

```

REGRESSION
/MISSING LISTWISE
/STATISTICS COEFF OUTS CI(95) BCOV R ANOVA COLLIN TOL CHANGE ZPP
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT CRECEIVE
/METHOD=ENTER APPYEAR BCKGTLAG CLAIMS FWDAPLAG GENERAL GYEAR ORIGINAL SECDLW
BD SECDUPBD SELFCTLB
SELFCTUB
/RESIDUALS DURBIN
/CASEWISE PLOT(ZRESID) OUTLIERS(3) .

```

Regression

Notes

Output Created		19-SEP-2018 20:40:56
Comments		
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	2000
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Notes

Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS CI(95) BCOV R ANOVA COLLIN TOL CHANGE ZPP /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT CRECEIVE /METHOD=ENTER APPYEAR BCKGTLAG CLAIMS FWDAPLAG GENERAL GYEAR ORIGINAL SECDLWBD SECDUPBD SELFCTLB SELFCTUB /RESIDUALS DURBIN /CASEWISE PLOT (ZRESID) OUTLIERS(3).
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Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	SELFCTUB, CLAIMS, GYEAR, ORIGINAL, BCKGTLAG, SECDUPBD, GENERAL, FWDAPLAG, APPYEAR, SELFCTLB, SECDLWBD ^b	.	Enter

a. Dependent Variable: CRECEIVE

b. All requested variables entered.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics		
					R Square Change	F Change	df1
1	.443 ^a	.196	.191	4.098	.196	36.647	11

Model Summary^b

Model	Change Statistics		Durbin-Watson
	df2	Sig. F Change	
1	1655	.000	1.970

a. Predictors: (Constant), SELFCTUB, CLAIMS, GYEAR, ORIGINAL, BCKGTLAG, SECDUPBD, GENERAL, FWDAPLAG, APPYEAR, SELFCTLB, SECDLWBD

b. Dependent Variable: CRECEIVE

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	6769.213	11	615.383	36.647	.000 ^b
	Residual	27790.817	1655	16.792		
	Total	34560.030	1666			

a. Dependent Variable: CRECEIVE

b. Predictors: (Constant), SELFCTUB, CLAIMS, GYEAR, ORIGINAL, BCKGTLAG, SECDUPBD, GENERAL, FWDAPLAG, APPYEAR, SELFCTLB, SECDLWBD

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1509.628	254.147		5.940	.000
	APPYEAR	-.281	.167	-.078	-1.683	.092
	BCKGTLAG	-.064	.013	-.114	-4.805	.000
	CLAIMS	.027	.008	.074	3.319	.001
	FWDAPLAG	-.034	.141	-.008	-.244	.807
	GENERAL	5.826	.408	.336	14.264	.000
	GYEAR	-.474	.147	-.112	-3.232	.001
	ORIGINAL	-1.001	.374	-.061	-2.676	.008
	SECDLWBD	-3.184	2.330	-.234	-1.367	.172
	SECDUPBD	3.049	2.274	.229	1.341	.180
	SELFCTLB	-1.653	2.138	-.078	-.773	.440
	SELFCTUB	1.188	1.968	.060	.604	.546

Coefficients^a

Model		95.0% Confidence Interval for B		Correlations			Collinearity Statistics
		Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance
1	(Constant)	1011.146	2008.111				
	APPYEAR	-.608	.046	-.239	-.041	-.037	.226
	BCKGTLAG	-.091	-.038	-.124	-.117	-.106	.865
	CLAIMS	.011	.043	.090	.081	.073	.976
	FWDAPLAG	-.311	.242	.143	-.006	-.005	.409
	GENERAL	5.024	6.627	.385	.331	.314	.877
	GYEAR	-.762	-.187	-.243	-.079	-.071	.406
	ORIGINAL	-1.735	-.267	.007	-.066	-.059	.938
	SECDLWBD	-7.753	1.385	-.039	-.034	-.030	.017
	SECDUPBD	-1.411	7.509	-.033	.033	.030	.017
	SELFCTLB	-5.847	2.541	-.007	-.019	-.017	.048
	SELFCTUB	-2.672	5.047	-.010	.015	.013	.049

Coefficients^a

Model		Collinearity Statistics VIF
1	(Constant)	
	APPYEAR	4.417
	BCKGTLAG	1.157
	CLAIMS	1.025
	FWDAPLAG	2.447
	GENERAL	1.140
	GYEAR	2.461
	ORIGINAL	1.066
	SECDLWBD	60.138
	SECDUPBD	59.861
	SELFCTLB	21.015
	SELFCTUB	20.547

a. Dependent Variable: CRECEIVE

Coefficient Correlations^a

Model			SELFCTUB	CLAIMS	GYEAR	ORIGINAL	BCKGTLAG
1	Correlations	SELFCTUB	1.000	.013	-.021	.011	-.257
		CLAIMS	.013	1.000	-.089	-.088	.003
		GYEAR	-.021	-.089	1.000	-.091	.072
		ORIGINAL	.011	-.088	-.091	1.000	-.080
		BCKGTLAG	-.257	.003	.072	-.080	1.000
		SECDUPBD	-.038	-.031	.053	.029	-.102
		GENERAL	-.019	-.043	.095	-.194	.114
		FWDAPLAG	.005	-.012	-.237	.019	-.101
		APPYEAR	.009	.057	-.677	.057	-.064
		SELFCTLB	-.974	-.014	.033	-.003	.288
		SECDLWBD	.038	.030	-.051	-.028	.100
	Covariances	SELFCTUB	3.872	.000	-.006	.008	-.007
		CLAIMS	.000	6.632E-5	.000	.000	3.690E-7
		GYEAR	-.006	.000	.022	-.005	.000
		ORIGINAL	.008	.000	-.005	.140	.000
		BCKGTLAG	-.007	3.690E-7	.000	.000	.000
		SECDUPBD	-.171	-.001	.018	.024	-.003

Coefficient Correlations^a

Model			SECDUPBD	GENERAL	FWDAPLAG	APPYEAR
1	Correlations	SELFCTUB	-.038	-.019	.005	.009
		CLAIMS	-.031	-.043	-.012	.057
		GYEAR	.053	.095	-.237	-.677
		ORIGINAL	.029	-.194	.019	.057
		BCKGTLAG	-.102	.114	-.101	-.064
		SECDUPBD	1.000	-.023	-.037	-.013
		GENERAL	-.023	1.000	.041	.093
		FWDAPLAG	-.037	.041	1.000	.688
		APPYEAR	-.013	.093	.688	1.000
		SELFCTLB	.041	.023	-.008	-.017
		SECDLWBD	-.991	.028	.042	.010
	Covariances	SELFCTUB	-.171	-.015	.001	.003
		CLAIMS	-.001	.000	-1.401E-5	7.754E-5
		GYEAR	.018	.006	-.005	-.017
		ORIGINAL	.024	-.030	.001	.004
		BCKGTLAG	-.003	.001	.000	.000
		SECDUPBD	5.170	-.022	-.012	-.005

Coefficient Correlations^a

Model			SELFCTLB	SECDLWBD
1	Correlations	SELFCTUB	-.974	.038
		CLAIMS	-.014	.030
		GYEAR	.033	-.051
		ORIGINAL	-.003	-.028
		BCKGTLAG	.288	.100
		SECDUPBD	.041	-.991
		GENERAL	.023	.028
		FWDAPLAG	-.008	.042
		APPYEAR	-.017	.010
		SELFCTLB	1.000	-.048
		SECDLWBD	-.048	1.000
	Covariances	SELFCTUB	-4.097	.176
		CLAIMS	.000	.001
		GYEAR	.010	-.017
		ORIGINAL	-.003	-.025
		BCKGTLAG	.008	.003
		SECDUPBD	.201	-5.250

Coefficient Correlations^a

Model		SELFCTUB	CLAIMS	GYEAR	ORIGINAL	BCKGTLAG
	GENERAL	-.015	.000	.006	-.030	.001
	FWDAPLAG	.001	-1.401E-5	-.005	.001	.000
	APPYEAR	.003	7.754E-5	-.017	.004	.000
	SELFCTLB	-4.097	.000	.010	-.003	.008
	SECDLWBD	.176	.001	-.017	-.025	.003

Coefficient Correlations^a

Model		SECDUPBD	GENERAL	FWDAPLAG	APPYEAR
	GENERAL	-.022	.167	.002	.006
	FWDAPLAG	-.012	.002	.020	.016
	APPYEAR	-.005	.006	.016	.028
	SELFCTLB	.201	.020	-.003	-.006
	SECDLWBD	-5.250	.027	.014	.004

Coefficient Correlations^a

Model		SELFCTLB	SECDLWBD
	GENERAL	.020	.027
	FWDAPLAG	-.003	.014
	APPYEAR	-.006	.004
	SELFCTLB	4.571	-.237
	SECDLWBD	-.237	5.427

a. Dependent Variable: CRECEIVE

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	(Constant)	Variance Proportions		
					APPYEAR	BCKGTLAG	CLAIMS
1	1	7.500	1.000	.00	.00	.00	.00
	2	1.607	2.161	.00	.00	.01	.01
	3	1.189	2.512	.00	.00	.00	.00
	4	.598	3.540	.00	.00	.08	.00
	5	.380	4.444	.00	.00	.23	.70
	6	.290	5.083	.00	.00	.14	.12
	7	.259	5.381	.00	.00	.42	.13
	8	.153	7.009	.00	.00	.01	.02
	9	.018	20.291	.00	.00	.09	.00
	10	.006	34.531	.00	.00	.01	.00
	11	1.112E-7	8214.054	.86	.03	.00	.00
	12	5.913E-8	11262.073	.14	.97	.00	.00

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions					
		FWDAPLAG	GENERAL	GYEAR	ORIGINAL	SECDLWBD	SECDUPBD
1	1	.00	.00	.00	.00	.00	.00
	2	.00	.01	.00	.01	.00	.00
	3	.00	.00	.00	.00	.00	.00
	4	.00	.74	.00	.00	.00	.00
	5	.00	.04	.00	.00	.00	.00
	6	.01	.10	.00	.76	.00	.00
	7	.10	.04	.00	.12	.00	.00
	8	.32	.01	.00	.10	.00	.00
	9	.00	.00	.00	.00	.00	.00
	10	.00	.00	.00	.00	.99	.99
	11	.18	.05	.37	.00	.00	.00
	12	.39	.00	.63	.00	.00	.00

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions	
		SELFCTLB	SELFCTUB
1	1	.00	.00
	2	.00	.00
	3	.01	.01
	4	.00	.00
	5	.00	.00
	6	.00	.00
	7	.00	.00
	8	.00	.00
	9	.98	.98
	10	.00	.00
	11	.00	.00
	12	.00	.00

a. Dependent Variable: CRECEIVE

Casewise Diagnostics^a

Case Number	Std. Residual	CRECEIVE	Predicted Value	Residual
30	3.911	23	6.98	16.024
153	6.131	32	6.88	25.125
202	8.840	42	5.78	36.224
230	25.144	112	8.96	103.036
243	4.366	23	5.11	17.892
405	3.015	18	5.65	12.355
446	4.977	25	4.61	20.393
457	6.329	31	5.07	25.934
585	3.081	20	7.37	12.626
759	3.309	21	7.44	13.560
879	4.839	26	6.17	19.830
1063	8.040	38	5.05	32.947
1116	4.651	22	2.94	19.059
1220	6.530	33	6.24	26.759
1680	5.189	26	4.74	21.264
1786	3.470	21	6.78	14.219

a. Dependent Variable: CRECEIVE

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	-2.11	9.70	3.30	2.016	1667
Residual	-5.320	103.036	.000	4.084	1667
Std. Predicted Value	-2.682	3.175	.000	1.000	1667
Std. Residual	-1.298	25.144	.000	.997	1667

a. Dependent Variable: CRECEIVE

* Chart Builder.

GGRAPH

```

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E REPORTMISSING=NO
/GRAPHSPEC SOURCE=INLINE
/FITLINE TOTAL=NO.

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BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: GENERAL=col(source(s), name("GENERAL"))
  DATA: CRECEIVE=col(source(s), name("CRECEIVE"))
  GUIDE: axis(dim(1), label("GENERAL"))
  GUIDE: axis(dim(2), label("CRECEIVE"))
  GUIDE: text.title(label("Simple Scatter of CRECEIVE by GENERAL"))
  ELEMENT: point(position(GENERAL*CRECEIVE))
END GPL.

```

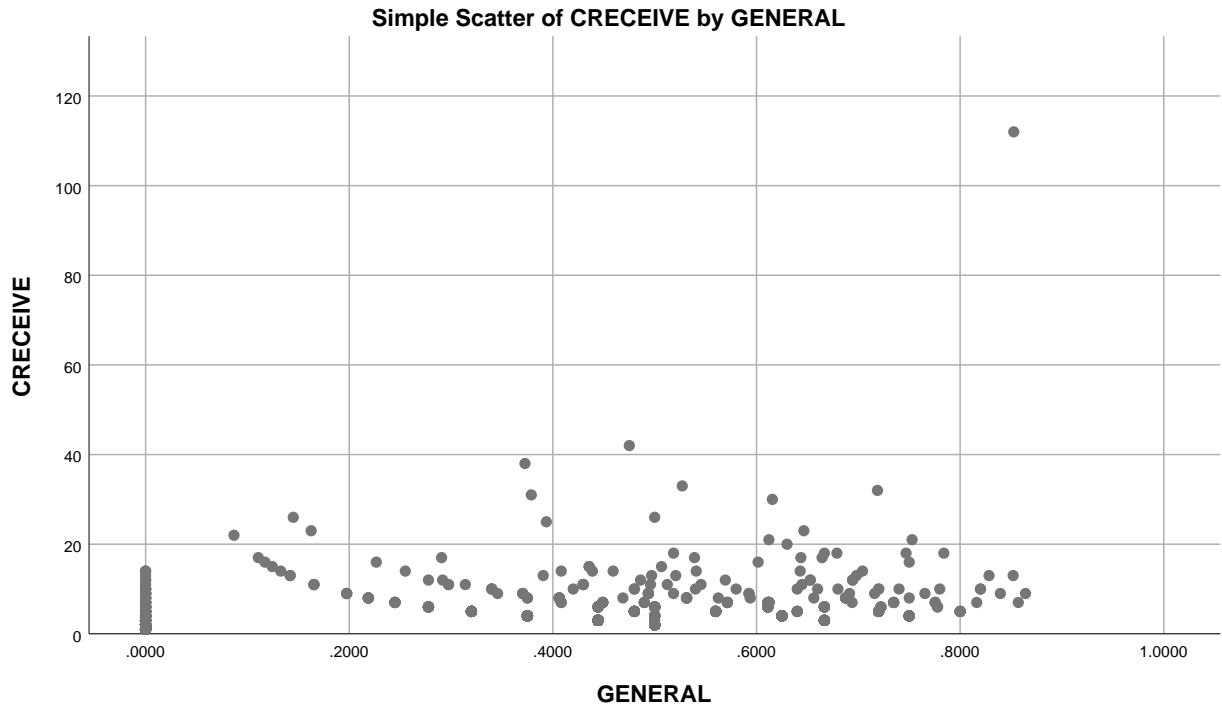
GGraph

Notes

Output Created		19-SEP-2018 21:23:57
Comments		
Input	Data	D: \SOC6100\Assignments\Assignment01\Results\Results1995to1999\Townes_SOC6100_Assignment01_Data_Sample.sav
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	N of Rows in Working Data File	2000

Notes

Syntax	<pre> GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=GENERAL CRECEIVE MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE /FITLINE TOTAL=NO. BEGIN GPL SOURCE: s=userSource (id("graphdataset")) DATA: GENERAL=col (source(s), name ("GENERAL")) DATA: CRECEIVE=col (source(s), name ("CRECEIVE")) GUIDE: axis(dim(1), label ("GENERAL")) GUIDE: axis(dim(2), label ("CRECEIVE")) GUIDE: text.title(label ("Simple Scatter of CRECEIVE by GENERAL")) ELEMENT: point(position (GENERAL*CRECEIVE)) END GPL. </pre>				
Resources	<table> <tr> <td data-bbox="357 1171 678 1213">Processor Time</td><td data-bbox="678 1171 992 1213">00:00:03.59</td></tr> <tr> <td data-bbox="357 1213 678 1257">Elapsed Time</td><td data-bbox="678 1213 992 1257">00:00:01.51</td></tr> </table>	Processor Time	00:00:03.59	Elapsed Time	00:00:01.51
Processor Time	00:00:03.59				
Elapsed Time	00:00:01.51				



* Chart Builder.

GGRAPH

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SE REPORTMISSING=NO
/GRAPHSPEC SOURCE=INLINE
/FITLINE TOTAL=NO.
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BEGIN GPL

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SOURCE: s=userSource(id("graphdataset"))
DATA: ORIGINAL=col(source(s), name("ORIGINAL"))
DATA: CRECEIVE=col(source(s), name("CRECEIVE"))
GUIDE: axis(dim(1), label("ORIGINAL"))
GUIDE: axis(dim(2), label("CRECEIVE"))
GUIDE: text.title(label("Simple Scatter of CRECEIVE by ORIGINAL"))
ELEMENT: point(position(ORIGINAL*CRECEIVE))
```

END GPL.

GGraph

Notes

Output Created		19-SEP-2018 21:24:58
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	2000
Syntax		<pre> GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=ORIGINAL CRECEIVE MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE /FITLINE TOTAL=NO. BEGIN GPL SOURCE: s=userSource (id("graphdataset")) DATA: ORIGINAL=col (source(s), name ("ORIGINAL")) DATA: CRECEIVE=col (source(s), name ("CRECEIVE")) GUIDE: axis(dim(1), label ("ORIGINAL")) GUIDE: axis(dim(2), label ("CRECEIVE")) GUIDE: text.title(label ("Simple Scatter of CRECEIVE by ORIGINAL")) ELEMENT: point(position (ORIGINAL*CRECEIVE)) END GPL. </pre>
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