

# Sheet1

## Single Variable Linear Regression

X-Range = A13..A27 (X for Regression)

Y-Range = B13..B27 (Y for Regression)

Calculated Y-Range = C13..C27

Difference between Measured & Calculated Ys = D13..D27

Independent Variable X	Dependent Variable Ym	Predicted Yp	Difference Yp-Ym
0.3	1.090	1.128	0.038
0.8	1.450	1.622	0.172
1.5	2.100	2.312	0.212
1.7	3.200	2.509	-0.691
2.0	3.610	2.805	-0.805
2.5	3.880	3.298	-0.582
4.0	4.415	4.777	0.362
5.6	5.500	6.355	0.855
7.1	6.030	7.835	1.805
7.9	7.150	8.624	1.474
8.2	8.700	8.870	0.170
8.6	8.970	9.314	0.344
9.1	10.300	9.807	-0.493
9.3	11.190	10.004	-1.186
9.4	11.780	10.103	-1.677
STD -->	3.436	3.313	0.911

Intercept 0.83257982677776  
 Slope 0.986225819093439  
 R^2 0.929747507546961  
 Sum X^2 574.3425  
 Sum Y^2 709.478125  
 Sum X\*Y 631.331  
 Count 15  
 SIGMA x 11.2841555555556  
 SIGMA y 11.8047495555556  
 RegErr 0.978212505854245  
 SlopeErr 0.075188781884415  
 Formula: #NAME?

## Sheet1

Press F3 and specify \A for Analysis  
Press F3 and specify \G for Graph

Copyright 1997, TRIUS, Inc. All Rights Reserved WorldWide	{PLAYWAVE "FANFARe2.wav",2}{GOTO}anchor~ {GENOPTION "Pn"}
Highlighted cells in columns A and B (under X and Ym), may be modified by the user.	{DATAREGRESS a13..a27,b13..b27,output} {goto b42} {copy cursor,anchor} {goto anchor}{update} {edit}{end}{bs}{bs}a13~ {dn}{anchor 1}{end}{dn}{up 2} {copy anchor,range} {anchor 0}  {GENOPTION "Py"}  {graphseries 0,A13..a27} {graphseries 1,b13..b27} {graphseries 2,c13..c27} {GRAPHheading 0,"Regression Results"} {GRAPHheading 2,"X-Variable"} {GRAPHheading 3,"Y = F(x)"} {graphview 1,0} {Home} {goto D1}~