

Sheet1

X-Value	Y-Value	Hi-Error	Lo-Error	
	0			19.2
1	1	90	10	15 118.254545454545
2	2	204	15	19 217.309090909091
3	3	350	18	20 316.363636363636
4	4	410	20	22 415.418181818182
5	5	530	10	15 514.472727272727
6	6	630	15	19 613.527272727273
7	7	720	18	20 712.581818181818
8	8	810	20	22 811.636363636364
9	9	906	18	20 910.690909090909
10	10	990	20	22 1009.74545454545
11	11			1108.8

Regression Output:

Constant	19.2
Std Err of Y Est	19.7428928524121
R Squared	0.996162582765454
No. of Observations	10
Degrees of Freedom	8

X Coefficient(s)	99.0545454545454
Std Err of Coef.	2.17362096492779

1	100	90
1	75	
0.9	75	
1.1	75	
0.9	100	
1.1	100	
2	219	204
2	185	
1.9	185	
2.1	185	
1.9	219	
2.1	219	
3	368	350
3	330	
2.9	330	
3.1	330	
2.9	368	
3.1	368	

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4	430	410		
4	388			
3.9	388			
4.1	388			
3.9	430			
4.1	430			
5	540	530	200	#NAME?
5	515			
4.9	515			
5.1	515			
4.9	540			
5.1	540			
6	645	630	400	#NAME?
6	611			
5.9	611			
6.1	611			
5.9	645			
6.1	645			
7	738	720	600	#NAME?
7	700			
6.9	700			
7.1	700			
6.9	738			
7.1	738			
8	830	810		
8	788			
7.9	788			
8.1	788			
7.9	830			
8.1	830			
9	924	906		
9	886			

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8.9	886	
9.1	886	
8.9	924	
9.1	924	
10	1010	990
10	968	
9.9	968	
10.1	968	
9.9	1010	
10.1	1010	
0	19.2	
1	118.254545454545	
2	217.309090909091	
3	316.363636363636	
4	415.418181818182	
5	514.472727272727	
6	613.527272727273	
7	712.581818181818	
8	811.636363636364	
9	910.690909090909	
10	1009.74545454545	
11	1108.8	

le

TOT_PTS	10
WIDTH	0.1
COUNTER	11

```
MAKE_DATA /rncPLOT_DAT~.{r}{r}{d}{d}{d}{d}{d}{d}{d}~
    {PUT PLOT_DAT,0,0,@vlookup(TOP,in_rng,1)}
    {PUT PLOT_DAT,0,1,@vlookup(TOP,in_rng,1)}
    {PUT PLOT_DAT,0,3,@vlookup(TOP,in_rng,1)-$WIDTH}
    {PUT PLOT_DAT,0,4,@vlookup(TOP,in_rng,1)+$WIDTH}
    {PUT PLOT_DAT,0,6,@vlookup(TOP,in_rng,1)-$WIDTH}
    {PUT PLOT_DAT,0,7,@vlookup(TOP,in_rng,1)+$WIDTH}
    {PUT PLOT_DAT,1,0,@vlookup($top,in_rng,2)+@vlookup($top,in_rng,3)}
    {PUT PLOT_DAT,1,1,@vlookup($top,in_rng,2)-@vlookup($top,in_rng,4)}
    {PUT PLOT_DAT,1,3,@vlookup($top,in_rng,2)-@vlookup($top,in_rng,4)}
    {PUT PLOT_DAT,1,4,@vlookup($top,in_rng,2)-@vlookup($top,in_rng,4)}
    {PUT PLOT_DAT,1,6,@vlookup($top,in_rng,2)+@vlookup($top,in_rng,3)}
    {PUT PLOT_DAT,1,7,@vlookup($top,in_rng,2)+@vlookup($top,in_rng,3)}
    {PUT PLOT_DAT,2,0,@vlookup($TOP,in_rng,2)}
    ~{GOTO}TOP~{d}~
    /rncTOP~{BACKSPACE}~
    {GOTO}PLOT_DAT~{d}{d}{d}{d}{d}{d}{d}{d}{d}~
    /rncPLOT_DAT~{BACKSPACE}~~
```

```
{GETNUMBER "Number of Data Points to Plot: ",TOT_PTS}~  
/drg/rncTOP~{?}~  
/rncPLOT_DAT~{?}~  
{FOR COUNTER,1,TOT_PTS,1,MAKE_DATA}  
{goto}b2~/c{end}{down}~plot_dat~  
{goto}PLOT_DAT~{r}~/rncPLOT_DAT~{BACKSPACE}~  
{goto}plot_dat~+f2~/c~{d}~{left}{end}{down}{right}~  
{goto}ORIGIN~{r}/grgot~Data Graph With Error Bars~qq~  
/gtxx~{left}{end}{down}{right}{end}{up}~Q  
{goto}ORIGIN~{r}{r}~  
/ga~{left}{l}{end}{down}{r}{r}{end}{up}~Q  
{goto}ORIGIN~{r}{r}{r}~  
/gb~{l}{l}{l}{end}{down}{r}{r}{r}{end}{up}~ofalbsqqq  
{Graph}
```