

Sheet1

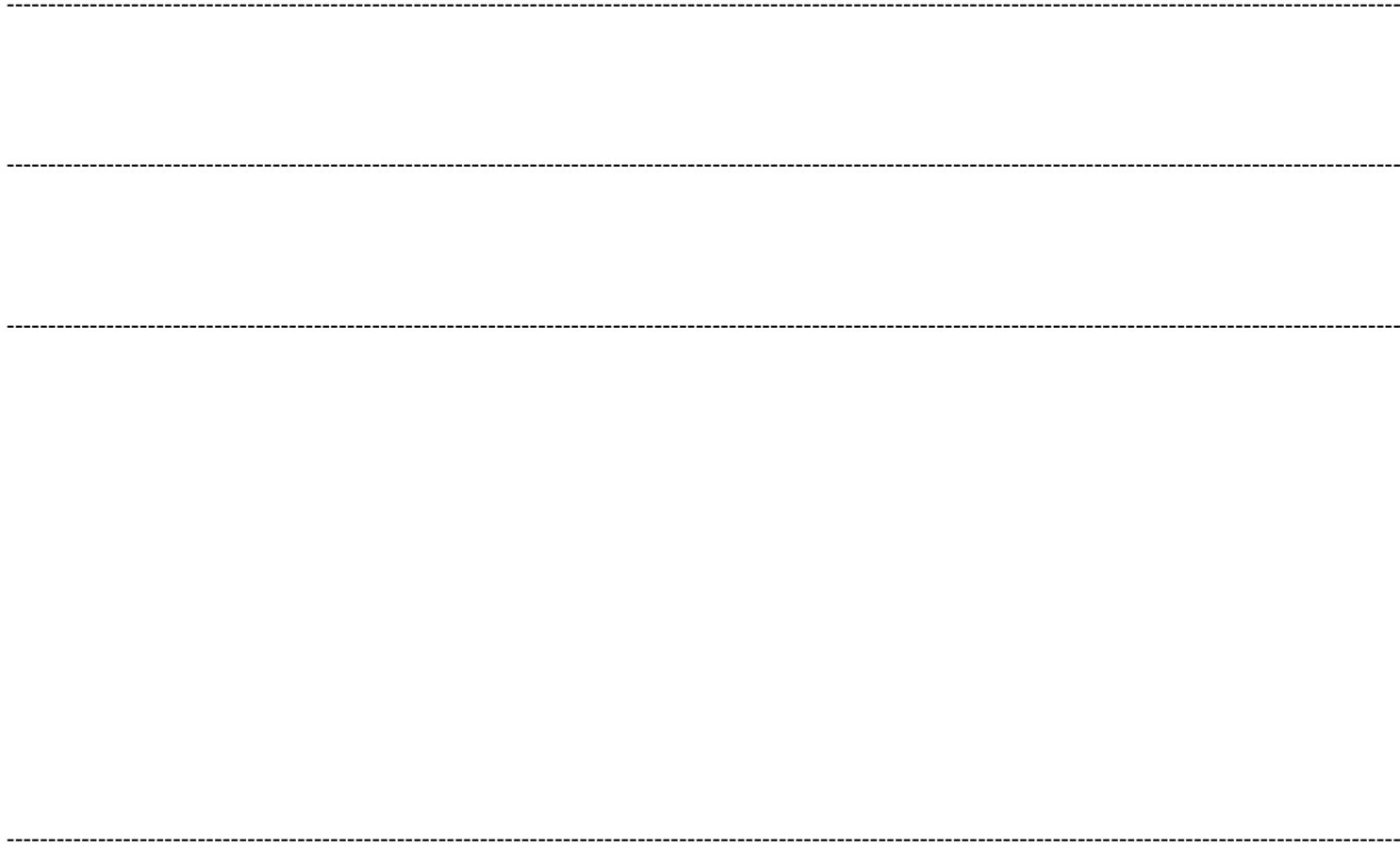
Multivariate Regression Example, Copyright 1995, TRIUS, Inc.

Ind.
Var
X1

1.68
3.86
5.76
5.87
9.03
9.96
12.64
16.19
16.22
16.52
17.39
17.58
22.61
22.88
24.49

Standard Deviations --->

x0^0
x0
x0^3
x0^4
x1
x1^2
Ln x1
x2^5
ûx2
Formula:
Result:
R^2



-24.535178935-9.072941424*A13-0.033591612*A13^3+0.00587421*A13^4-26.306506518*B13+0.693287698*B13^2+84.73

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{GOTO}anchor~
 /droresults~q
 /cformula~~
 {EDIT}{HOME}{DEL}~
 /c~{DN}.{END}{DN}{UP 2}~
 ===== == {home}{goto f4}

Ind. Var	Dependent Variable	Predicted	Residual
X3	Ym	Yp	Yp-Ym
1.00	14.000	23.738263199816	9.738
1.10	11.770	11.8932128731945	0.123
0.74	12.660	10.4098345725378	-2.250
1.45	11.920	34.9085344513845	22.989
0.10	5.440	-42.6860437135684	-48.126
0.30	4.600	-21.6977703391587	-26.298
0.17	1.110	-3.64791865057929	-4.758
2.78	63.020	33.1139526082189	-29.906
0.57	118.830	177.045248879412	58.215
0.48	153.000	173.434132757611	20.434
3.48	108.510	103.325834273342	-5.184
2.55	171.280	240.610573888938	69.331
0.73	987.000	979.792098290704	-7.208
0.68	1176.000	1018.95038555336	-157.050
0.05	1245.000	1344.95021940896	99.950
	438.061	434.401	56.509

L3)

Sheet1

```
{GOTO}toplot~
/cxvar1~~{RT}
/cyvar~~{RT}/rcvprey~~{rt}
/cxvar2~~{RT}
/cyvar~~{RT}/rcvprey~~{rt}
/cxvar3~~{RT}
/cyvar~~{RT}/rcvprey~~
{goto toplot}
/dsrd.{RT 2}{END}{DN}~p~~g{RT 3}
/dsrd.{RT 2}{END}{DN}~p~~g{RT 3}
/dsrd.{RT 2}{END}{DN}~p~~g{home}{goto f5}
```

{menujump graphd}

```
1_Y-vs-X1
Plot f(x1,x2,x3) -vs- X1
/gnuvarx1~v{esc 3}
{menujump graphd}
```

1.68	14.000	23.74	0.29	63.020
3.86	11.770	11.89	0.72	1245.000
5.76	12.660	10.41	0.89	171.280
5.87	11.920	34.91	1.02	1176.000
9.03	5.440	-42.69	1.13	14.000
9.96	4.600	-21.70	1.23	11.770
12.64	1.110	-3.65	2.50	11.920
16.19	63.020	33.11	2.50	12.660
16.22	118.830	177.05	2.85	1.110
16.52	153.000	173.43	3.80	118.830
17.39	108.510	103.33	4.00	5.440
17.58	171.280	240.61	4.20	4.600
22.61	987.000	979.79	4.94	108.510
22.88	1176.000	1018.95	9.23	153.000
24.49	1245.000	1344.95	13.25	987.000

Sheet1

2_Y-v-sX2	3_Y-vs-X3	Quit	
Plot f(x1,x2,x3) -vs- X2	Plot f(x1,x2,x3) -vs- X3	Back to Ready Mode	
/gnuvarx2~v{esc 3}	/gnuvarx3~v{esc 3}	{home}{goto f3}	{menujump graphd}
{menujump graphd}	{menujump graphd}		

33.114	0.05	1245.000	1344.95021940896
1344.950	0.10	5.440	-42.6860437135684
240.611	0.17	1.110	-3.64791865057929
1018.950	0.30	4.600	-21.6977703391587
23.738	0.48	153.000	173.434132757611
11.893	0.57	118.830	177.045248879412
34.909	0.68	1176.000	1018.95038555336
10.410	0.73	987.000	979.792098290704
-3.648	0.74	12.660	10.4098345725378
177.045	1.00	14.000	23.738263199816
-42.686	1.10	11.770	11.8932128731945
-21.698	1.45	11.920	34.9085344513845
103.326	2.55	171.280	240.610573888938
173.434	2.78	63.020	33.113952608219
979.792	3.48	108.510	103.325834273342

```
{GOTO}anchor~  
/rcv{END}{DN}{UP 2}~predict~{GOTO}predict  
~  
/gnuvarx1~rb.{END}{DN}~qvcbbq{home}{goto f5}
```