

Single Variable Linear Regression

Independent Variable	Dependent Variable	Predicted	Difference	
X	Ym		Yp	Yp-Ym
-	-	-	-	-
0.3	1.090		1.139	-0.247
0.8	1.450		1.632	0.182
1.5	2.100		2.322	0.222
1.7	3.200		2.519	-0.681
2.0	3.610		2.814	-0.796
2.5	3.880		3.307	-0.573
4.0	4.520		4.785	0.265
5.6	5.500		6.362	0.862
7.1	6.030		7.840	1.810
7.9	7.150		8.629	1.479
8.2	8.700		8.875	0.175
8.6	8.970		9.319	0.349
9.1	10.300		9.811	-0.489
9.3	11.190		10.008	-1.182
9.4	11.780		10.107	-1.673
-	-	-	-	-
STD -->	3.433		3.310	0.910

Intercept	0.84343751
Slope	0.98548348
R ²	0.92999581
Sum X ²	574.3425
Sum Y ²	710.4163
Sum X*Y	631.751
Count	15
$\tilde{\sigma}_x^2$	11.284156
$\tilde{\sigma}_y^2$	11.783838
RegErr	0.97561702

SlopeErr	0.074989284
Formula:	0.84343751

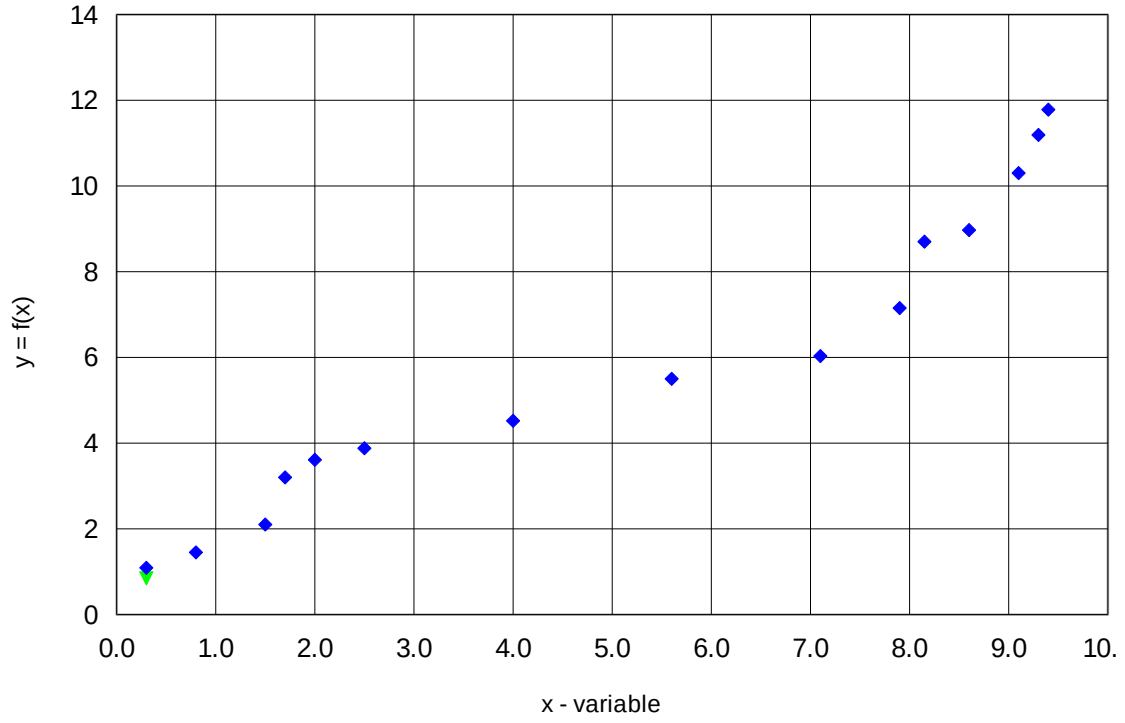
-
- * Alt-A for Analysis
- * Alt-G to Graph
-

```
{GOTO}anchor~  
/drxa13..a27~yb13..b27~c1qqa31~q  
/cb42~~  
{EDIT}{BS 2}a13~  
/c~{DN}..{END}{DN}{UP 2}~  
/rff3~.{END}{DN}{UP 2}~{home}{goto c1}
```

```
{GOTO}anchor~  
/drxa13..a27~yb13..b27~c1qqa31~q  
/cb42~~  
{EDIT}{BS 2}a13~  
/c~{DN}..{END}{DN}{UP 2}~  
/rff3~.{END}{DN}{UP 2}~  
/Gnu1~v{esc 3}{home}{goto c1}
```

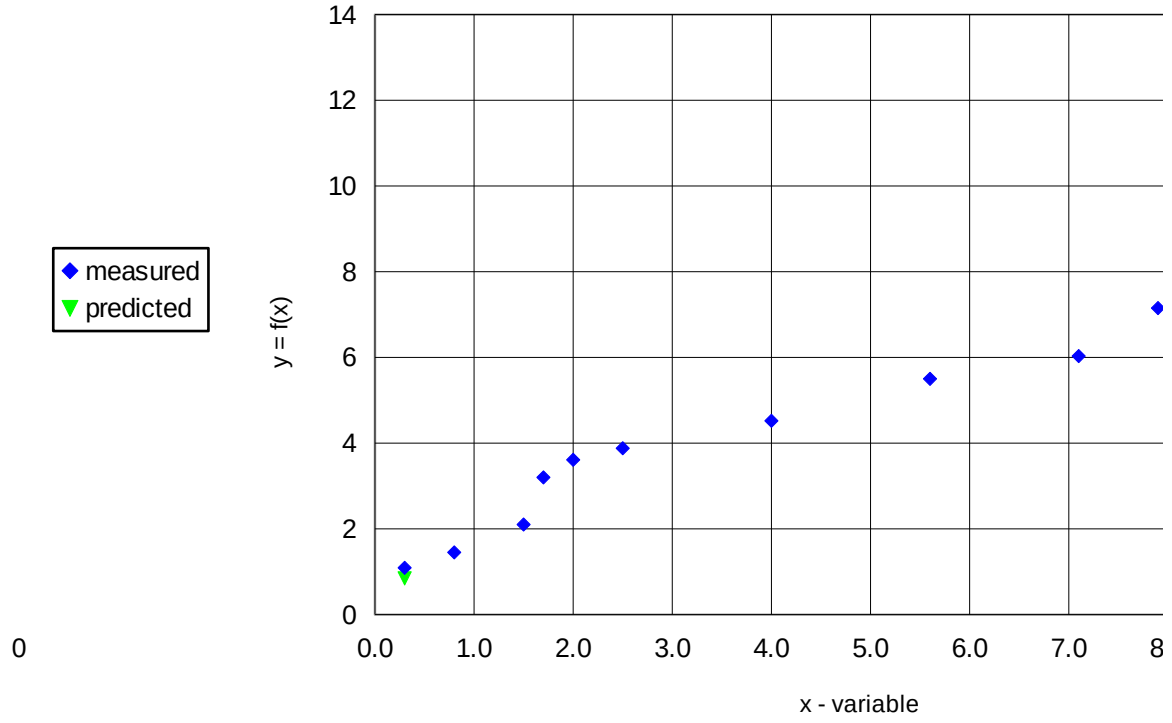
LINEAR REGRESSION PLOT

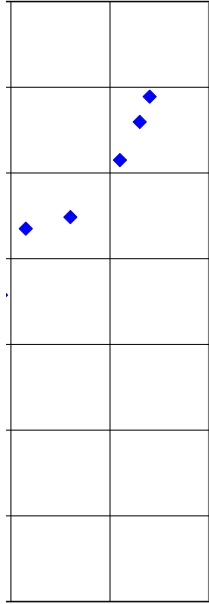
Measured & Predicted



LINEAR REGRESSION PLOT

Measured & Predicted





◆ measured
▼ predicted

.0 9.0 10.0