



استخدام تقنية Six Sigma في حل مشاكل العمل (دراسة تحليلية)

المستخلص

6 Sigma

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(21)

(42)

(

6 Sigma

Abstract

The research Concentrates on modern Variable in the organizations that is 6 sigma. The field study is two of Iraqi industrial organizations, The first is state company of , the other is the state company of

The problem of the research determines some questions and hypotheses, The data was Collected by question air, which contains 5 dimensions and (10) critical Successful factories .

The sample contains (42) who Works in that organizations. The points out many conclusions. The main of it, there is significant differences among the two organizations Then The research concluded with a number of important recommendations serve it's objectives .

المقدمة

6 Sigma (.....)

6 Sigma

6 sigma

المبحث الأول - منهجية البحث

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6 sigma

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. 6 sigma

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6 sigma

-1

6 sigma

-2

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6 sigma

6

sigma

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6 sigma

-1

. 6 sigma

-2

-

6Sigma -1

. 6 Sigma -2

. 6 Sigma -3

:

6 Sigma

- 1- Raisnghani & others , 2008, six sigma ! concepts too is and aeplions.
- 2- Elliott.Ge.2008 ;The Journey to steps to six sigma , No : I .pp 201- 207 .
- 3- An to ng J 8 coronado, 2008 critical success factors for successful implement at ion of six sigma projects in organization

6 Sigma

(20) (30)

(1)

:(1)

76.87	83.18	71.32	68.71	79.25	79.14	81.33	Cronb Alphe

(21)

(2)

:(2)

	10	10-5	5				
42	28	11	3	42	30	8	2

S . S :
S.S
(stinikov, o2: p3)
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(Welch, 2004 : 41)
(Welch, o3, p2) 3.4
(Kwak & Anban, 03: P1)
%99.99941
(93 2007)
(Juran)
(Juran, 2007: P1)
(.93 :2007)
(Center for qom, SS : P1)

(Charlotte, 2007 : P1)
(Akdag , 2008, P187)
(Linder man ,2003)
.
(ZU, 2006 : p6)
(Ankony & Fergusson, 04 : P1026)
(Gilbert , 2003 , p8)
S.S Eckes
(Eckes , 2001 , 138)
(Antony ,sa, 2008 : p1)
(kwak 8 Anhari ,2004 ,p2)
(Antony & Banuelas, 2001: p120)
(Antony 8 Ban ,uelas ,2001 : p 92)

(Eliott, 2008 : p201)

	S.S	-1
3,4	S.S	-2
()	()	-3
deming	()	-4
	ISO	-5
		-6
	(DMAI)	-7
		-8
		-9
		-10
	S.S	-11
		-12
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		-14
(Gilbert , 2003, P9)		-15
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	S .S	:
	s.s	
		-1
(Antony et al, 2008: 296-299)		-2
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		-5

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. (Costa, 2005,P1)	-9
(Wdp,.....,P.....)	(Revelle, 2002 : P214) -10
()	-11 (Antony,2008,P236)
()	-12
.....	. (2004,16) S . S : (Elliott, 2008, p. 203) -1
	-2
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	-7
(Antony, 2008) :	-8
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	(Coronado , 2008 : p94) s .s -
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	S.S -
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(Bounds.14.P323)

(Henderson & Evans, 2000 : P272)

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(Pande, 2000 : P137)

Master black beits .1

Black beits .2

Greenbeits .3

Yellow beits .4

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(Brefogle& forrest, 1999 : P-)

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- 9
- 10
- 11
- 12

S.S

(Adams 2003,P-)

(6)

(Adams,2003,P-)

.S.S

(Antony et al, 2008,P300)

S.S -1
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S.S -6
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-13

(Croidstein, 2001 : p15)

S . S
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(Antony allers et al, 2008 : P300)

S .S :
S.S

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S .S :

S.S

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	Define	-1
(Adews, 2003 : p.193)		
	Musermenl	-2
	Analysis	-3
	S.S u.k Ad Eams2000 Improvement	-4
	Control	-5
(95 : 2007,)		
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		-
	S . S	:
(Harry & Schroeder, 2000 : p381) :	S . S	
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		.2
		.3
		.4
		.5
		.6
		.7
		.8

المبحث الثالث- تحليل البيانات وتفسير النتائج

Six Sigma
-: (P≤0.05) (P≤0.01) :
(3)
Six Sigma
-: Six Sigma -1 -
(3.74)
(17.371) (0.65)
(5 1)
(1)
(19.30) (0.67) (18.25) (0.73) (3.47) (5) (4)
.

Six Sigma (3)

				Six Sigma	
18.25	0.73	4	3		
18.44	0.71	3.85	3		
17.28	0.65	3.76	3		
14.68	0.53	3.61	3		
19.30	0.67	3.47	3		
17.37	0.65	3.74	3		
21.13	0.78	3.69	3		
20.22	0.73	3.61	3		
19.12	0.70	3.66	3		
23.54	0.85	3.61	3		
21.56	0.80	3.71	3		
21.03	0.77	3.66	3		
20.60	0.75	3.64	3		
23.80	0.85	3.57	3		
25.97	0.87	3.35	3		
24.92	0.86	3.45	3		
24.26	0.82	3.38	3		
23.85	0.83	3.48	3		
22.22	0.76	3.42	3		
22.59	0.80	3.54	3		
21.32	0.74	3.47	3		
16.18	0.62	3.83	3		
22.76	0.84	3.69	3		
20.89	0.75	3.59	3		
21.28	0.76	3.57	3.57		
18.34	0.62	3.38	3.38		
18.15	0.93	3.47	3.47		
22.84	0.82	3.59	3.59		
19.49	0.70	3.59	3.59		
20.17	0.71	3.52	3.52	Six	Sigm

: -

(3.71) (3.66) (21.03) (0.77) (10) (10 - 6) (21.56) (0.80) (23.54) (0.85) (20 - 22) (0.73)

		-
(3.48)		(3)
(23.85) (0.83)		
(3.64)	(11)	
(20.60)	(0.75)	
	(25.27) (0.87)	(13)
		-
(3.59)		
	(20.89) (0.75)	
(3.83)	(19)	
	(16.18) (0.62)	
		-
(0.71)	(3.52)	
		(20 - 17)
		(4)

18.48	0.66	3.57	3		
20.37	0.76	3.73	3		
18.15	0.63	3.47	3		
21.75	0.77	3.54	3		
15.72	0.61	3.88	3		
31.10	0.98	3.16	3		
21.70	0.79	3.64	3		
23.67	0.85	3.59	3		
15.12	0.59	3.90	3		
21.13	0.78	3.66	3		
20.49	0.74	3.61	3		

		-2
		(4)
(0.74)		(3.61)
Six Sigma		(20.49)

34 (35-26)
(15.12) (0.59) (3.90)

(31.10) (0.98) (3.16) (31)

Six Sigma (5)

Six Sigma -1

Six

-: Sigma

الجدول (5) قيم معاملات ارتباط (Spearman) بين متغيرات البحث

0.61**	0.33*	0.21	0.40*	0.32*		
0.76**	0.59**	0.04	0.54**			
0.84**	0.60**	0.05				
0.32*	0.18					
0.81**						
0.32						
N = 42	0.05		P*	0.01		P**

(0.05)

6. Sigma

(0.05)

-2

(0.32)

Six Sigma

Six

(6)

-:

Sigma

Six Sigma

:(6)

P Value**	T		P Value**	F	R ²	
0.01	5.96	0.37	0.05	4.76	0.08	Six Sigma

P** < 0.01

N = 42

6 Sigma

(0.05)

(5.96 4.76) T F

(0.01)

المبحث الرابع- الاستنتاجات والتوصيات

	6 Sigma	:	-1
	6 Sigma	.	-2
		.	-3
(3)	6 Sigma	.	-4
		.	-5
	6 Sigma	.	-6
6		.	-7
		.	-Sigma
		.	:
6		-:	-1
		.	Sigma
		.	-2
6 Sigma		.	-3
		.	□4

		المصادر
6 Sigma	(2004)	(1)
	DFSS	(2007)

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