

Yates's Algorithm for Calculating Estimated Effects

Process Development Study

Trmt. Comb.	Conv %	1	2	3	4	Estimated Effect	Effect Name
1	71						Mean
a	61						A
b	90						B
ab	82						AB
c	68						C
ac	61						AC
bc	87						BC
abc	80						ABC
d	61						D
ad	50						AD
bd	89						BD
abd	83						ABD
cd	59						CD
acd	51						ACD
bcd	85						BCD
abcd	78						ABCD

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Trmt. Comb.	Conv %	1	2	3	4	Estimated Effect	Effect Name
1	71	132	304	600	1156	72.25	Mean
a	61	172	296	556	-64	-8.00	A
b	90	129	283	-32	192	24.00	B
ab	82	167	273	-32	8	1.00	AB
c	68	111	-18	78	-18	-2.25	C
ac	61	172	-14	114	6	0.75	AC
bc	87	110	-17	2	-10	-1.25	BC
abc	80	163	-15	6	-6	-0.75	ABC
d	61	-10	40	-8	-44	-5.50	D
ad	50	-8	38	-10	0	0.00	AD
bd	89	-7	61	4	36	4.50	BD
abd	83	-7	53	2	4	0.50	ABD
cd	59	-11	2	-2	-2	-0.25	CD
acd	51	-6	0	-8	-2	-0.25	ACD
bcd	85	-8	5	-2	-6	-0.75	BCD
abcd	78	-7	1	-4	-2	-0.25	ABCD