31,03	68,0	1,7162
(80% .+20% .)	64,02	7,74	28,04	66,7	1,7045
(70% .+30% ;)	66,78	8,06	24,97	65,5	1,6943
(60% .+40% .)	69,36	8,40	22,03	64,5	1,6856
(50% .+50% .)	72,49	8,77	18,55	63,4	1,6798
	87,57	11,42	0,66	58,3	1,6419

[2],  $\sum_{i=1}^n x_i^2$  -

[3].  $\sum_{i=1}^n x_i y_i$  -

0,003.  $\sum_{i=1}^n y_i^2$  -

[4].  $\sum_{i=1}^n x_i$  -

$$y = b_0 + b_1 \cdot x$$

$b_0$   $b_1$

. 2.

2

			$x^2$		$y^2$	$x \cdot y$	$(x + y)^2$
1	58,3	1,6419	3398,89	95,7228	2,6958	59,9419	3593,0314
2	63,4	1,6798	4019,56	106,4993	2,8217	65,0798	4235,3804
3	64,5	1,6856	4160,25	108,7212	2,8412	66,1856	4380,5336
4	65,5	1,6943	4290,25	110,9767	2,8707	67,1943	4515,0740
5	66,7	1,7045	4448,89	113,6902	2,9053	68,4045	4679,1756
6	68,0	1,7162	4624,00	116,7016	2,9453	69,7162	4860,3485
7	69,3	1,7263	4802,49	119,6326	2,9801	71,0263	5044,7353
	455,7	11,8486	29744,33	771,9444	20,0601	467,5486	31308,2788

$b_0$   $b_1$  :

$$b_0 = \frac{\sum_{i=1}^n y_i \cdot \sum_{i=1}^n x_i^2 - \sum_{i=1}^n x_i \cdot \sum_{i=1}^n x_i y_i}{n \cdot \left( \sum_{i=1}^n x_i^2 - \left( \sum_{i=1}^n x_i \right)^2 \right)};$$

$$b_1 = \frac{n \sum_{i=1}^n x_i y_i - \sum_{i=1}^n x_i \cdot \sum_{i=1}^n y_i}{n \cdot \sum_{i=1}^n x_i^2 - \left( \sum_{i=1}^n x_i \right)^2}.$$

$b_0 \quad b_1$

1,1931 0,0077.

:

$$r^* = \frac{\sum_{i=1}^n (x_i - \bar{x}_i) \cdot (y_i - \bar{y}_i)}{(n-1) \cdot s_x s_y},$$

$s_x \quad s_y -$

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$r^*$

(0,9985),

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$$y = 1,1931 + 0,0077 \cdot x$$

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