

Predict	Confound	Result	Pnudge	Log(Odds)	Row	Instructions:
101.37	61.07	0	0.001	-6.907	2	Step1 Insert formula in D2 and E2. Pull down. Insert formula in I10:I13
94.70	117.86	1	0.999	6.907	3	Step 2 Regress Log(Odds) on Predict. Output in G16 "Regress": Steps A-C in XL4A
131.27	184.19	0	0.001	-6.907	4	Step 3 Regress Log(Odds) on predict & confound. Put in G41 Steps 2a-c in XL4D
121.16	176.85	1	0.999	6.907	5	Step 4 Enter formula in R3 and S3. Pull down.
106.91	79.82	1	0.999	6.907	6	Step 5 Graph the data shown in Q2:S23 "Graph": See step 4 in XL4D
106.15	113.86	1	0.999	6.907	7	D2 =IF(C2=0,0.001, 0.999) E2 =LN(D2/(1-D2))
91.65	49.23	1	0.999	6.907	8	R3 =1/(1+EXP(-H\$32-H\$33*Q3)) S3 =1/(1+EXP(-H\$57-H\$58*Q3-H\$59*U\$2))
96.94	92.50	1	0.999	6.907	9	
88.32	68.06	1	0.999	6.907	10	Correl(Predict,Result) 0.131 =CORREL(A\$2:A\$301,C\$2:C\$301)
110.42	109.31	1	0.999	6.907	11	Correl(Conf,Result) 0.277 =CORREL(B\$2:B\$301,C\$2:C\$301)
111.02	79.31	0	0.001	-6.907	12	Correl(Predict,Conf) 0.813 =CORREL(B\$2:B\$301,A\$2:A\$301)
82.34	106.97	0	0.001	-6.907	13	Average(Result) 0.5 =AVERAGE(C2:C301)
90.99	84.42	0	0.001	-6.907	14	Data source: Schield (2017)
123.49	175.38	0	0.001	-6.907	15	G H I J K L M
97.25	110.74	0	0.001	-6.907	16	SUMMARY OUTPUT
104.13	135.84	0	0.001	-6.907	17	
113.57	120.09	1	0.999	6.907	18	<u>Regression Statistics</u>
97.70	67.43	1	0.999	6.907	19	Multiple R 0.131371
107.63	103.03	0	0.001	-6.907	20	R Square 0.017258
70.10	17.42	0	0.001	-6.907	21	Adjusted R 0.01396
115.05	100.45	1	0.999	6.907	22	Standard Error 6.869834
89.87	97.61	0	0.001	-6.907	23	Observations 300
73.55	51.41	1	0.999	6.907	24	
90.76	87.06	0	0.001	-6.907	25	ANOVA
96.58	132.22	1	0.999	6.907	26	<u>df SS MS F significance F</u>
79.66	45.45	0	0.001	-6.907	27	Regression 1 246.981887 246.9819 5.233264 0.022859
81.88	88.62	0	0.001	-6.907	28	Residual 298 14063.99658 47.19462
107.73	96.13	0	0.001	-6.907	29	Total 299 14310.97847
120.80	117.10	0	0.001	-6.907	30	
94.50	101.16	1	0.999	6.907	31	<u>Coefficients Standard Error t Stat P-value Lower 95% Upper 95% Lower 95.0 Upper 95.0</u>
101.83	93.98	1	0.999	6.907	32	Intercept -6.53884 2.88573297 -2.26592 0.024173 -12.2178 -0.85985 -12.22
93.41	75.91	0	0.001	-6.907	33	Predict 0.065384 0.028581575 2.287633 0.022859 0.009137 0.121631 0.0091
104.38	108.92	1	0.999	6.907	34	

108.82	143.71	0	0.001	-6.907	35
120.55	169.36	1	0.999	6.907	36
83.22	43.97	0	0.001	-6.907	37
69.26	26.76	0	0.001	-6.907	38
100.00	99.33	1	0.999	6.907	39
103.37	122.47	0	0.001	-6.907	40
94.82	52.93	0	0.001	-6.907	41
90.11	94.39	1	0.999	6.907	
105.71	89.62	0	0.001	-6.907	
72.07	82.19	0	0.001	-6.907	
96.75	93.44	1	0.999	6.907	
75.40	63.73	1	0.999	6.907	
83.79	69.58	0	0.001	-6.907	
84.58	42.58	0	0.001	-6.907	
80.94	94.67	0	0.001	-6.907	
115.23	130.23	0	0.001	-6.907	
99.39	115.48	1	0.999	6.907	
68.62	11.34	0	0.001	-6.907	
109.16	122.66	1	0.999	6.907	
106.25	134.14	1	0.999	6.907	
85.57	60.65	0	0.001	-6.907	
87.79	31.79	0	0.001	-6.907	
121.76	157.65	1	0.999	6.907	
74.82	73.33	1	0.999	6.907	
100.10	83.93	0	0.001	-6.907	
97.36	110.61	1	0.999	6.907	
86.18	36.80	0	0.001	-6.907	
92.87	98.48	0	0.001	-6.907	
123.20	121.65	1	0.999	6.907	
97.60	65.35	0	0.001	-6.907	
98.98	108.02	0	0.001	-6.907	
82.00	66.92	1	0.999	6.907	
94.94	73.04	1	0.999	6.907	
90.63	83.18	0	0.001	-6.907	

G H I J K L M

SUMMARY OUTPUT

Regression Statistics

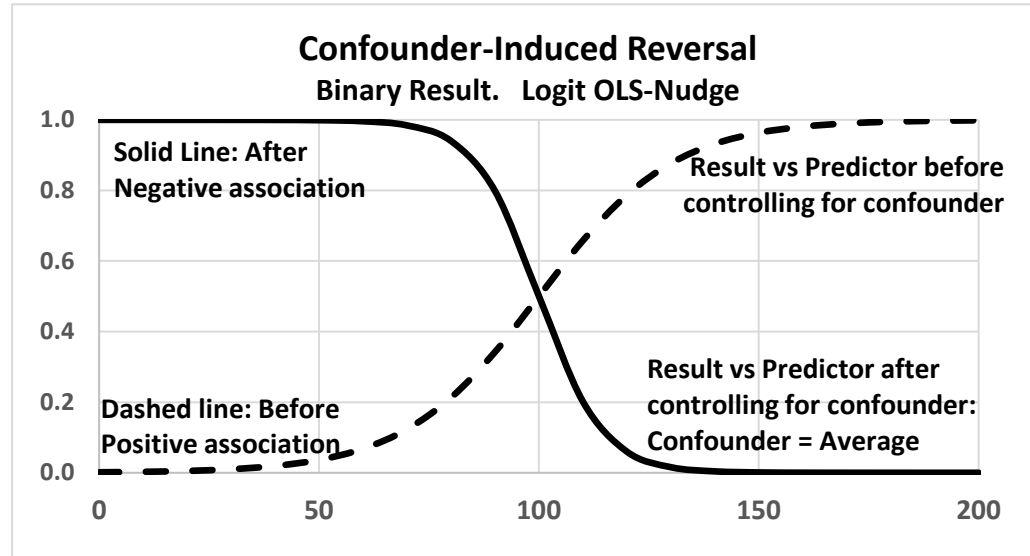
Multiple R	0.320765
R Square	0.10289
Adjusted R	0.096849
Standard Error	6.57475
Observations	300

ANOVA

	df	SS	MS	F	Significance F
Regression	2	1472.457865	736.2289	17.03156	9.94E-08
Residual	297	12838.52061	43.22734		
Total	299	14310.97847			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0
Intercept	4.81823	3.489580651	1.380748	0.168395	-2.04921	11.68567	-2.049
Predict	-0.13764	0.046928087	-2.93309	0.003617	-0.23	-0.04529	-0.23
Confound	0.089486	0.016806757	5.32443	2E-07	0.056411	0.122562	0.0564

Row	Q	R	S	T	U
2	Predict	Out Predict	Out Predict, CF=100	100	Confound
3	0	0.001	1.000	R3	=1/(1+EXP(-H\$32-H\$33*Q3))
4	10	0.003	1.000	S3	=1/(1+EXP(-H\$57-H\$58*Q3-H\$59*U\$2))
5	20	0.005	1.000		
6	30	0.010	1.000		
7	40	0.019	1.000		
8	50	0.037	0.999		
9	60	0.068	0.996		
10	70	0.123	0.984		
11	80	0.213	0.940		
12	90	0.342	0.799		
13	100	0.500	0.501		
14	110	0.658	0.202		
15	120	0.787	0.060		
16	130	0.877	0.016		
17	140	0.932	0.004		
18	150	0.963	0.001		
19	160	0.981	0.000		
20	170	0.990	0.000		
21	180	0.995	0.000		
22	190	0.997	0.000		
23	200	0.999	0.000		



Upper 95.0%
-0.85985
0.121631