

Truncated Z with Error Probability Balancing Calculation Example Percent Missed Installations

Cell (i)	IIEC Sample Size (n _{i1})	No. IIEC Misses (a _{i1})	IIEC Prop. of Misses (p _{i1})	CLEC Sample Size (n _{i2})	No. CLEC Misses (a _{i2})	CLEC Prop. of Misses (p _{i2})	Total Sample (n)	Total No. of Misses (a)	Z Score (Z _i)	Weight (W _i)	Truncated Score (Z _i [*])
1	361	70	0.19	16	4	0.25	377	74	-0.55	1.55	-0.55
2	2002	15	0.01	4	1	0.25	2006	16	-5.45	0.18	-5.45
3	80	18	0.23	4	0	0.00	84	18	1.06	0.80	0.00
4	2356	20	0.01	3	0	0.00	2359	20	0.16	0.16	0.00
5	24	6	0.25	5	0	0.00	29	6	1.23	0.82	0.00
6	290	50	0.17	11	4	0.36	301	54	-1.62	1.25	-1.62
7	4201	24	0.01	13	1	0.08	4214	25	-3.34	0.28	-3.34
8	660	31	0.05	80	7	0.09	740	38	-1.55	1.86	-1.55
9	4988	25	0.01	60	5	0.08	5048	30	-7.85	0.59	-7.85
10	627	10	0.02	45	3	0.07	672	13	-2.38	0.89	-2.38
Null Mean	Null Variance	Numerator Truncated Z	Denominator Truncated Z	Alternative Mean	Alternative Variance	Balancing Critical Value Numerator	Balancing Critical Value Denominator(1)	Balancing Critical Value Denominator(2)			
M _{0i}	V _{0i}	$W_i(Z_i^* - M_{0i})$	$W_i^2 V_{0i}$	M _{ai}	V _{ai}	$W_i(M_{ai} + .399)$	$W_i^2 V_{ai}$	$W_i^2 (.341)$			
-0.41	0.62	-0.22	1.50	-0.82	0.79	-0.65	1.90	0.824			
-0.08	0.99	-0.95	0.03	-0.77	1.10	-0.07	0.03	0.011			
-0.39	0.65	0.32	0.42	-0.80	0.77	-0.32	0.49	0.219			
-0.08	0.99	0.01	0.02	-0.76	1.10	-0.06	0.03	0.009			
-0.33	0.77	0.27	0.52	-0.70	0.67	-0.25	0.45	0.231			
-0.43	0.40	-1.48	0.62	-1.10	0.94	-0.88	1.47	0.532			
-0.16	0.95	-0.88	0.07	-0.85	1.21	-0.13	0.09	0.026			
-0.43	0.46	-2.08	1.61	-1.39	1.49	-1.85	5.20	1.185			
-0.13	0.97	-4.57	0.34	-0.82	1.17	-0.25	0.41	0.119			
-0.37	0.71	-1.80	0.56	-1.03	1.25	-0.56	0.99	0.271			
Sum		-11.38	5.70			-5.01	11.08	3.43			
		Truncated Z(Z')					Balancing Critical Value (c_g)				
			-4.77					-0.97			