

Stell Ball Impact Times

Distance (m)	Time^2 (s^2)
0.00	0.00
0.20	0.04
0.40	0.08
0.60	0.13
0.80	0.17
1.00	0.22
1.20	0.25
1.40	0.29
1.60	0.34
1.80	0.40
2.00	0.44
2.20	0.45
2.40	0.50
2.60	0.53
2.80	0.60
3.00	0.61
3.20	0.69
3.40	0.75

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.999494913
R Square	0.99899008
Adjusted R Square	0.93649008
Standard Error	0.067132449
Observations	17

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	71.32789175	71.32789175	15826.84686	4.25583E-24
Residual	16	0.072108252	0.004506766		
Total	17	71.4			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	0 4.705006052	0.037399258	125.8047967	2.12612E-25	4.625723167	4.784288937	4.625723167	4.784288937

Slope (a/2) = 4.705006052
a = 9.410012104

GRE

UNDERGRAD GPA	GRE VERBAL	GRE QUANTITATIVE	GRE WRITING	FIRST-YEAR GPA
3.39	160	162	4	3.24
3.12	153	152	5	3.4
3.03	151	156	2	2.88
2.58	154	159	1	2.71
3.2	170	167	6	3.63
3.2	155	156	2	3.2
3.61	164	156	5	3.54
2.59	159	151	3	2.38
2.88	151	155	2	2.84
3.12	153	157	5	2.99
3.46	160	160	4	3.33

*Based on an Exercise from "Excel 2016 for Marketing Statistics" Quirk, Rhiney

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.998570642
R Square	0.997143327
Adjusted R Square	0.829048324
Standard Error	0.214797867
Observations	10

ANOVA					
	df	SS	MS	F	Significance F
Regression	4	96.62917126	24.15729281	523.586375	9.67261E-07
Residual	6	0.276828741	0.046138123		
Total	10	96.906			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
3.39	0.72924084	0.270882455	2.692093288	0.035952325	0.06641535	1.39206633	0.06641535	1.39206633
160	-0.00899755	0.016929309	-0.531477726	0.614179402	-0.050422076	0.032426976	-0.050422076	0.032426976
162	0.012508893	0.016846954	0.742501779	0.485824793	-0.028714118	0.053731904	-0.028714118	0.053731904
4	0.084672651	0.056527409	1.497904343	0.184807682	-0.053644936	0.222990239	-0.053644936	0.222990239