

_____ / _____ ()

5.2, 6.9, 7.3, 7.4, 7.5, 7.5, 7.6, 7.6, 7.6, 7.7, 8.4, 8.4, 8.4, 9.9, 10.2

()

$\alpha = 0.05$

()

:

$= X_1$

$= X_2$

$= X_3$

Log (_____) \times _____ = Y

:

t (P-Value) P X_1 Y

r =

X_1 Y

P =

X_1 Y

$b_1 =$

t

=

d.f. =

P =

() ()

$$\hat{Y}_i = \beta_0 + \beta_1 X_{1i} + \beta_2 X_{2i} + \beta_3 X_{3i} + \varepsilon_i$$

$$b_1 = \frac{\sum (X_{1i} - \bar{X}_1)(Y_i - \bar{Y})}{\sum (X_{1i} - \bar{X}_1)^2}$$

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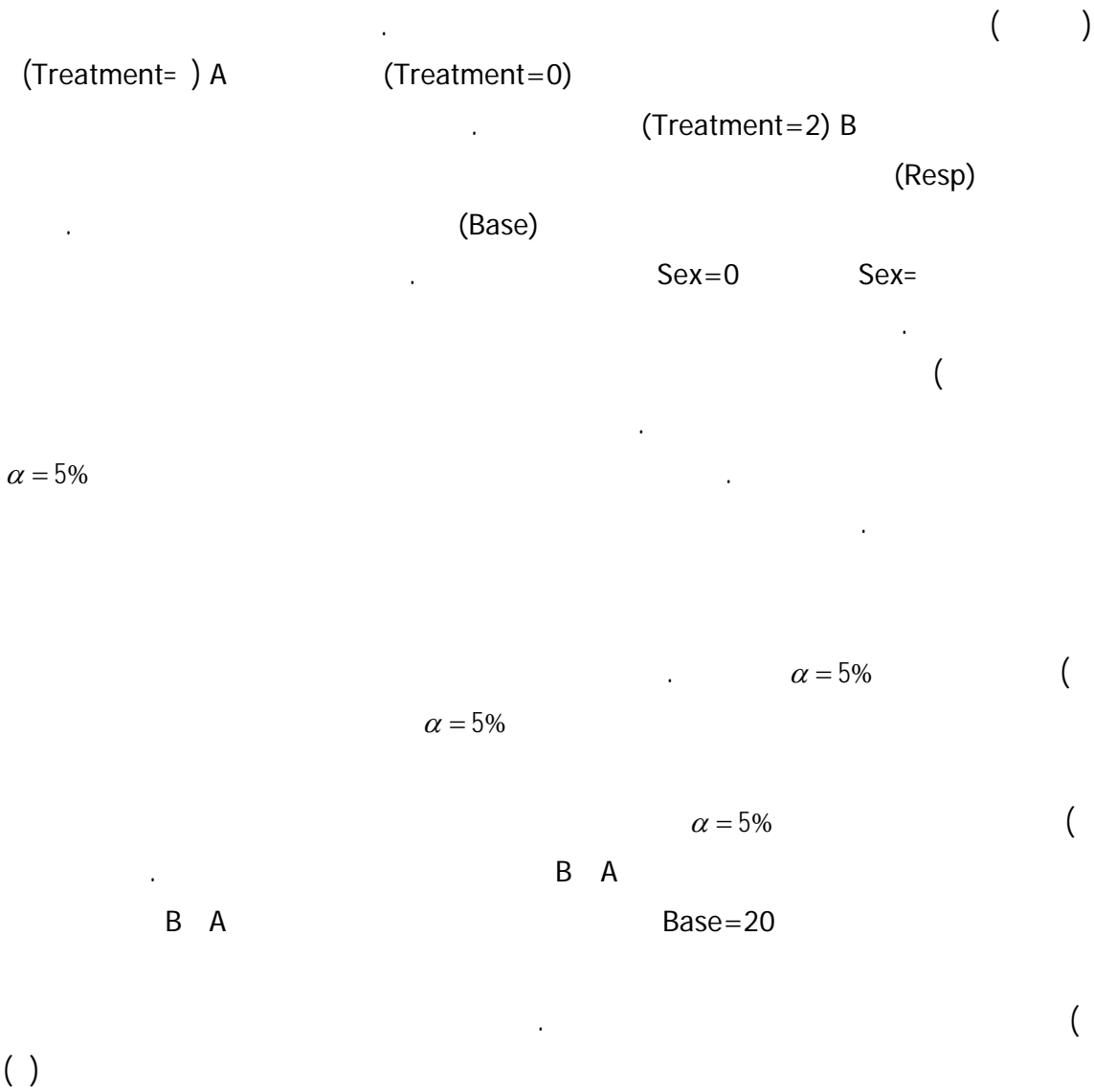
$$b_0 = \bar{Y} - b_1 \bar{X}_1 - b_2 \bar{X}_2 - b_3 \bar{X}_3$$

Y

X_3

X_2

X_1



Treatment	Sex	Base	Resp
0	0	63	21
2	1	10	0
2	1	33	1
2	0	25	10
2	0	11	10
1	1	14	7
1	0	13	2
0	0	7	15
1	0	2	1
0	0	8	3
1	1	21	4
2	0	1	0
2	1	7	1
2	0	30	5
1	1	18	8
0	0	1	1
2	0	9	1
1	1	18	5
0	0	23	33
1	0	0	0
1	0	45	30
2	1	12	1
0	1	5	12
1	1	9	3
2	1	29	30
0	1	9	2
1	1	18	999
0	0	24	9
0	0	4	1
0	1	18	2
0	1	1	0
2	1	10	8
2	1	3	3
1	1	9	2
1	1	9	10
2	0	2	2
2	1	2	2
2	1	1	4
0	0	13	10
1	1	11	2
2	1	13	2
1	1	0	1
2	0	999	12
0	1	3	1
0	1	7	1
0	1	49	18