

REGRESSION

```

/DESCRIPTIVES MEAN STDDEV CORR SIG N
/MISSING LISTWISE
/STATISTICS COEFF OUTS CI(95) R ANOVA COLLIN TOL CHANGE ZPP
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT AmountLifeInsurance
/METHOD=ENTER AverageAnnualIncome RiskAversionScore
/PARTIALPLOT ALL
/SCATTERPLOT=( *ZRESID , *ZPRED)
/RESIDUALS DURBIN NORMPROB(ZRESID)
/CASEWISE PLOT(ZRESID) OUTLIERS(3)
/SAVE PRED RESID ZRESID.

```

Regression

Notes

| | | |
|------------------------|---|---|
| Output Created | 12-Nov-2010 16:12:53 | |
| Comments | | |
| Input | Active Dataset | DataSet1 |
| | Filter | <none> |
| | Weight | <none> |
| | Split File | <none> |
| | N of Rows in Working Data File | 18 |
| 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. |
| Syntax | REGRESSION /DESCRIPTIVES MEAN STDDEV CORR SIG N /MISSING LISTWISE /STATISTICS COEFF OUTS CI(95) R ANOVA COLLIN TOL CHANGE ZPP /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT AmountLifeInsurance /METHOD=ENTER AverageAnnualIncome RiskAversionScore /PARTIALPLOT ALL /SCATTERPLOT=(*ZRESID , *ZPRED) /RESIDUALS DURBIN NORMPROB(ZRESID) /CASEWISE PLOT(ZRESID) OUTLIERS(3) /SAVE PRED RESID ZRESID. | |

Notes

| | | |
|-------------------------------|---|--------------------------------|
| Resources | Processor Time | 00:00:00.859 |
| | Elapsed Time | 00:00:00.891 |
| | Memory Required | 1700 bytes |
| | Additional Memory Required for Residual Plots | 1280 bytes |
| Variables Created or Modified | PRE_2 | Unstandardized Predicted Value |
| | RES_2 | Unstandardized Residual |
| | ZRE_2 | Standardized Residual |

[DataSet1]

Descriptive Statistics

| | Mean | Std. Deviation | N |
|------|---------|----------------|----|
| ALIC | 79.72 | 56.944 | 18 |
| AAI | 35.7406 | 11.11128 | 18 |
| RAS | 5.39 | 2.304 | 18 |

Correlations

| | | ALIC | AAI | RAS |
|---------------------|------|-------|-------|-------|
| Pearson Correlation | ALIC | 1.000 | .983 | .391 |
| | AAI | .983 | 1.000 | .254 |
| | RAS | .391 | .254 | 1.000 |
| Sig. (1-tailed) | ALIC | . | .000 | .054 |
| | AAI | .000 | . | .154 |
| | RAS | .054 | .154 | . |
| N | ALIC | 18 | 18 | 18 |
| | AAI | 18 | 18 | 18 |
| | RAS | 18 | 18 | 18 |

Variables Entered/Removed^b

| Model | Variables Entered | Variables Removed | Method |
|-------|-----------------------|-------------------|--------|
| 1 | RAS, AAI ^a | . | Enter |

a. All requested variables entered.

b. Dependent Variable: ALIC

Model Summary^b

| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Change Statistics | | |
|-------|-------------------|----------|-------------------|----------------------------|-------------------|----------|-----|
| | | | | | R Square Change | F Change | df1 |
| 1 | .994 ^a | .988 | .987 | 6.608 | .988 | 623.641 | 2 |

a. Predictors: (Constant), RAS, AAI

b. Dependent Variable: ALIC

Model Summary^b

| Model | Change Statistics | | Durbin-Watson |
|-------|-------------------|---------------|---------------|
| | df2 | Sig. F Change | |
| 1 | 15 | .000 | 2.147 |

b. Dependent Variable: ALIC

ANOVA^b

| Model | | Sum of Squares | df | Mean Square | F | Sig. |
|-------|------------|----------------|----|-------------|---------|-------------------|
| 1 | Regression | 54468.564 | 2 | 27234.282 | 623.641 | .000 ^a |
| | Residual | 655.047 | 15 | 43.670 | | |
| | Total | 55123.611 | 17 | | | |

a. Predictors: (Constant), RAS, AAI

b. Dependent Variable: ALIC

Coefficients^a

| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
|-------|------------|-----------------------------|------------|---------------------------|---------|------|
| | | B | Std. Error | Beta | | |
| 1 | (Constant) | -113.405 | 5.946 | | -19.074 | .000 |
| | AAI | 4.843 | .149 | .945 | 32.472 | .000 |
| | RAS | 3.715 | .719 | .150 | 5.166 | .000 |

a. Dependent Variable: ALIC

Coefficients^a

| Model | | 95.0% Confidence Interval for B | | Correlations | | |
|-------|------------|---------------------------------|-------------|--------------|---------|------|
| | | Lower Bound | Upper Bound | Zero-order | Partial | Part |
| 1 | (Constant) | -126.078 | -100.733 | | | |
| | AAI | 4.525 | 5.161 | .983 | .993 | .914 |
| | RAS | 2.182 | 5.248 | .391 | .800 | .145 |

a. Dependent Variable: ALIC

Coefficients^a

| Model | Collinearity Statistics | |
|--------------|-------------------------|-------|
| | Tolerance | VIF |
| 1 (Constant) | | |
| AAI | .935 | 1.069 |
| RAS | .935 | 1.069 |

a. Dependent Variable: ALIC

Collinearity Diagnostics^a

| Model | Dimension | Eigenvalue | Condition Index | Variance Proportions | | |
|-------|-----------|------------|-----------------|----------------------|-----|-----|
| | | | | (Constant) | AAI | RAS |
| 1 | 1 | 2.862 | 1.000 | .01 | .01 | .02 |
| | 2 | .096 | 5.460 | .07 | .19 | .95 |
| | 3 | .042 | 8.261 | .92 | .80 | .03 |

a. Dependent Variable: ALIC

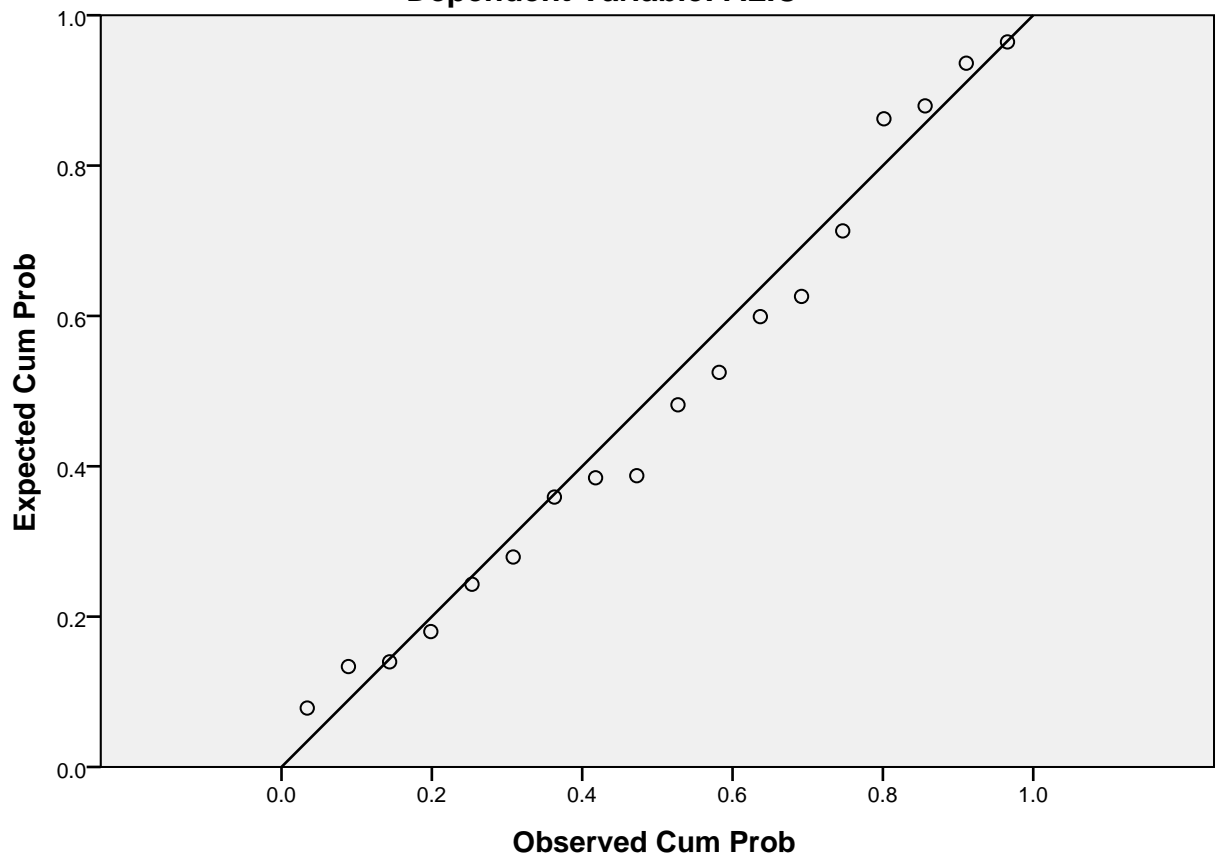
Residuals Statistics^a

| | Minimum | Maximum | Mean | Std. Deviation | N |
|----------------------|---------|---------|-------|----------------|----|
| Predicted Value | -1.93 | 182.25 | 79.72 | 56.604 | 18 |
| Residual | -9.358 | 11.932 | .000 | 6.207 | 18 |
| Std. Predicted Value | -1.443 | 1.811 | .000 | 1.000 | 18 |
| Std. Residual | -1.416 | 1.806 | .000 | .939 | 18 |

a. Dependent Variable: ALIC

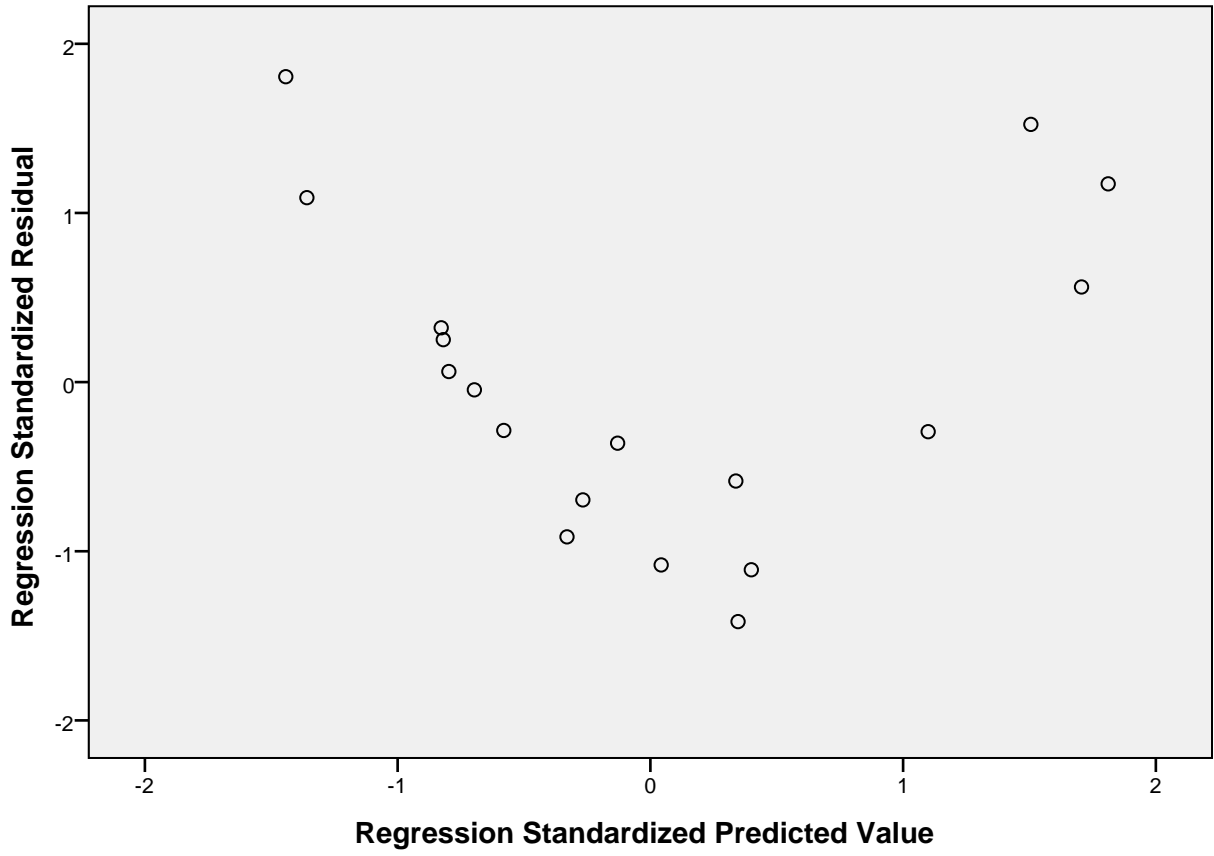
Charts

Normal P-P Plot of Regression Standardized Residual
Dependent Variable: ALIC

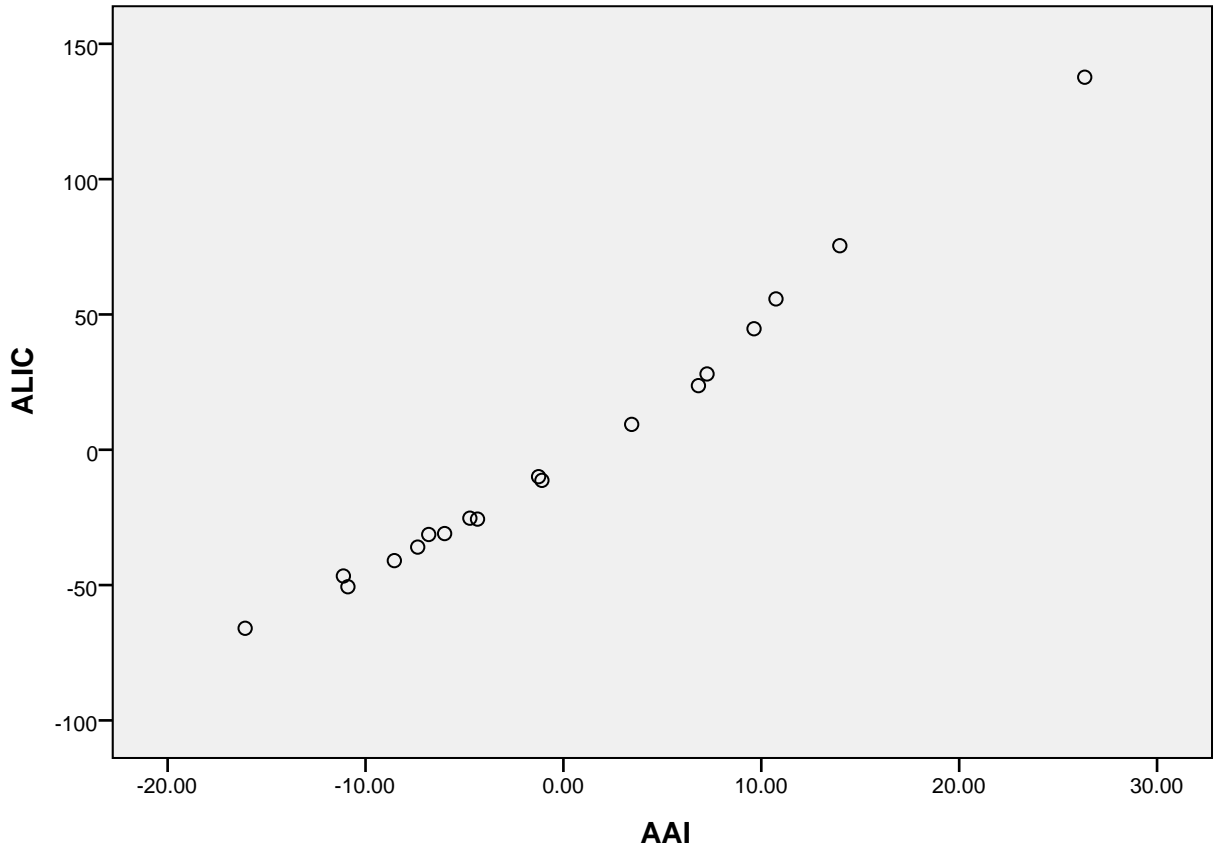


Scatterplot

Dependent Variable: ALIC



Partial Regression Plot
Dependent Variable: ALIC



Partial Regression Plot
Dependent Variable: ALIC

