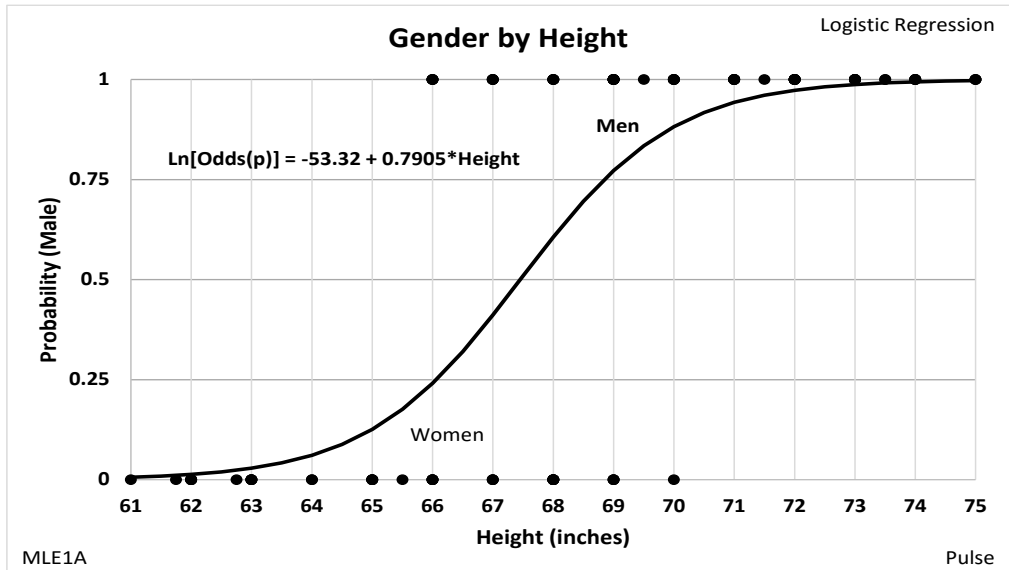


Model Gender on Height

Ave ht 68.71739  
Ave wt 145.1522

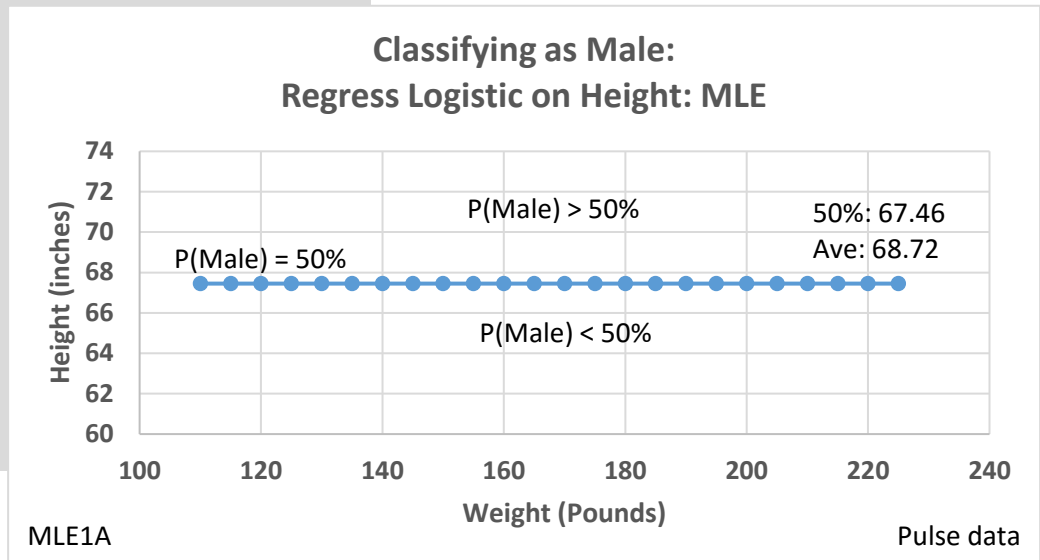


$\ln(\text{Odds}(\text{Male})) = -53.32 + 0.7905 * \text{Height}$

Source: <http://www.statlit.org/pdf/2015-Schild-Logistic-MLE1A-Excel2013-Demo.pdf>

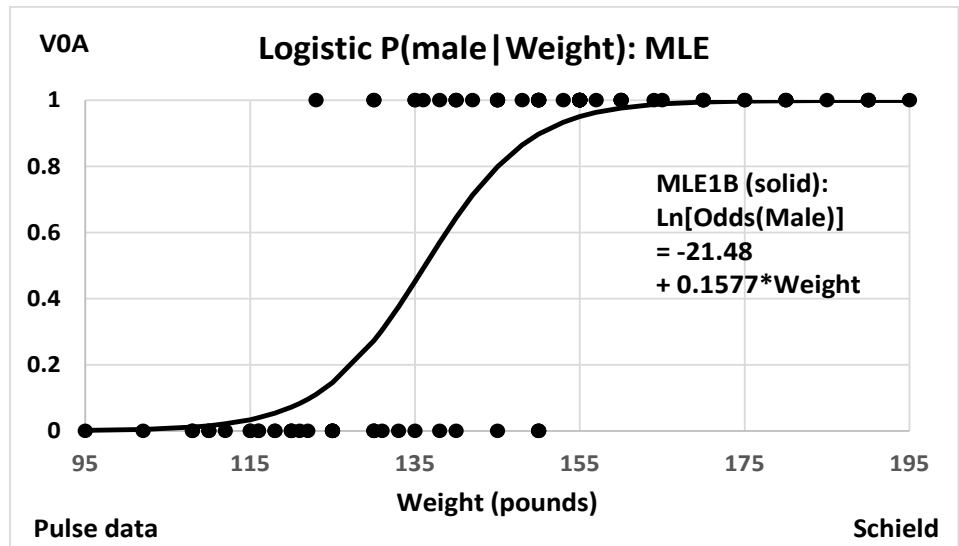
Solve for Male = 0.5	18	-53.32 Intercept	B24	=-D\$18/D\$19
Odds(Male) = 1	19	0.7905 Slope Ht		67.45098
LN(1) = 0	20	53.32 = 0.7905*Height		
	21			

K	L	M	N	O
Weight	Height	23		
110	67.45	24		
115	67.45	25		
120	67.45	26		
125	67.45	27		
130	67.45	28		
135	67.45	29		
140	67.45	30		
145	67.45	31		
150	67.45	32		
155	67.45	33		
160	67.45	34		
165	67.45			
170	67.45			
175	67.45			
180	67.45			
185	67.45			
190	67.45			
195	67.45			
200	67.45			
205	67.45			
210	67.45			
215	67.45			
220	67.45			
225	67.45			



Model Gender on WT  
1Y1X

Ave ht 68.71739  
Ave wt 145.1522

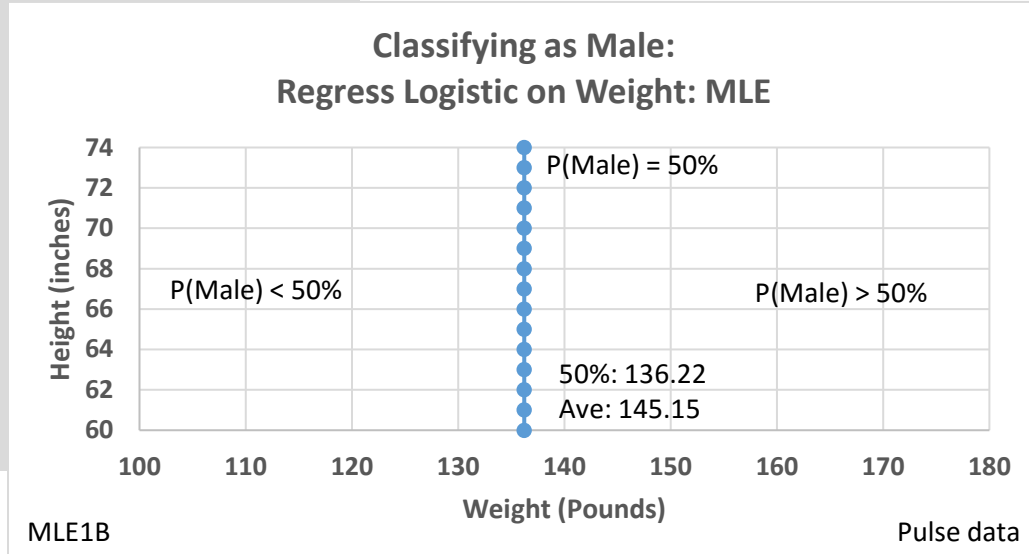


$\ln(\text{Odds}(\text{Male})) = -21.48 + 0.1577 * \text{Weight}$

Source: <http://www.statlit.org/pdf/2015-Schild-Logistic-MLE1B-Excel2013-Demo.pdf>

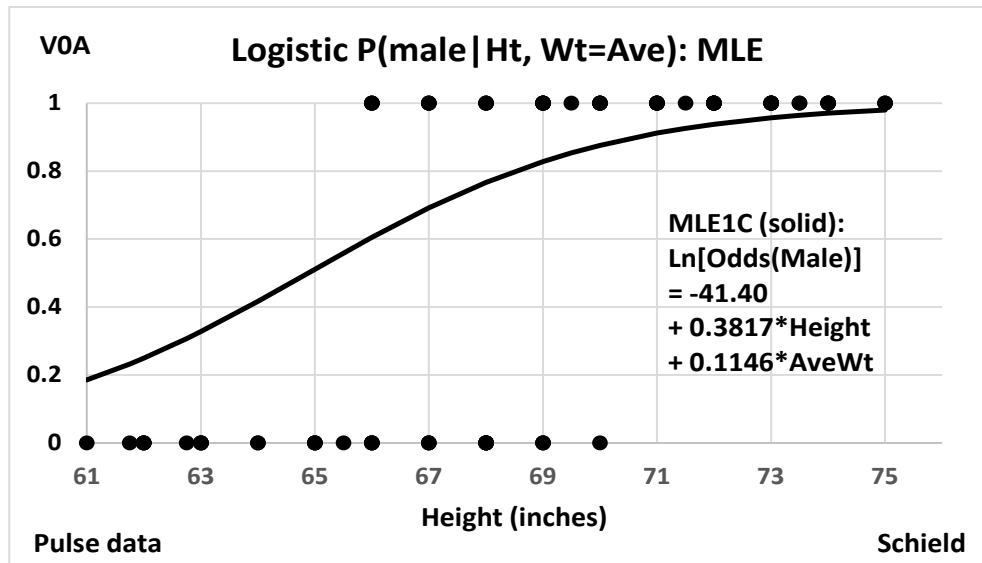
Solve for Male = 0.5	18	-21.4818 Intercept	A24	=-D\$18/D\$19
Odds(Male) = 1	19	0.157702 Slope Wt		136.2177
LN(1) = 0	20	21.4818 = 0.157702*Weight		
	21			

K	L	M	N	O
Weight	Height	23		
136.22	55	24		
136.22	56	25		
136.22	57	26		
136.22	58	27		
136.22	59	28		
136.22	60	29		
136.22	61	30		
136.22	62	31		
136.22	63	32		
136.22	64	33		
136.22	65	34		
136.22	66			
136.22	67			
136.22	68			
136.22	69			
136.22	70			
136.22	71			
136.22	72			
136.22	73			
136.22	74			
136.22	75			
136.22	76			
136.22	77			
136.22	78			



Model Sex on Ht and Wt  
1Y2X:

Ave ht 68.71739  
Ave wt 145.1522



$\ln(\text{Odds}(\text{Male})) = -41.40 + 0.3817 * \text{Height} + 0.1146 * \text{Weight}$

Source: <http://www.statlit.org/pdf/2015-Schild-Logistic-MLE1C-Excel2013-Demo.pdf>

Solve: Male = 0.5	16	-41.3971	Intercept		
Odds(Male) = 1	17	0.3817	Slope Ht	64.87	Ht(Wt=Ave)
LN(1) = 0	18	0.1146	Slope Wt		
	19	41.3971 = 0.3827*Height + 0.1146*Weight			

K	L	N	O
Weight	Height	23	
110	75.43	24	
115	73.93	25	
120	72.43	26	
125	70.93	27	
130	69.42	28	
135	67.92	29	
140	66.42	30	
145	64.92	31	
150	63.42	32	
155	61.92	33	
160	60.42	34	
165	58.92	35	
170	57.41	36	
175	55.91		
180	54.41		
185	52.91		
190	51.41		
195	49.91		
200	48.41		
205	46.91		
210	45.41		
215	43.90		
220	42.40		
225	40.90		

