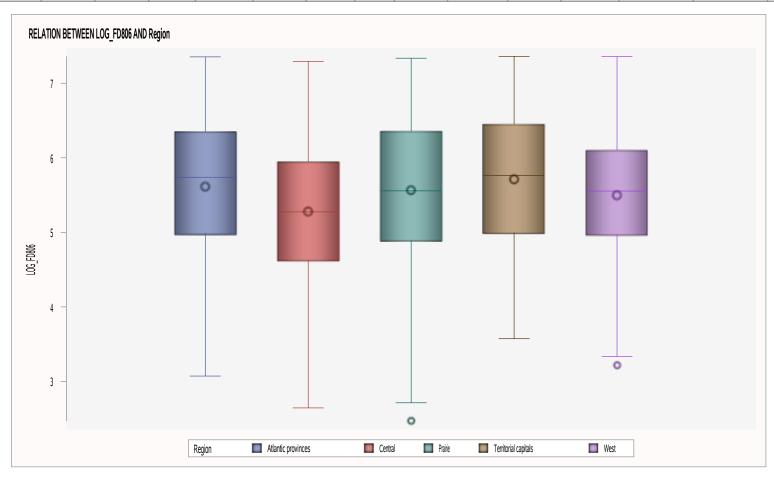
## BIVARIATE ANALYSIS OF Region AND LOG\_FD806 FOR ANA.MODEL2 RELATION BETWEEN LOG\_FD806 AND Region

#### The MEANS Procedure

|                      | Analysis Variable : LOG_FD806 |         |        |         |                   |        |      |                   |         |                   |                       |                          |                          |          |
|----------------------|-------------------------------|---------|--------|---------|-------------------|--------|------|-------------------|---------|-------------------|-----------------------|--------------------------|--------------------------|----------|
| Region               | N Obs                         | N       | N Miss | Minimum | Lower<br>Quartile | Median | Mean | Upper<br>Quartile | Maximum | Quartile<br>Range | Coeff of<br>Variation | Lower 95%<br>CL for Mean | Upper 95%<br>CL for Mean | Skewness |
| Atlantic provinces   | 629768                        | 629768  | 0      | 3.07    | 4.97              | 5.74   | 5.62 | 6.35              | 7.35    | 1.38              | 16.90                 | 5.61                     | 5.62                     | -0.41    |
| Central              | 4987062                       | 4987062 | 0      | 2.64    | 4.62              | 5.27   | 5.27 | 5.95              | 7.29    | 1.33              | 17.70                 | 5.27                     | 5.28                     | -0.07    |
| Prairie              | 1530428                       | 1530428 | 0      | 2.47    | 4.88              | 5.56   | 5.56 | 6.36              | 7.34    | 1.48              | 16.94                 | 5.56                     | 5.57                     | -0.28    |
| Territorial capitals | 11711                         | 11711   | 0      | 3.57    | 4.99              | 5.76   | 5.71 | 6.45              | 7.36    | 1.47              | 16.60                 | 5.70                     | 5.73                     | -0.28    |
| West                 | 969907                        | 969907  | 0      | 3.22    | 4.97              | 5.55   | 5.49 | 6.10              | 7.36    | 1.14              | 16.17                 | 5.49                     | 5.49                     | -0.29    |



One-way ANOVA Assumptions

In order to run a one-way ANOVA the following assumptions must be met:

1. The response of interest is continuous and normally distributed for each treatment group:

Normality test: PROC UNIVARIATE NORMAL and QQPlot for each group.

2.Treatment groups are independent of one another. Experimental units only receive one treatment, and they do not overlap.

3. There are no major outliers.

4.A check for unequal variances will help determine which version of a one-way ANOVA is most appropriate

(Levene's test, Null hypothesis: variances are equal between groups):

A .If variances are equal, then the assumptions of a standard one-way ANOVA are met.

B. If variances are unequal, then a Welch's one-way ANOVA is appropriate.

Normal Distribution?

Null hypothesis: sample has a normal distribution

CLT:

a.If it looks normal and each group have more than 30 observations

b.lf moderately skewed, each group must have more than 100 observations

\*rule of thumb: If skewness is between -1 and -0.5 or between 0.5 and 1, the distribution is moderately skewed.

\*if the sample size is over 2000, the Kolmgorov test should be used. If the sample size is less than 2000, the Shapiro test is better.

The UNIVARIATE Procedure Variable: LOG\_FD806

Freq: WeightD

Region=Atlantic provinces

| Moments       |            |                  |            |  |  |  |  |  |
|---------------|------------|------------------|------------|--|--|--|--|--|
| N             | 629768     | Sum Weights      | 629768     |  |  |  |  |  |
| Mean          | 5.61588116 | Sum Observations | 3536702.25 |  |  |  |  |  |
| Std Deviation | 0.94909276 | Variance         | 0.90077707 |  |  |  |  |  |
| Skewness      | -0.4111892 | Kurtosis         | -0.3415584 |  |  |  |  |  |

Freq: WeightD

### Region=Atlantic provinces

| Moments         |            |                |            |  |  |  |
|-----------------|------------|----------------|------------|--|--|--|
| Uncorrected SS  | 20428979.2 | Corrected SS   | 567279.674 |  |  |  |
| Coeff Variation | 16.9001575 | Std Error Mean | 0.00119596 |  |  |  |

| Basic Statistical Measures |          |                     |         |  |  |  |  |
|----------------------------|----------|---------------------|---------|--|--|--|--|
| Location Variability       |          |                     |         |  |  |  |  |
| Mean                       | 5.615881 | Std Deviation       | 0.94909 |  |  |  |  |
| Median                     | 5.738828 | Variance            | 0.90078 |  |  |  |  |
| Mode                       | 4.333099 | Range               | 4.28184 |  |  |  |  |
|                            |          | Interquartile Range | 1.37771 |  |  |  |  |

| Tests for Location: Mu0=0 |    |          |          |        |  |  |
|---------------------------|----|----------|----------|--------|--|--|
| Test                      | St | atistic  | p Value  |        |  |  |
| Student's t               | t  | 4695.691 | Pr >  t  | <.0001 |  |  |
| Sign                      | М  | 314884   | Pr >=  M | <.0001 |  |  |
| Signed Rank               | S  | 9.915E10 | Pr >=  S | <.0001 |  |  |

| Tests for Normality |                   |          |           |         |  |  |
|---------------------|-------------------|----------|-----------|---------|--|--|
| Test                | Statistic p Value |          |           |         |  |  |
| Kolmogorov-Smirnov  | D                 | 0.052851 | Pr > D    | <0.0100 |  |  |
| Cramer-von Mises    | W-Sq              | 365.0699 | Pr > W-Sq | <0.0050 |  |  |
| Anderson-Darling    | A-Sq              | 2531.387 | Pr > A-Sq | <0.0050 |  |  |

Freq: WeightD

### Region=Atlantic provinces

| Quantiles (D | Definition 5) |
|--------------|---------------|
| Level        | Quantile      |
| 100% Max     | 7.35361       |
| 99%          | 7.32214       |
| 95%          | 7.03277       |
| 90%          | 6.73863       |
| 75% Q3       | 6.35141       |
| 50% Median   | 5.73883       |
| 25% Q1       | 4.97369       |
| 10%          | 4.32665       |
| 5%           | 3.89182       |
| 1%           | 3.25810       |
| 0% Min       | 3.07177       |

| Extreme Observations |      |     |                 |      |     |  |  |
|----------------------|------|-----|-----------------|------|-----|--|--|
| Lowest               |      |     | Highest         |      |     |  |  |
| Value                | Freq | Obs | s Value Freq Ot |      |     |  |  |
| 3.07177              | 840  | 331 | 7.34003         | 776  | 205 |  |  |
| 3.07177              | 347  | 241 | 7.34357         | 669  | 35  |  |  |
| 3.15274              | 132  | 176 | 7.35014         | 1360 | 634 |  |  |
| 3.21165              | 209  | 688 | 7.35109         | 759  | 717 |  |  |
| 3.21727              | 186  | 527 | 7.35361         | 491  | 226 |  |  |

Freq: WeightD

### Region=Central

| Moments         |            |                  |            |  |  |  |  |
|-----------------|------------|------------------|------------|--|--|--|--|
| N               | 4987062    | Sum Weights      | 4987062    |  |  |  |  |
| Mean            | 5.27439207 | Sum Observations | 26303720.3 |  |  |  |  |
| Std Deviation   | 0.93379405 | Variance         | 0.87197133 |  |  |  |  |
| Skewness        | -0.0677122 | Kurtosis         | -0.5844914 |  |  |  |  |
| Uncorrected SS  | 143084708  | Corrected SS     | 4348574.21 |  |  |  |  |
| Coeff Variation | 17.7042973 | Std Error Mean   | 0.00041815 |  |  |  |  |

| Basic Statistical Measures |          |                     |         |  |  |  |  |
|----------------------------|----------|---------------------|---------|--|--|--|--|
| Loc                        | ation    | Variability         |         |  |  |  |  |
| Mean                       | 5.274392 | Std Deviation       | 0.93379 |  |  |  |  |
| Median                     | 5.273820 | Variance            | 0.87197 |  |  |  |  |
| Mode                       | 4.276944 | Range               | 4.64785 |  |  |  |  |
|                            |          | Interquartile Range | 1.33043 |  |  |  |  |

| Tests for Location: Mu0=0 |    |          |          |        |  |  |
|---------------------------|----|----------|----------|--------|--|--|
| Test                      | St | atistic  | p Value  |        |  |  |
| Student's t               | t  | 12613.73 | Pr >  t  | <.0001 |  |  |
| Sign                      | М  | 2493531  | Pr >=  M | <.0001 |  |  |
| Signed Rank               | s  | 6.218E12 | Pr >=  S | <.0001 |  |  |

Freq: WeightD

### Region=Central

| Tests for Normality |                   |          |           |         |  |  |
|---------------------|-------------------|----------|-----------|---------|--|--|
| Test                | Statistic p Value |          |           |         |  |  |
| Kolmogorov-Smirnov  | D                 | 0.039316 | Pr > D    | <0.0100 |  |  |
| Cramer-von Mises    | W-Sq              | 1237.889 | Pr > W-Sq | <0.0050 |  |  |
| Anderson-Darling    | A-Sq              | 9225.814 | Pr > A-Sq | <0.0050 |  |  |

| Quantiles (Definition 5) |          |  |  |  |
|--------------------------|----------|--|--|--|
| Level                    | Quantile |  |  |  |
| 100% Max                 | 7.29261  |  |  |  |
| 99%                      | 7.17749  |  |  |  |
| 95%                      | 6.80870  |  |  |  |
| 90%                      | 6.51514  |  |  |  |
| 75% Q3                   | 5.94694  |  |  |  |
| 50% Median               | 5.27382  |  |  |  |
| 25% Q1                   | 4.61651  |  |  |  |
| 10%                      | 3.99046  |  |  |  |
| 5%                       | 3.87287  |  |  |  |
| 1%                       | 3.27790  |  |  |  |
| 0% Min                   | 2.64476  |  |  |  |

Freq: WeightD

### Region=Central

| Extreme Observations |       |      |         |       |      |
|----------------------|-------|------|---------|-------|------|
| Lowest               |       |      | Highest |       |      |
| Value                | Freq  | Obs  | Value   | Freq  | Obs  |
| 2.64476              | 15313 | 1259 | 7.23335 | 5785  | 1060 |
| 3.02237              | 4062  | 1240 | 7.24642 | 6213  | 1146 |
| 3.03495              | 8060  | 1283 | 7.25157 | 2957  | 888  |
| 3.05777              | 7665  | 1297 | 7.28909 | 12702 | 903  |
| 3.27790              | 16121 | 1013 | 7.29261 | 12196 | 792  |

### The UNIVARIATE Procedure Variable: LOG\_FD806

Freq: WeightD

#### Region=Prairie

| Moments         |            |                  |            |  |  |
|-----------------|------------|------------------|------------|--|--|
| N               | 1530428    | 1530428          |            |  |  |
| Mean            | 5.56479741 | Sum Observations | 8516521.77 |  |  |
| Std Deviation   | 0.94258654 | Variance         | 0.88846939 |  |  |
| Skewness        | -0.2784877 | Kurtosis         | -0.4230712 |  |  |
| Uncorrected SS  | 48752455.8 | Corrected SS     | 1359737.54 |  |  |
| Coeff Variation | 16.9383802 | Std Error Mean   | 0.00076193 |  |  |

Freq: WeightD

### Region=Prairie

|                      | Basic Statistical Measures |                     |         |  |  |
|----------------------|----------------------------|---------------------|---------|--|--|
| Location Variability |                            |                     |         |  |  |
| Mean                 | 5.564797                   | Std Deviation       | 0.94259 |  |  |
| Median               | 5.555901                   | Variance            | 0.88847 |  |  |
| Mode                 | 6.439478                   | Range               | 4.86516 |  |  |
|                      |                            | Interquartile Range | 1.47808 |  |  |

| Tests for Location: Mu0=0 |                   |          |          |        |  |
|---------------------------|-------------------|----------|----------|--------|--|
| Test                      | Statistic p Value |          |          |        |  |
| Student's t               | t 7303.56         |          | Pr >  t  | <.0001 |  |
| Sign                      | M 765214          |          | Pr >=  M | <.0001 |  |
| Signed Rank               | S                 | 5.856E11 | Pr >=  S | <.0001 |  |

| Tests for Normality    |      |          |           |         |  |
|------------------------|------|----------|-----------|---------|--|
| Test Statistic p Value |      |          |           |         |  |
| Kolmogorov-Smirnov     | D    | 0.053018 | Pr > D    | <0.0100 |  |
| Cramer-von Mises       | W-Sq | 637.2333 | Pr > W-Sq | <0.0050 |  |
| Anderson-Darling       | A-Sq | 4755.851 | Pr > A-Sq | <0.0050 |  |

| Quantiles (Definition 5) |          |  |  |  |
|--------------------------|----------|--|--|--|
| Level                    | Quantile |  |  |  |
| 100% Max                 | 7.33580  |  |  |  |
| 99%                      | 7.30953  |  |  |  |
| 95%                      | 7.06397  |  |  |  |
| 90%                      | 6.73285  |  |  |  |

Freq: WeightD

### Region=Prairie

| Quantiles (Definition 5) |          |  |  |  |
|--------------------------|----------|--|--|--|
| Level                    | Quantile |  |  |  |
| 75% Q3                   | 6.35580  |  |  |  |
| 50% Median               | 5.55590  |  |  |  |
| 25% Q1                   | 4.87771  |  |  |  |
| 10%                      | 4.32968  |  |  |  |
| 5%                       | 4.01241  |  |  |  |
| 1%                       | 3.38608  |  |  |  |
| 0% Min                   | 2.47064  |  |  |  |

| Extreme Observations |      |      |         |      |      |
|----------------------|------|------|---------|------|------|
| Lowest               |      |      | Highest |      |      |
| Value                | Freq | Obs  | Value   | Freq | Obs  |
| 2.47064              | 3940 | 1853 | 7.27891 | 505  | 1585 |
| 2.71337              | 1520 | 1916 | 7.30361 | 5912 | 1353 |
| 3.08374              | 1372 | 1347 | 7.30953 | 8411 | 1436 |
| 3.08374              | 3250 | 1321 | 7.32095 | 5649 | 1694 |
| 3.10727              | 381  | 1617 | 7.33580 | 1566 | 1781 |

Freq: WeightD

### Region=Territorial capitals

| Moments         |            |                   |            |  |  |
|-----------------|------------|-------------------|------------|--|--|
| N               | 11711      | 11711 Sum Weights |            |  |  |
| Mean            | 5.71392282 | Sum Observations  | 66915.7502 |  |  |
| Std Deviation   | 0.94859878 | Variance          | 0.89983964 |  |  |
| Skewness        | -0.2810241 | Kurtosis          | -0.9449775 |  |  |
| Uncorrected SS  | 392888.554 | Corrected SS      | 10537.1222 |  |  |
| Coeff Variation | 16.6015329 | Std Error Mean    | 0.00876568 |  |  |

| Basic Statistical Measures |          |                     |         |  |
|----------------------------|----------|---------------------|---------|--|
| Location Variability       |          |                     |         |  |
| Mean                       | 5.713923 | Std Deviation       | 0.94860 |  |
| Median                     | 5.759879 | Variance            | 0.89984 |  |
| Mode                       | 4.574092 | Range               | 3.78783 |  |
|                            |          | Interquartile Range | 1.46558 |  |

| Tests for Location: Mu0=0 |                   |          |          |        |  |
|---------------------------|-------------------|----------|----------|--------|--|
| Test                      | Statistic p Value |          |          |        |  |
| Student's t               | t 651.8517        |          | Pr >  t  | <.0001 |  |
| Sign                      | М                 | 5855.5   | Pr >=  M | <.0001 |  |
| Signed Rank               | s                 | 34289808 | Pr >=  S | <.0001 |  |

Freq: WeightD

### Region=Territorial capitals

| Tests for Normality |                   |          |           |         |  |
|---------------------|-------------------|----------|-----------|---------|--|
| Test                | Statistic p Value |          |           |         |  |
| Kolmogorov-Smirnov  | D                 | 0.082104 | Pr > D    | <0.0100 |  |
| Cramer-von Mises    | W-Sq              | 16.42393 | Pr > W-Sq | <0.0050 |  |
| Anderson-Darling    | A-Sq              | 115.1312 | Pr > A-Sq | <0.0050 |  |

| Quantiles (Definition 5) |  |  |  |
|--------------------------|--|--|--|
| Quantile                 |  |  |  |
| 7.36074                  |  |  |  |
| 7.30971                  |  |  |  |
| 7.08256                  |  |  |  |
| 6.93674                  |  |  |  |
| 6.45063                  |  |  |  |
| 5.75988                  |  |  |  |
| 4.98504                  |  |  |  |
| 4.25135                  |  |  |  |
| 4.13772                  |  |  |  |
| 3.78328                  |  |  |  |
| 3.57291                  |  |  |  |
|                          |  |  |  |

Freq: WeightD

#### Region=Territorial capitals

| Extreme Observations |      |      |         |      |      |
|----------------------|------|------|---------|------|------|
| Lowest               |      |      | Highest |      |      |
| Value                | Freq | Obs  | Value   | Freq | Obs  |
| 3.57291              | 18   | 2074 | 7.27783 | 46   | 2131 |
| 3.78328              | 115  | 2058 | 7.28773 | 45   | 2096 |
| 3.85757              | 157  | 2064 | 7.30971 | 58   | 2104 |
| 3.91562              | 58   | 2130 | 7.32818 | 59   | 1964 |
| 3.94119              | 33   | 2065 | 7.36074 | 43   | 2084 |

### The UNIVARIATE Procedure Variable: LOG\_FD806

Freq: WeightD

#### Region=West

| Moments         |            |                  |            |  |  |
|-----------------|------------|------------------|------------|--|--|
| N               | 969907     | Sum Weights      | 969907     |  |  |
| Mean            | 5.49258536 | Sum Observations | 5327296.99 |  |  |
| Std Deviation   | 0.88839624 | Variance         | 0.78924789 |  |  |
| Skewness        | -0.2858383 | Kurtosis         | -0.3704013 |  |  |
| Uncorrected SS  | 30026129.7 | Corrected SS     | 765496.26  |  |  |
| Coeff Variation | 16.174464  | Std Error Mean   | 0.00090207 |  |  |

Freq: WeightD

### Region=West

|                      | Basic Statistical Measures |                     |         |  |  |
|----------------------|----------------------------|---------------------|---------|--|--|
| Location Variability |                            |                     |         |  |  |
| Mean                 | 5.492585                   | Std Deviation       | 0.88840 |  |  |
| Median               | 5.553541                   | Variance            | 0.78925 |  |  |
| Mode                 | 6.246301                   | Range               | 4.14116 |  |  |
|                      |                            | Interquartile Range | 1.13596 |  |  |

| Tests for Location: Mu0=0 |                   |          |          |        |  |
|---------------------------|-------------------|----------|----------|--------|--|
| Test                      | Statistic p Value |          |          |        |  |
| Student's t               | t 6088.848        |          | Pr >  t  | <.0001 |  |
| Sign                      | М                 | 484953.5 | Pr >=  M | <.0001 |  |
| Signed Rank               | S                 | 2.352E11 | Pr >=  S | <.0001 |  |

| Tests for Normality |                   |          |           |         |  |
|---------------------|-------------------|----------|-----------|---------|--|
| Test                | Statistic p Value |          |           |         |  |
| Kolmogorov-Smirnov  | D                 | 0.051237 | Pr > D    | <0.0100 |  |
| Cramer-von Mises    | W-Sq              | 491.1901 | Pr > W-Sq | <0.0050 |  |
| Anderson-Darling    | A-Sq              | 3618.11  | Pr > A-Sq | <0.0050 |  |

| Quantiles (Definition 5) |          |  |  |
|--------------------------|----------|--|--|
| Level                    | Quantile |  |  |
| 100% Max                 | 7.35843  |  |  |
| 99%                      | 7.20510  |  |  |
| 95%                      | 7.04319  |  |  |
| 90%                      | 6.60932  |  |  |

Freq: WeightD

### Region=West

| Quantiles (Definition 5) |          |  |
|--------------------------|----------|--|
| Level                    | Quantile |  |
| 75% Q3                   | 6.10216  |  |
| 50% Median               | 5.55354  |  |
| 25% Q1                   | 4.96620  |  |
| 10%                      | 4.14804  |  |
| 5%                       | 3.87867  |  |
| 1%                       | 3.36246  |  |
| 0% Min                   | 3.21727  |  |

| Extreme Observations |      |      |         |      |      |
|----------------------|------|------|---------|------|------|
| Lowest               |      |      | Highest |      |      |
| Value                | Freq | Obs  | Value   | Freq | Obs  |
| 3.21727              | 1553 | 2301 | 7.10462 | 9539 | 2207 |
| 3.33220              | 6907 | 2300 | 7.19090 | 3791 | 2255 |
| 3.36246              | 3183 | 2272 | 7.20510 | 5467 | 2235 |
| 3.44042              | 4303 | 2210 | 7.21127 | 1683 | 2307 |
| 3.63627              | 3779 | 2260 | 7.35843 | 4907 | 2170 |

Null hypothesis: equal variances

a.If variances are equal, then a pooled t-test is appropriate

b.lf variances are unequal, then a Satterthwaite (also known as Welch's) test is appropriate

#### The GLM Procedure

| Class Level Information |        |                                                              |  |  |
|-------------------------|--------|--------------------------------------------------------------|--|--|
| Class                   | Levels | Values                                                       |  |  |
| Region                  | 5      | Atlantic provinces Central Prairie Territorial capitals West |  |  |

| Number of Observations Read | 2327    |
|-----------------------------|---------|
| Number of Observations Used | 2327    |
| Sum of Frequencies Read     | 8128876 |
| Sum of Frequencies Used     | 8128876 |

### The GLM Procedure

Dependent Variable: LOG\_FD806

Frequency: WeightD

Source

Model

Error

Sum of DF Squares Mean Square F Value **Pr > F** 156486.214 45098.0 39121.553 <.0001 4 8.13E6 7051624.800 0.867 8.13E6 7208111.014 **Corrected Total** 

| R-Square | Coeff Var | Root MSE | LOG_FD806 Mean |
|----------|-----------|----------|----------------|
| 0.021710 | 17.30495  | 0.931386 | 5.382190       |

| Source | DF | Type I SS   | Mean Square | F Value | Pr > F |
|--------|----|-------------|-------------|---------|--------|
| Region | 4  | 156486.2138 | 39121.5534  | 45098.0 | <.0001 |

| Source | DF | Type III SS | Mean Square | F Value | Pr > F |
|--------|----|-------------|-------------|---------|--------|
| Region | 4  | 156486.2138 | 39121.5534  | 45098.0 | <.0001 |

#### The GLM Procedure

|           | Levene's Test for Homogeneity of LOG_FD806 Variance<br>ANOVA of Absolute Deviations from Group Means |                   |                |         |        |  |  |
|-----------|------------------------------------------------------------------------------------------------------|-------------------|----------------|---------|--------|--|--|
| Source DF |                                                                                                      | Sum of<br>Squares | Mean<br>Square | F Value | Pr > F |  |  |
| Region    | 4                                                                                                    | 3169.5            | 792.4          | 2785.20 | <.0001 |  |  |
| Error     | 8.13E6                                                                                               | 2312645           | 0.2845         |         |        |  |  |

| Welch  | Welch's ANOVA for LOG_FD806 |         |        |  |  |  |
|--------|-----------------------------|---------|--------|--|--|--|
| Source | DF                          | F Value | Pr > F |  |  |  |
| Region | 4.0000                      | 44621.4 | <.0001 |  |  |  |
| Error  | 91152.3                     |         |        |  |  |  |

### The GLM Procedure

|                      |         | LOG_FD806  |            |  |
|----------------------|---------|------------|------------|--|
| Level of<br>Region   | N       | Mean       | Std Dev    |  |
| Atlantic provinces   | 629768  | 5.61588116 | 0.94909276 |  |
| Central              | 4987062 | 5.27439207 | 0.93379405 |  |
| Prairie              | 1530428 | 5.56479741 | 0.94258654 |  |
| Territorial capitals | 11711   | 5.71392282 | 0.94859878 |  |
| West                 | 969907  | 5.49258536 | 0.88839624 |  |

## The GLM Procedure Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer

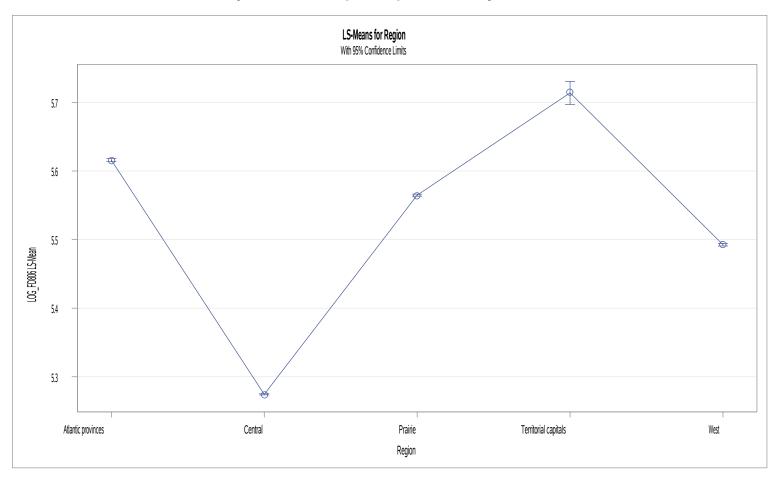
| Region             | LOG_FD806<br>LSMEAN | LSMEAN<br>Number |
|--------------------|---------------------|------------------|
| Atlantic provinces | 5.61588116          | 1                |
| Central            | 5.27439207          | 2                |
| Prairie            | 5.56479741          | 3                |

# The GLM Procedure Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer

| Region               | LOG_FD806<br>LSMEAN | LSMEAN<br>Number |
|----------------------|---------------------|------------------|
| Territorial capitals | 5.71392282          | 4                |
| West                 | 5.49258536          | 5                |

| L   | Least Squares Means for effect Region<br>Pr >  t  for H0: LSMean(i)=LSMean(j)<br>Dependent Variable: LOG_FD806 |        |        |        |        |  |  |
|-----|----------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--|--|
| i/j | i/j 1 2 3 4 5                                                                                                  |        |        |        |        |  |  |
| 1   |                                                                                                                | <.0001 | <.0001 | <.0001 | <.0001 |  |  |
| 2   | <.0001                                                                                                         |        | <.0001 | <.0001 | <.0001 |  |  |
| 3   | <.0001                                                                                                         | <.0001 |        | <.0001 | <.0001 |  |  |
| 4   | <.0001                                                                                                         | <.0001 | <.0001 |        | <.0001 |  |  |
| 5   | <.0001                                                                                                         | <.0001 | <.0001 | <.0001 |        |  |  |

# The GLM Procedure Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer



### The GLM Procedure Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer

