

### Used MOB Cohort A Prepayment

The REG Procedure  
 Model: MODEL1  
 Dependent Variable: PP\_Used\_MOB\_A PP\_Used\_MOB\_A

|  |     |
|--|-----|
| Number of Observations Read                | 219 |
| Number of Observations Used                | 143 |
| Number of Observations with Missing Values | 76  |

#### Stepwise Selection: Step 0

First 11 Vars Entered: R-Square = 0.2797 and C(p) = 240.7390

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 11  | 0.01607        | 0.00146     | 4.62    | <.0001 |
| Error                | 131 | 0.04139        | 0.00031597  |         |        |
| Corrected Total      | 142 | 0.05746        |             |         |        |

| Variable                                       | Parameter Estimate | Standard Error | Type II SS  | F Value | Pr > F |
|--|--------------------|----------------|-------------|---------|--------|
| Intercept                                      | 0.15514            | 0.00513        | 0.28882     | 914.08  | <.0001 |
| * Feb  | 0.00069984         | 0.00726        | 0.00000294  | 0.01    | 0.9233 |
| * Mar  | 0.03286            | 0.00726        | 0.00648     | 20.51   | <.0001 |
| * Apr  | 0.02174            | 0.00742        | 0.00271     | 8.59    | 0.0040 |
| * May  | 0.01814            | 0.00726        | 0.00197     | 6.25    | 0.0137 |
| * June   | 0.01629            | 0.00726        | 0.00159     | 5.04    | 0.0265 |
| * July   | 0.01848            | 0.00726        | 0.00205     | 6.48    | 0.0121 |
| * Aug  | 0.02172            | 0.00726        | 0.00283     | 8.96    | 0.0033 |
| * Sept   | 0.00783            | 0.00726        | 0.00036750  | 1.16    | 0.2828 |
| * Oct  | 0.01270            | 0.00726        | 0.00096741  | 3.06    | 0.0825 |
| * Nov  | -0.00175           | 0.00726        | 0.00001839  | 0.06    | 0.8097 |
| * Dec  | -0.00012247        | 0.00726        | 8.998794E-8 | 0.00    | 0.9866 |
| * Forced into the model by the INCLUDE= option |                    |                |             |         |        |

Bounds on condition number: 1.8322, 221

#### Stepwise Selection: Step 1

Variable LT\_VHL\_SALES\_US\_a2 Entered: R-Square = 0.6982 and C(p) = 33.7146

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 12  | 0.04012        | 0.00334     | 25.06   | <.0001 |
| Error                | 130 | 0.01734        | 0.00013339  |         |        |
|                      |     |                |             |         |        |

|                        |     |         |  |  |  |
|------------------------|-----|---------|--|--|--|
| <b>Corrected Total</b> | 142 | 0.05746 |  |  |  |
|------------------------|-----|---------|--|--|--|

|  | Variable                  | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|---------------------------|--------------------|----------------|------------|---------|--------|
|  | <b>Intercept</b>          | 0.07498            | 0.00684        | 0.01604    | 120.27  | <.0001 |
| *  | <b>Feb</b>                | 0.00088620         | 0.00472        | 0.00000471 | 0.04    | 0.8512 |
| *  | <b>Mar</b>                | 0.03304            | 0.00472        | 0.00655    | 49.11   | <.0001 |
| *  | <b>Apr</b>                | 0.02293            | 0.00482        | 0.00302    | 22.62   | <.0001 |
| *  | <b>May</b>                | 0.01830            | 0.00472        | 0.00201    | 15.06   | 0.0002 |
| *  | <b>June</b>               | 0.01668            | 0.00472        | 0.00167    | 12.51   | 0.0006 |
| *  | <b>July</b>               | 0.01888            | 0.00472        | 0.00214    | 16.04   | 0.0001 |
| *  | <b>Aug</b>                | 0.02170            | 0.00472        | 0.00283    | 21.19   | <.0001 |
| *  | <b>Sept</b>               | 0.00719            | 0.00472        | 0.00031047 | 2.33    | 0.1295 |
| *  | <b>Oct</b>                | 0.01168            | 0.00472        | 0.00081845 | 6.14    | 0.0145 |
| *  | <b>Nov</b>                | -0.00264           | 0.00472        | 0.00004174 | 0.31    | 0.5769 |
| *  | <b>Dec</b>                | -0.00055951        | 0.00472        | 0.00000188 | 0.01    | 0.9057 |
|  | <b>LT_VHL_SALES_US_a2</b> | 0.00538            | 0.00040087     | 0.02405    | 180.30  | <.0001 |
| * Forced into the model by the INCLUDE= option |                           |                    |                |            |         |        |

Bounds on condition number: 1.8326, 253.14

Stepwise Selection: Step 2

Variable CONS\_CONFIDENCE\_US\_a4 Entered: R-Square = 0.7144 and C(p) = 27.6528

| Analysis of Variance   |     |                |             |         |        |
|------------------------|-----|----------------|-------------|---------|--------|
| Source                 | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| <b>Model</b>           | 13  | 0.04105        | 0.00316     | 24.82   | <.0001 |
| <b>Error</b>           | 129 | 0.01641        | 0.00012724  |         |        |
| <b>Corrected Total</b> | 142 | 0.05746        |             |         |        |

|  | Variable                     | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|------------------------------|--------------------|----------------|------------|---------|--------|
|  | <b>Intercept</b>             | 0.08596            | 0.00782        | 0.01538    | 120.89  | <.0001 |
| *  | <b>Feb</b>                   | 0.00094229         | 0.00461        | 0.00000533 | 0.04    | 0.8382 |
| *  | <b>Mar</b>                   | 0.03314            | 0.00461        | 0.00659    | 51.78   | <.0001 |
| *  | <b>Apr</b>                   | 0.02348            | 0.00471        | 0.00316    | 24.81   | <.0001 |
| *  | <b>May</b>                   | 0.01854            | 0.00461        | 0.00206    | 16.21   | <.0001 |
| *  | <b>June</b>                  | 0.01662            | 0.00461        | 0.00166    | 13.02   | 0.0004 |
| *  | <b>July</b>                  | 0.01874            | 0.00461        | 0.00211    | 16.56   | <.0001 |
| *  | <b>Aug</b>                   | 0.02174            | 0.00461        | 0.00284    | 22.28   | <.0001 |
| *  | <b>Sept</b>                  | 0.00747            | 0.00461        | 0.00033461 | 2.63    | 0.1073 |
| *  | <b>Oct</b>                   | 0.01204            | 0.00461        | 0.00086933 | 6.83    | 0.0100 |
| *  | <b>Nov</b>                   | -0.00240           | 0.00461        | 0.00003448 | 0.27    | 0.6036 |
| *  | <b>Dec</b>                   | -0.00049559        | 0.00461        | 0.00000147 | 0.01    | 0.9145 |
|  | <b>CONS_CONFIDENCE_US_a4</b> | 0.00021913         | 0.00008116     | 0.00092759 | 7.29    | 0.0079 |
|  | <b>LT_VHL_SALES_US_a2</b>    | 0.00345            | 0.00081529     | 0.00228    | 17.93   | <.0001 |
| * Forced into the model by the INCLUDE= option |                              |                    |                |            |         |        |

Bounds on condition number: 4.3472, 374.31

Stepwise Selection: Step 3

Variable LN\_OIL\_P\_INX\_US Entered: R-Square = 0.7368 and C(p) = 18.4244

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 14  | 0.04234        | 0.00302     | 25.60   | <.0001 |
| Error                | 128 | 0.01512        | 0.00011814  |         |        |
| Corrected Total      | 142 | 0.05746        |             |         |        |

| Variable                                       | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|--------------------|----------------|------------|---------|--------|
| Intercept                                      | 0.04189            | 0.01531        | 0.00088468 | 7.49    | 0.0071 |
| * Feb  | 0.00087895         | 0.00444        | 0.00000464 | 0.04    | 0.8433 |
| * Mar  | 0.03273            | 0.00444        | 0.00642    | 54.36   | <.0001 |
| * Apr  | 0.02285            | 0.00455        | 0.00299    | 25.28   | <.0001 |
| * May  | 0.01752            | 0.00445        | 0.00183    | 15.51   | 0.0001 |
| * June   | 0.01538            | 0.00445        | 0.00141    | 11.94   | 0.0007 |
| * July   | 0.01756            | 0.00445        | 0.00184    | 15.55   | 0.0001 |
| * Aug  | 0.02076            | 0.00445        | 0.00257    | 21.79   | <.0001 |
| * Sept   | 0.00671            | 0.00444        | 0.00026912 | 2.28    | 0.1337 |
| * Oct  | 0.01148            | 0.00444        | 0.00078895 | 6.68    | 0.0109 |
| * Nov  | -0.00275           | 0.00444        | 0.00004521 | 0.38    | 0.5373 |
| * Dec  | -0.00063154        | 0.00444        | 0.00000239 | 0.02    | 0.8871 |
| CONS_CONFIDENCE_US_a4                          | 0.00032652         | 0.00008468     | 0.00176    | 14.87   | 0.0002 |
| LN_OIL_P_INX_US                                | 0.01017            | 0.00308        | 0.00129    | 10.94   | 0.0012 |
| LT_VHL_SALES_US_a2                             | 0.00291            | 0.00080238     | 0.00156    | 13.17   | 0.0004 |
| * Forced into the model by the INCLUDE= option |                    |                |            |         |        |

Bounds on condition number: 5.0969, 435.18

Stepwise Selection: Step 4

Variable CREDIT\_CHGOFF\_US\_a4 Entered: R-Square = 0.7559 and C(p) = 10.8937

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 15  | 0.04344        | 0.00290     | 26.22   | <.0001 |
| Error                | 127 | 0.01403        | 0.00011043  |         |        |
| Corrected Total      | 142 | 0.05746        |             |         |        |

| Variable  | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|-----------|--------------------|----------------|------------|---------|--------|
| Intercept | 0.08757            | 0.02072        | 0.00197    | 17.87   | <.0001 |
| * Feb     | 0.00077522         | 0.00429        | 0.00000361 | 0.03    | 0.8569 |

|  |                       |             |            |            |       |        |
|--|-----------------------|-------------|------------|------------|-------|--------|
| *  | Mar                   | 0.03263     | 0.00429    | 0.00638    | 57.79 | <.0001 |
| *  | Apr                   | 0.02276     | 0.00440    | 0.00296    | 26.83 | <.0001 |
| *  | May                   | 0.01763     | 0.00430    | 0.00185    | 16.80 | <.0001 |
| *  | June                  | 0.01514     | 0.00431    | 0.00136    | 12.36 | 0.0006 |
| *  | July                  | 0.01721     | 0.00431    | 0.00176    | 15.97 | 0.0001 |
| *  | Aug                   | 0.02064     | 0.00430    | 0.00254    | 23.03 | <.0001 |
| *  | Sept                  | 0.00695     | 0.00430    | 0.00028842 | 2.61  | 0.1086 |
| *  | Oct                   | 0.01195     | 0.00430    | 0.00085364 | 7.73  | 0.0063 |
| *  | Nov                   | -0.00232    | 0.00429    | 0.00003213 | 0.29  | 0.5906 |
| *  | Dec                   | -0.00041235 | 0.00429    | 0.00000102 | 0.01  | 0.9236 |
|  | CONS_CONFIDENCE_US_a4 | 0.00037240  | 0.00008315 | 0.00221    | 20.06 | <.0001 |
|  | LN_OIL_P_INX_US       | 0.00976     | 0.00298    | 0.00119    | 10.76 | 0.0013 |
|  | LT_VHL_SALES_US_a2    | 0.00049842  | 0.00109    | 0.00002308 | 0.21  | 0.6483 |
|  | CREDIT_CHGOFF_US_a4   | -0.00242    | 0.00076713 | 0.00110    | 9.93  | 0.0020 |
| * Forced into the model by the INCLUDE= option |                       |             |            |            |       |        |

Bounds on condition number: 8.9516, 595.93

#### Stepwise Selection: Step 5

Variable LT\_VHL\_SALES\_US\_a2 Removed: R-Square = 0.7555 and C(p) = 9.0943

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 14  | 0.04341        | 0.00310     | 28.25   | <.0001 |
| Error                | 128 | 0.01405        | 0.00010975  |         |        |
| Corrected Total      | 142 | 0.05746        |             |         |        |

| Variable                                       | Parameter Estimate | Standard Error | Type III SS | F Value | Pr > F |
|--|--------------------|----------------|-------------|---------|--------|
| Intercept                                      | 0.09326            | 0.01651        | 0.00350     | 31.92   | <.0001 |
| * Feb  | 0.00076690         | 0.00428        | 0.00000353  | 0.03    | 0.8580 |
| * Mar  | 0.03262            | 0.00428        | 0.00638     | 58.11   | <.0001 |
| * Apr  | 0.02278            | 0.00438        | 0.00297     | 27.04   | <.0001 |
| * May  | 0.01764            | 0.00429        | 0.00186     | 16.93   | <.0001 |
| * June   | 0.01508            | 0.00429        | 0.00136     | 12.35   | 0.0006 |
| * July   | 0.01713            | 0.00429        | 0.00175     | 15.95   | 0.0001 |
| * Aug  | 0.02061            | 0.00429        | 0.00254     | 23.12   | <.0001 |
| * Sept   | 0.00699            | 0.00428        | 0.00029212  | 2.66    | 0.1053 |
| * Oct  | 0.01203            | 0.00428        | 0.00086698  | 7.90    | 0.0057 |
| * Nov  | -0.00225           | 0.00428        | 0.00003027  | 0.28    | 0.6004 |
| * Dec  | -0.00038194        | 0.00428        | 8.751116E-7 | 0.01    | 0.9290 |
| CONS_CONFIDENCE_US_a4                          | 0.00040028         | 0.00005636     | 0.00554     | 50.45   | <.0001 |
| LN_OIL_P_INX_US                                | 0.00992            | 0.00295        | 0.00124     | 11.32   | 0.0010 |
| CREDIT_CHGOFF_US_a4                            | -0.00266           | 0.00054420     | 0.00263     | 23.96   | <.0001 |
| * Forced into the model by the INCLUDE= option |                    |                |             |         |        |

Bounds on condition number: 2.4303, 362.86

Stepwise Selection: Step 6

Variable LN\_OIL\_P\_INX\_US\_a4 Entered: R-Square = 0.7725 and C(p) = 2.6231

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 15  | 0.04439        | 0.00296     | 28.75   | <.0001 |
| Error                | 127 | 0.01307        | 0.00010294  |         |        |
| Corrected Total      | 142 | 0.05746        |             |         |        |

| Variable                                       | Parameter Estimate | Standard Error | Type II SS  | F Value | Pr > F |
|--|--------------------|----------------|-------------|---------|--------|
| Intercept                                      | 0.12172            | 0.01847        | 0.00447     | 43.44   | <.0001 |
| * Feb  | 0.00034838         | 0.00414        | 7.273555E-7 | 0.01    | 0.9331 |
| * Mar  | 0.03145            | 0.00416        | 0.00588     | 57.13   | <.0001 |
| * Apr  | 0.02072            | 0.00430        | 0.00239     | 23.26   | <.0001 |
| * May  | 0.01514            | 0.00423        | 0.00132     | 12.80   | 0.0005 |
| * June   | 0.01270            | 0.00423        | 0.00092923  | 9.03    | 0.0032 |
| * July   | 0.01536            | 0.00419        | 0.00138     | 13.42   | 0.0004 |
| * Aug  | 0.01959            | 0.00416        | 0.00228     | 22.14   | <.0001 |
| * Sept   | 0.00654            | 0.00415        | 0.00025571  | 2.48    | 0.1175 |
| * Oct  | 0.01191            | 0.00415        | 0.00084988  | 8.26    | 0.0048 |
| * Nov  | -0.00219           | 0.00414        | 0.00002865  | 0.28    | 0.5988 |
| * Dec  | -0.00026678        | 0.00414        | 4.269116E-7 | 0.00    | 0.9488 |
| CONS_CONFIDENCE_US_a4                          | 0.00032723         | 0.00005952     | 0.00311     | 30.23   | <.0001 |
| LN_OIL_P_INX_US                                | 0.01989            | 0.00432        | 0.00218     | 21.21   | <.0001 |
| LN_OIL_P_INX_US_a4                             | -0.01425           | 0.00463        | 0.00097470  | 9.47    | 0.0026 |
| CREDIT_CHGOFF_US_a4                            | -0.00331           | 0.00056724     | 0.00350     | 34.03   | <.0001 |
| * Forced into the model by the INCLUDE= option |                    |                |             |         |        |

Bounds on condition number: 3.3866, 479.89

All variables left in the model are required or significant at the 0.1000 level.

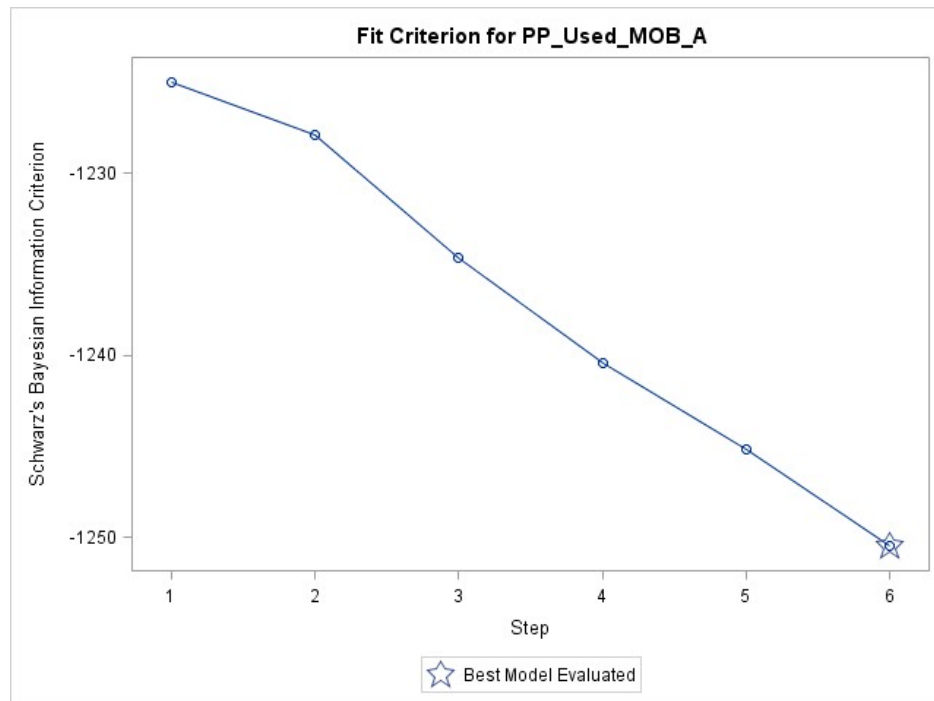
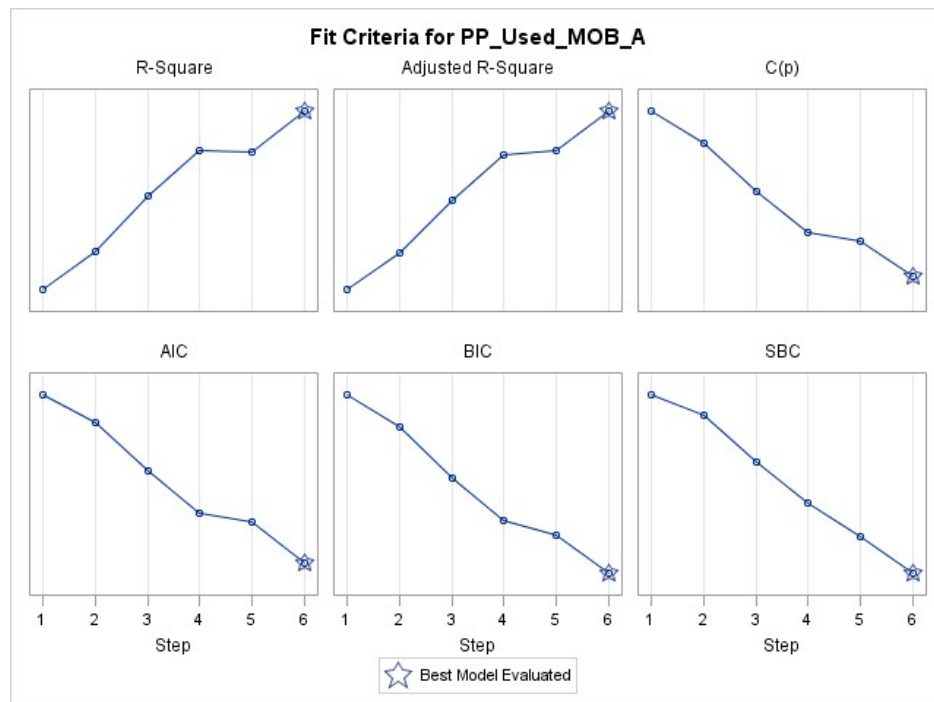
No other variable met the 0.1000 significance level for entry into the model.

| Summary of Stepwise Selection |                       |                    |                 |                |                  |                |         |         |        |
|-------------------------------|-----------------------|--------------------|-----------------|----------------|------------------|----------------|---------|---------|--------|
| Step                          | Variable Entered      | Variable Removed   | Label           | Number Vars In | Partial R-Square | Model R-Square | C(p)    | F Value | Pr > F |
| 1                             | LT_VHL_SALES_US_a2    |                    |                 | 12             | 0.4185           | 0.6982         | 33.7146 | 180.30  | <.0001 |
| 2                             | CONS_CONFIDENCE_US_a4 |                    |                 | 13             | 0.0161           | 0.7144         | 27.6528 | 7.29    | 0.0079 |
| 3                             | LN_OIL_P_INX_US       |                    | LN_OIL_P_INX_US | 14             | 0.0225           | 0.7368         | 18.4244 | 10.94   | 0.0012 |
| 4                             | CREDIT_CHGOFF_US_a4   |                    |                 | 15             | 0.0191           | 0.7559         | 10.8937 | 9.93    | 0.0020 |
| 5                             |                       | LT_VHL_SALES_US_a2 |                 | 14             | 0.0004           | 0.7555         | 9.0943  | 0.21    | 0.6483 |
|                               |                       |                    |                 |                |                  |                |         |         |        |

|   |                    |  |  |    |        |        |        |      |        |
|---|--------------------|--|--|----|--------|--------|--------|------|--------|
| 6 | LN_OIL_P_INX_US_a4 |  |  | 15 | 0.0170 | 0.7725 | 2.6231 | 9.47 | 0.0026 |
|---|--------------------|--|--|----|--------|--------|--------|------|--------|

## Used MOB Cohort A Prepayment

The REG Procedure  
Model: MODEL1  
Dependent Variable: PP\_Used\_MOB\_A PP\_Used\_MOB\_A



## Used MOB Cohort A Prepayment

The REG Procedure  
 Model: MODEL1  
 Dependent Variable: PP\_Used\_MOB\_A PP\_Used\_MOB\_A

|  |     |
|--|-----|
| Number of Observations Read                | 219 |
| Number of Observations Used                | 143 |
| Number of Observations with Missing Values | 76  |

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 15  | 0.04439        | 0.00296     | 28.75   | <.0001 |
| Error                | 127 | 0.01307        | 0.00010294  |         |        |
| Corrected Total      | 142 | 0.05746        |             |         |        |

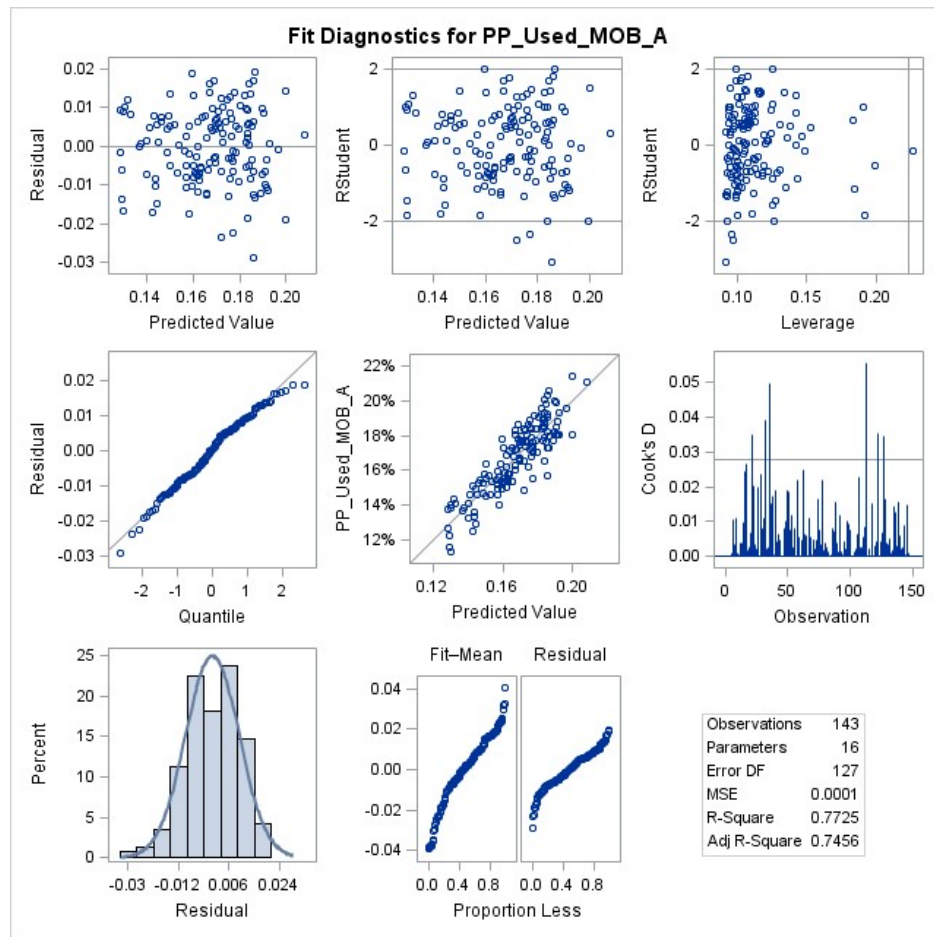
|                |         |          |        |
|----------------|---------|----------|--------|
| Root MSE       | 0.01015 | R-Square | 0.7725 |
| Dependent Mean | 0.16746 | Adj R-Sq | 0.7456 |
| Coeff Var      | 6.05890 |          |        |

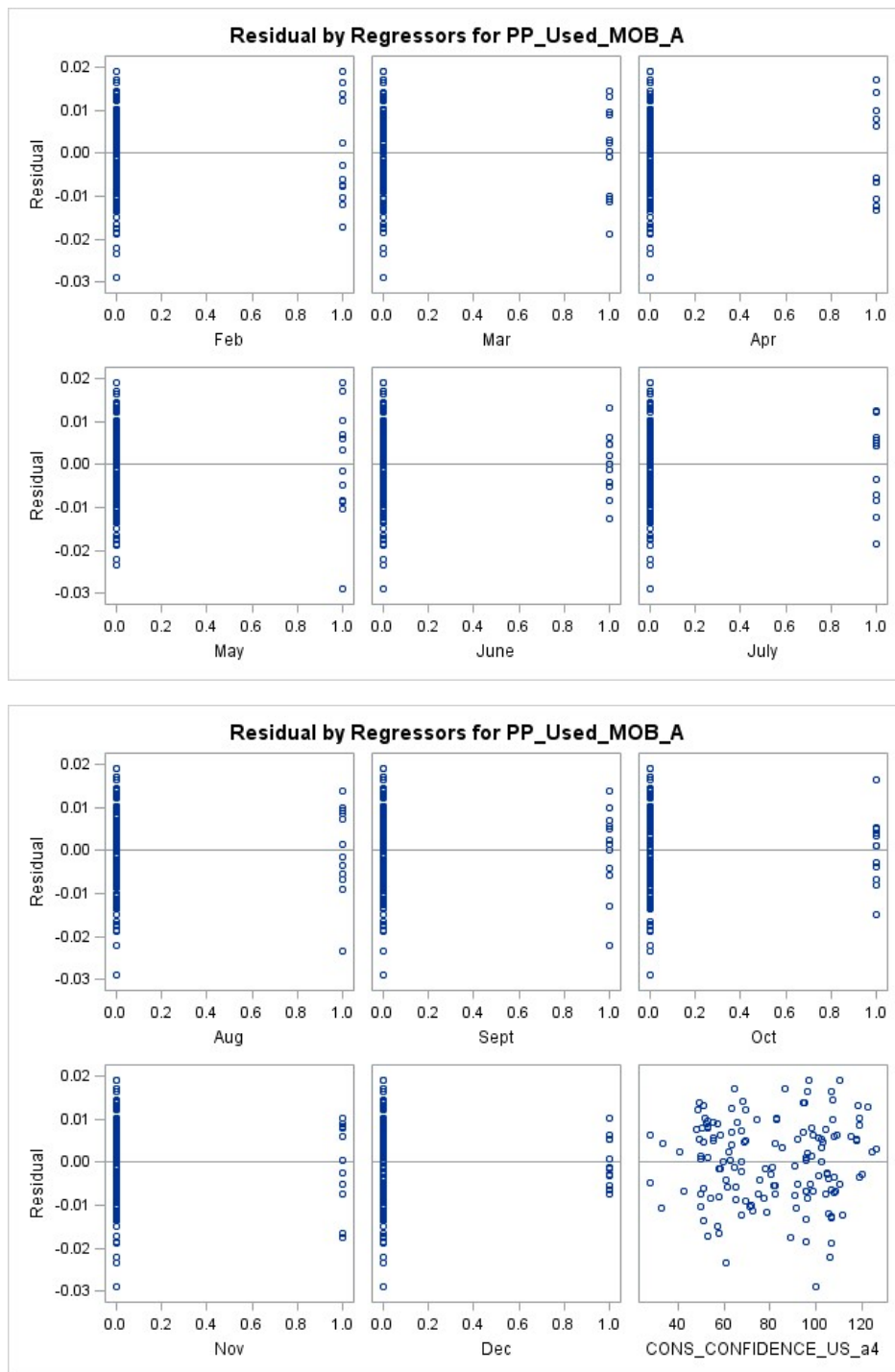
| Parameter Estimates   |                 |    |                    |                |         |         |                    |
|-----------------------|-----------------|----|--------------------|----------------|---------|---------|--------------------|
| Variable              | Label           | DF | Parameter Estimate | Standard Error | t Value | Pr >  t | Variance Inflation |
| Intercept             | Intercept       | 1  | 0.12172            | 0.01847        | 6.59    | <.0001  | 0                  |
| Feb                   |                 | 1  | 0.00034838         | 0.00414        | 0.08    | 0.9331  | 1.83431            |
| Mar                   |                 | 1  | 0.03145            | 0.00416        | 7.56    | <.0001  | 1.84908            |
| Apr                   |                 | 1  | 0.02072            | 0.00430        | 4.82    | <.0001  | 1.82033            |
| May                   |                 | 1  | 0.01514            | 0.00423        | 3.58    | 0.0005  | 1.91247            |
| June                  |                 | 1  | 0.01270            | 0.00423        | 3.00    | 0.0032  | 1.90799            |
| July                  |                 | 1  | 0.01536            | 0.00419        | 3.66    | 0.0004  | 1.87819            |
| Aug                   |                 | 1  | 0.01959            | 0.00416        | 4.71    | <.0001  | 1.85173            |
| Sept                  |                 | 1  | 0.00654            | 0.00415        | 1.58    | 0.1175  | 1.84013            |
| Oct                   |                 | 1  | 0.01191            | 0.00415        | 2.87    | 0.0048  | 1.83601            |
| Nov                   |                 | 1  | -0.00219           | 0.00414        | -0.53   | 0.5988  | 1.83384            |
| Dec                   |                 | 1  | -0.00026678        | 0.00414        | -0.06   | 0.9488  | 1.83265            |
| CONS_CONFIDENCE_US_a4 |                 | 1  | 0.00032723         | 0.00005952     | 5.50    | <.0001  | 2.89000            |
| LN_OIL_P_INX_US       | LN_OIL_P_INX_US | 1  | 0.01989            | 0.00432        | 4.61    | <.0001  | 2.94071            |
| LN_OIL_P_INX_US_a4    |                 | 1  | -0.01425           | 0.00463        | -3.08   | 0.0026  | 3.38655            |
| CREDIT_CHG OFF_US_a4  |                 | 1  | -0.00331           | 0.00056724     | -5.83   | <.0001  | 2.37833            |

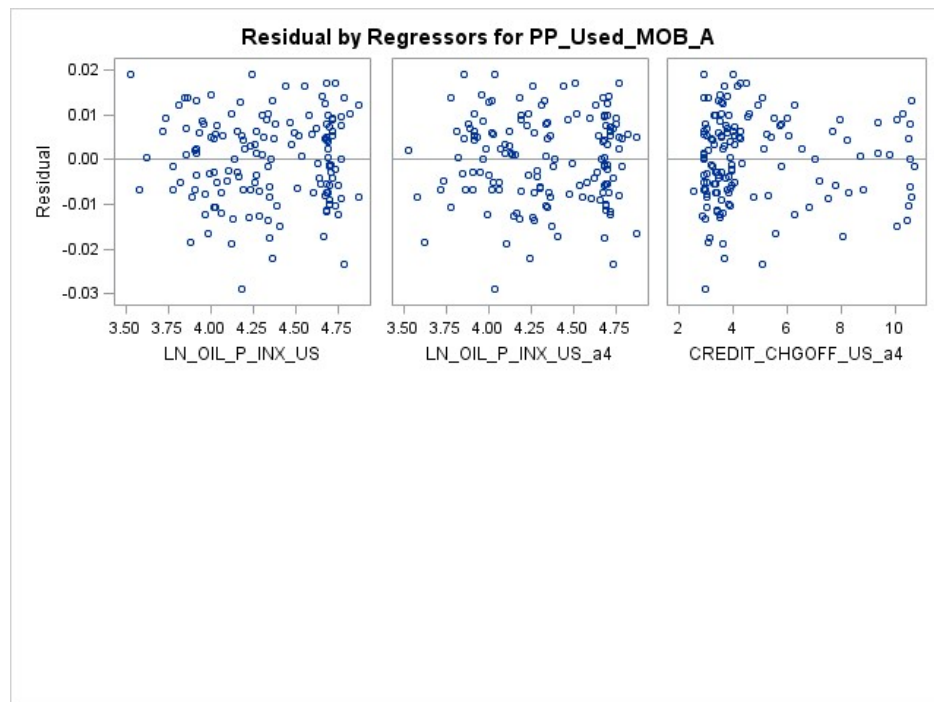


## Used MOB Cohort A Prepayment

The REG Procedure  
Model: MODEL1  
Dependent Variable: PP\_Used\_MOB\_A PP\_Used\_MOB\_A







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**Model with forecast for Scenario 1****The AUTOREG Procedure**

|                           |               |
|---------------------------|---------------|
| <b>Dependent Variable</b> | PP_Used_MOB_A |
|                           | PP_Used_MOB_A |

### Model with forecast for Scenario 1

#### The AUTOREG Procedure

| Ordinary Least Squares Estimates |            |                       |            |
|----------------------------------|------------|-----------------------|------------|
| <b>SSE</b>                       | 0.01307349 | <b>DFE</b>            | 127        |
| <b>MSE</b>                       | 0.0001029  | <b>Root MSE</b>       | 0.01015    |
| <b>SBC</b>                       | -844.67997 | <b>AIC</b>            | -892.08548 |
| <b>MAE</b>                       | 0.00796888 | <b>AICC</b>           | -887.76802 |
| <b>MAPE</b>                      | 4.84165364 | <b>HQC</b>            | -872.82215 |
|                                  |            | <b>Total R-Square</b> | 0.7725     |

| Miscellaneous Statistics |        |        |            |
|--------------------------|--------|--------|------------|
| Statistic                | Value  | Prob   | Label      |
| Normal Test              | 2.6750 | 0.2625 | Pr > ChiSq |

| Durbin-Watson Statistics |        |         |         |
|--------------------------|--------|---------|---------|
| Order                    | DW     | Pr < DW | Pr > DW |
| 1                        | 2.0933 | 0.6066  | 0.3934  |
| 2                        | 1.9336 | 0.3008  | 0.6992  |
| 3                        | 1.4486 | 0.0006  | 0.9994  |
| 4                        | 2.1816 | 0.8757  | 0.1243  |

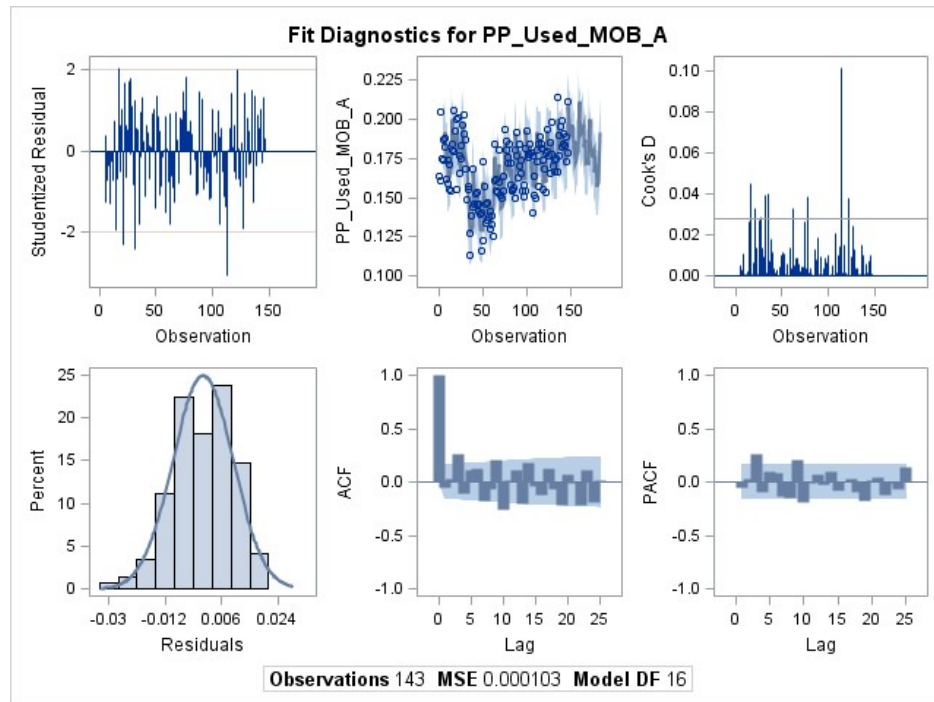
NOTE: Pr<DW is the p-value for testing positive autocorrelation, and Pr>DW is the p-value for testing negative autocorrelation.

| Godfrey's Serial Correlation Test |         |         |
|-----------------------------------|---------|---------|
| Alternative                       | LM      | Pr > LM |
| AR(1)                             | 0.3226  | 0.5700  |
| AR(2)                             | 0.4043  | 0.8170  |
| AR(3)                             | 10.7312 | 0.0133  |
| AR(4)                             | 11.6341 | 0.0203  |

| Tests for ARCH Disturbances Based on OLS Residuals |        |        |        |         |         |          |
|--|--------|--------|--------|---------|---------|----------|
| Order  | Q      | Pr > Q | LM     | Pr > LM | LK      | Pr >  LK |
| 1  | 0.1855 | 0.6667 | 0.1145 | 0.7351  | -0.3101 | 0.7565   |
| 2  | 0.4615 | 0.7939 | 0.3315 | 0.8473  | -0.5270 | 0.5982   |
| 3  | 0.4981 | 0.9193 | 0.3567 | 0.9490  | -0.4915 | 0.6230   |
| 4  | 0.5604 | 0.9674 | 0.4308 | 0.9799  | -0.2408 | 0.8097   |
| 5  | 0.5723 | 0.9892 | 0.4490 | 0.9939  | -0.2040 | 0.8384   |
| 6  | 3.1871 | 0.7850 | 2.7233 | 0.8427  | 0.4733  | 0.6360   |
| 7  | 3.3329 | 0.8526 | 2.7446 | 0.9076  | 0.4288  | 0.6680   |
| 8  | 4.4039 | 0.8190 | 3.2119 | 0.9204  | 0.1759  | 0.8604   |
| 9  | 6.0078 | 0.7391 | 4.7248 | 0.8576  | 0.5963  | 0.5510   |
| 10   | 6.2082 | 0.7975 | 4.8798 | 0.8991  | 0.4382  | 0.6612   |
| 11   | 7.0905 | 0.7917 | 5.5582 | 0.9012  | 0.3375  | 0.7357   |
| 12   | 8.1620 | 0.7723 | 6.7014 | 0.8767  | 0.1622  | 0.8712   |

| Parameter Estimates |    |          |                |         |                |                |
|---------------------|----|----------|----------------|---------|----------------|----------------|
| Variable            | DF | Estimate | Standard Error | t Value | Approx Pr >  t | Variable Label |

|                              |   |           |           |       |        |                 |
|------------------------------|---|-----------|-----------|-------|--------|-----------------|
| <b>Intercept</b>             | 1 | 0.1217    | 0.0131    | 9.32  | <.0001 |                 |
| <b>Feb</b>                   | 1 | 0.000348  | 0.003592  | 0.10  | 0.9229 |                 |
| <b>Mar</b>                   | 1 | 0.0315    | 0.003919  | 8.03  | <.0001 |                 |
| <b>Apr</b>                   | 1 | 0.0207    | 0.004201  | 4.93  | <.0001 |                 |
| <b>May</b>                   | 1 | 0.0151    | 0.004594  | 3.30  | 0.0013 |                 |
| <b>June</b>                  | 1 | 0.0127    | 0.003378  | 3.76  | 0.0003 |                 |
| <b>July</b>                  | 1 | 0.0154    | 0.003790  | 4.05  | <.0001 |                 |
| <b>Aug</b>                   | 1 | 0.0196    | 0.003901  | 5.02  | <.0001 |                 |
| <b>Sept</b>                  | 1 | 0.006542  | 0.003779  | 1.73  | 0.0858 |                 |
| <b>Oct</b>                   | 1 | 0.0119    | 0.003241  | 3.68  | 0.0003 |                 |
| <b>Nov</b>                   | 1 | -0.002186 | 0.003587  | -0.61 | 0.5433 |                 |
| <b>Dec</b>                   | 1 | -0.000267 | 0.003350  | -0.08 | 0.9367 |                 |
| <b>CONS_CONFIDENCE_US_a4</b> | 1 | 0.000327  | 0.0000478 | 6.84  | <.0001 |                 |
| <b>LN_OIL_P_INX_US</b>       | 1 | 0.0199    | 0.003960  | 5.02  | <.0001 | LN_OIL_P_INX_US |
| <b>LN_OIL_P_INX_US_a4</b>    | 1 | -0.0142   | 0.003636  | -3.92 | 0.0001 |                 |
| <b>CREDIT_CHGOFF_US_a4</b>   | 1 | -0.003309 | 0.000430  | -7.69 | <.0001 |                 |

**Model with forecast for Scenario 1****The AUTOREG Procedure**

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**Model with forecast for Scenario 2****The AUTOREG Procedure**

|                           |               |
|---------------------------|---------------|
| <b>Dependent Variable</b> | PP_Used_MOB_A |
|                           | PP_Used_MOB_A |



## Model with forecast for Scenario 2

### The AUTOREG Procedure

| Ordinary Least Squares Estimates |            |                       |            |
|----------------------------------|------------|-----------------------|------------|
| <b>SSE</b>                       | 0.01307349 | <b>DFE</b>            | 127        |
| <b>MSE</b>                       | 0.0001029  | <b>Root MSE</b>       | 0.01015    |
| <b>SBC</b>                       | -844.67997 | <b>AIC</b>            | -892.08548 |
| <b>MAE</b>                       | 0.00796888 | <b>AICC</b>           | -887.76802 |
| <b>MAPE</b>                      | 4.84165364 | <b>HQC</b>            | -872.82215 |
|                                  |            | <b>Total R-Square</b> | 0.7725     |

| Miscellaneous Statistics |        |        |            |
|--------------------------|--------|--------|------------|
| Statistic                | Value  | Prob   | Label      |
| Normal Test              | 2.6750 | 0.2625 | Pr > ChiSq |

| Durbin-Watson Statistics |        |         |         |
|--------------------------|--------|---------|---------|
| Order                    | DW     | Pr < DW | Pr > DW |
| 1                        | 2.0933 | 0.6066  | 0.3934  |
| 2                        | 1.9336 | 0.3008  | 0.6992  |
| 3                        | 1.4486 | 0.0006  | 0.9994  |
| 4                        | 2.1816 | 0.8757  | 0.1243  |

NOTE: Pr<DW is the p-value for testing positive autocorrelation, and Pr>DW is the p-value for testing negative autocorrelation.

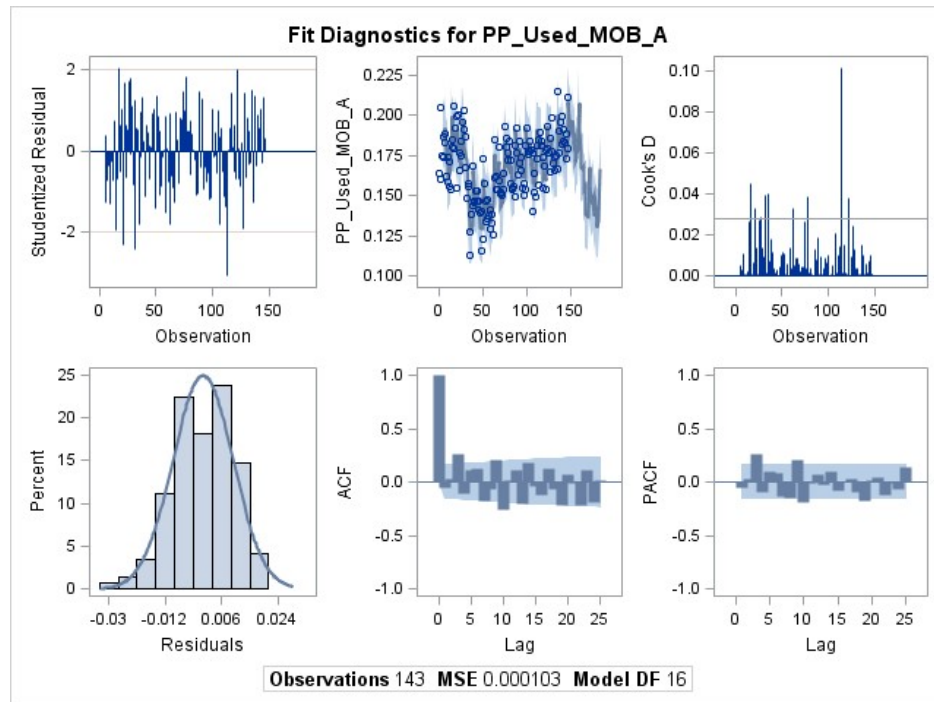
| Godfrey's Serial Correlation Test |         |         |
|-----------------------------------|---------|---------|
| Alternative                       | LM      | Pr > LM |
| AR(1)                             | 0.3226  | 0.5700  |
| AR(2)                             | 0.4043  | 0.8170  |
| AR(3)                             | 10.7312 | 0.0133  |
| AR(4)                             | 11.6341 | 0.0203  |

| Tests for ARCH Disturbances Based on OLS Residuals |        |        |        |         |         |          |
|--|--------|--------|--------|---------|---------|----------|
| Order  | Q      | Pr > Q | LM     | Pr > LM | LK      | Pr >  LK |
| 1  | 0.1855 | 0.6667 | 0.1145 | 0.7351  | -0.3101 | 0.7565   |
| 2  | 0.4615 | 0.7939 | 0.3315 | 0.8473  | -0.5270 | 0.5982   |
| 3  | 0.4981 | 0.9193 | 0.3567 | 0.9490  | -0.4915 | 0.6230   |
| 4  | 0.5604 | 0.9674 | 0.4308 | 0.9799  | -0.2408 | 0.8097   |
| 5  | 0.5723 | 0.9892 | 0.4490 | 0.9939  | -0.2040 | 0.8384   |
| 6  | 3.1871 | 0.7850 | 2.7233 | 0.8427  | 0.4733  | 0.6360   |
| 7  | 3.3329 | 0.8526 | 2.7446 | 0.9076  | 0.4288  | 0.6680   |
| 8  | 4.4039 | 0.8190 | 3.2119 | 0.9204  | 0.1759  | 0.8604   |
| 9  | 6.0078 | 0.7391 | 4.7248 | 0.8576  | 0.5963  | 0.5510   |
| 10   | 6.2082 | 0.7975 | 4.8798 | 0.8991  | 0.4382  | 0.6612   |
| 11   | 7.0905 | 0.7917 | 5.5582 | 0.9012  | 0.3375  | 0.7357   |
| 12   | 8.1620 | 0.7723 | 6.7014 | 0.8767  | 0.1622  | 0.8712   |

| Parameter Estimates |    |          |                |         |                |                |
|---------------------|----|----------|----------------|---------|----------------|----------------|
| Variable            | DF | Estimate | Standard Error | t Value | Approx Pr >  t | Variable Label |

|                              |   |           |           |       |        |                 |
|------------------------------|---|-----------|-----------|-------|--------|-----------------|
| <b>Intercept</b>             | 1 | 0.1217    | 0.0131    | 9.32  | <.0001 |                 |
| <b>Feb</b>                   | 1 | 0.000348  | 0.003592  | 0.10  | 0.9229 |                 |
| <b>Mar</b>                   | 1 | 0.0315    | 0.003919  | 8.03  | <.0001 |                 |
| <b>Apr</b>                   | 1 | 0.0207    | 0.004201  | 4.93  | <.0001 |                 |
| <b>May</b>                   | 1 | 0.0151    | 0.004594  | 3.30  | 0.0013 |                 |
| <b>June</b>                  | 1 | 0.0127    | 0.003378  | 3.76  | 0.0003 |                 |
| <b>July</b>                  | 1 | 0.0154    | 0.003790  | 4.05  | <.0001 |                 |
| <b>Aug</b>                   | 1 | 0.0196    | 0.003901  | 5.02  | <.0001 |                 |
| <b>Sept</b>                  | 1 | 0.006542  | 0.003779  | 1.73  | 0.0858 |                 |
| <b>Oct</b>                   | 1 | 0.0119    | 0.003241  | 3.68  | 0.0003 |                 |
| <b>Nov</b>                   | 1 | -0.002186 | 0.003587  | -0.61 | 0.5433 |                 |
| <b>Dec</b>                   | 1 | -0.000267 | 0.003350  | -0.08 | 0.9367 |                 |
| <b>CONS_CONFIDENCE_US_a4</b> | 1 | 0.000327  | 0.0000478 | 6.84  | <.0001 |                 |
| <b>LN_OIL_P_INX_US</b>       | 1 | 0.0199    | 0.003960  | 5.02  | <.0001 | LN_OIL_P_INX_US |
| <b>LN_OIL_P_INX_US_a4</b>    | 1 | -0.0142   | 0.003636  | -3.92 | 0.0001 |                 |
| <b>CREDIT_CHGOFF_US_a4</b>   | 1 | -0.003309 | 0.000430  | -7.69 | <.0001 |                 |

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**Model with forecast for Scenario 2****The AUTOREG Procedure**

### Used MOB Cohort B Prepayment

The REG Procedure  
 Model: MODEL1  
 Dependent Variable: PP\_Used\_MOB\_B PP\_Used\_MOB\_B

|  |     |
|--|-----|
| Number of Observations Read                | 219 |
| Number of Observations Used                | 143 |
| Number of Observations with Missing Values | 76  |

#### Stepwise Selection: Step 0

First 11 Vars Entered: R-Square = 0.2412 and C(p) = 462.7845

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 11  | 0.02296        | 0.00209     | 3.79    | 0.0001 |
| Error                | 131 | 0.07222        | 0.00055126  |         |        |
| Corrected Total      | 142 | 0.09517        |             |         |        |

| Variable                                       | Parameter Estimate | Standard Error | Type II SS  | F Value | Pr > F |
|--|--------------------|----------------|-------------|---------|--------|
| Intercept                                      | 0.14745            | 0.00678        | 0.26089     | 473.26  | <.0001 |
| * Feb  | 0.00317            | 0.00959        | 0.00006040  | 0.11    | 0.7412 |
| * Mar  | 0.03822            | 0.00959        | 0.00877     | 15.90   | 0.0001 |
| * Apr  | 0.02875            | 0.00980        | 0.00474     | 8.61    | 0.0040 |
| * May  | 0.02273            | 0.00959        | 0.00310     | 5.62    | 0.0192 |
| * June   | 0.02554            | 0.00959        | 0.00391     | 7.10    | 0.0087 |
| * July   | 0.02343            | 0.00959        | 0.00329     | 5.97    | 0.0158 |
| * Aug  | 0.02795            | 0.00959        | 0.00469     | 8.50    | 0.0042 |
| * Sept   | 0.01143            | 0.00959        | 0.00078325  | 1.42    | 0.2354 |
| * Oct  | 0.01301            | 0.00959        | 0.00102     | 1.84    | 0.1770 |
| * Nov  | -0.00024394        | 0.00959        | 3.570278E-7 | 0.00    | 0.9797 |
| * Dec  | 0.00109            | 0.00959        | 0.00000716  | 0.01    | 0.9095 |
| * Forced into the model by the INCLUDE= option |                    |                |             |         |        |

Bounds on condition number: 1.8322, 221

#### Stepwise Selection: Step 1

Variable CREDIT\_CHGOFF\_US Entered: R-Square = 0.5490 and C(p) = 228.7930

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 12  | 0.05225        | 0.00435     | 13.19   | <.0001 |
| Error                | 130 | 0.04292        | 0.00033017  |         |        |

|                        |     |         |  |  |  |
|------------------------|-----|---------|--|--|--|
| <b>Corrected Total</b> | 142 | 0.09517 |  |  |  |
|------------------------|-----|---------|--|--|--|

|  | Variable                | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|-------------------------|--------------------|----------------|------------|---------|--------|
|  | <b>Intercept</b>        | 0.17766            | 0.00615        | 0.27567    | 834.93  | <.0001 |
| *  | <b>Feb</b>              | 0.00325            | 0.00742        | 0.00006318 | 0.19    | 0.6625 |
| *  | <b>Mar</b>              | 0.03826            | 0.00742        | 0.00878    | 26.60   | <.0001 |
| *  | <b>Apr</b>              | 0.02935            | 0.00759        | 0.00494    | 14.97   | 0.0002 |
| *  | <b>May</b>              | 0.02251            | 0.00742        | 0.00304    | 9.21    | 0.0029 |
| *  | <b>June</b>             | 0.02552            | 0.00742        | 0.00391    | 11.83   | 0.0008 |
| *  | <b>July</b>             | 0.02353            | 0.00742        | 0.00332    | 10.06   | 0.0019 |
| *  | <b>Aug</b>              | 0.02806            | 0.00742        | 0.00472    | 14.31   | 0.0002 |
| *  | <b>Sept</b>             | 0.01144            | 0.00742        | 0.00078547 | 2.38    | 0.1254 |
| *  | <b>Oct</b>              | 0.01290            | 0.00742        | 0.00099805 | 3.02    | 0.0845 |
| *  | <b>Nov</b>              | -0.00042157        | 0.00742        | 0.00000107 | 0.00    | 0.9548 |
| *  | <b>Dec</b>              | 0.00097333         | 0.00742        | 0.00000568 | 0.02    | 0.8958 |
|  | <b>CREDIT_CHGOFF_US</b> | -0.00624           | 0.00066217     | 0.02929    | 88.72   | <.0001 |
| * Forced into the model by the INCLUDE= option |                         |                    |                |            |         |        |

Bounds on condition number: 1.8322, 253.1

Stepwise Selection: Step 2

Variable LN\_OIL\_P\_INX\_US Entered: R-Square = 0.6805 and C(p) = 130.0055

| Analysis of Variance   |     |                |             |         |        |
|------------------------|-----|----------------|-------------|---------|--------|
| Source                 | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| <b>Model</b>           | 13  | 0.06476        | 0.00498     | 21.13   | <.0001 |
| <b>Error</b>           | 129 | 0.03041        | 0.00023575  |         |        |
| <b>Corrected Total</b> | 142 | 0.09517        |             |         |        |

|  | Variable                | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|-------------------------|--------------------|----------------|------------|---------|--------|
|  | <b>Intercept</b>        | 0.05942            | 0.01704        | 0.00287    | 12.16   | 0.0007 |
| *  | <b>Feb</b>              | 0.00296            | 0.00627        | 0.00005254 | 0.22    | 0.6377 |
| *  | <b>Mar</b>              | 0.03696            | 0.00627        | 0.00819    | 34.75   | <.0001 |
| *  | <b>Apr</b>              | 0.02668            | 0.00642        | 0.00407    | 17.27   | <.0001 |
| *  | <b>May</b>              | 0.01931            | 0.00628        | 0.00223    | 9.44    | 0.0026 |
| *  | <b>June</b>             | 0.02212            | 0.00629        | 0.00292    | 12.39   | 0.0006 |
| *  | <b>July</b>             | 0.02037            | 0.00628        | 0.00248    | 10.51   | 0.0015 |
| *  | <b>Aug</b>              | 0.02531            | 0.00628        | 0.00383    | 16.25   | <.0001 |
| *  | <b>Sept</b>             | 0.00910            | 0.00628        | 0.00049531 | 2.10    | 0.1496 |
| *  | <b>Oct</b>              | 0.01106            | 0.00627        | 0.00073297 | 3.11    | 0.0802 |
| *  | <b>Nov</b>              | -0.00153           | 0.00627        | 0.00001408 | 0.06    | 0.8073 |
| *  | <b>Dec</b>              | 0.00059650         | 0.00627        | 0.00000213 | 0.01    | 0.9243 |
|  | <b>LN_OIL_P_INX_US</b>  | 0.02807            | 0.00385        | 0.01251    | 53.07   | <.0001 |
|  | <b>CREDIT_CHGOFF_US</b> | -0.00656           | 0.00056128     | 0.03220    | 136.60  | <.0001 |
| * Forced into the model by the INCLUDE= option |                         |                    |                |            |         |        |

Bounds on condition number: 1.8423, 288.22

Stepwise Selection: Step 3

Variable Used\_BW\_FICO\_MOB\_B Entered: R-Square = 0.7339 and C(p) = 91.0550

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 14  | 0.06984        | 0.00499     | 25.21   | <.0001 |
| Error                | 128 | 0.02533        | 0.00019788  |         |        |
| Corrected Total      | 142 | 0.09517        |             |         |        |

| Variable                                       | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|--------------------|----------------|------------|---------|--------|
| Intercept                                      | -0.40236           | 0.09244        | 0.00375    | 18.95   | <.0001 |
| * Feb  | 0.00284            | 0.00574        | 0.00004827 | 0.24    | 0.6222 |
| * Mar  | 0.03683            | 0.00575        | 0.00813    | 41.10   | <.0001 |
| * Apr  | 0.02694            | 0.00588        | 0.00415    | 20.98   | <.0001 |
| * May  | 0.02031            | 0.00576        | 0.00246    | 12.43   | 0.0006 |
| * June   | 0.02299            | 0.00576        | 0.00315    | 15.93   | 0.0001 |
| * July   | 0.02111            | 0.00576        | 0.00266    | 13.44   | 0.0004 |
| * Aug  | 0.02592            | 0.00575        | 0.00401    | 20.28   | <.0001 |
| * Sept   | 0.00960            | 0.00575        | 0.00055103 | 2.78    | 0.0976 |
| * Oct  | 0.01146            | 0.00575        | 0.00078601 | 3.97    | 0.0484 |
| * Nov  | -0.00129           | 0.00574        | 0.00001005 | 0.05    | 0.8220 |
| * Dec  | 0.00069859         | 0.00574        | 0.00000293 | 0.01    | 0.9034 |
| Used_BW_FICO_MOB_B                             | 0.00062392         | 0.00012310     | 0.00508    | 25.69   | <.0001 |
| LN_OIL_P_INX_US                                | 0.02633            | 0.00355        | 0.01090    | 55.10   | <.0001 |
| CREDIT_CHGOFF_US                               | -0.00617           | 0.00052003     | 0.02783    | 140.65  | <.0001 |
| * Forced into the model by the INCLUDE= option |                    |                |            |         |        |

Bounds on condition number: 1.844, 325.4

Stepwise Selection: Step 4

Variable MORT\_DELQ\_PCT\_OH\_a4 Entered: R-Square = 0.7857 and C(p) = 53.3343

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 15  | 0.07477        | 0.00498     | 31.04   | <.0001 |
| Error                | 127 | 0.02040        | 0.00016062  |         |        |
| Corrected Total      | 142 | 0.09517        |             |         |        |

| Variable  | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|-----------|--------------------|----------------|------------|---------|--------|
| Intercept | -0.81262           | 0.11144        | 0.00854    | 53.17   | <.0001 |
| * Feb     | 0.00301            | 0.00517        | 0.00005440 | 0.34    | 0.5616 |

|  |            |            |            |        |        |
|--|------------|------------|------------|--------|--------|
| * Mar  | 0.03699    | 0.00518    | 0.00820    | 51.08  | <.0001 |
| * Apr  | 0.02696    | 0.00530    | 0.00416    | 25.88  | <.0001 |
| * May  | 0.01988    | 0.00519    | 0.00236    | 14.67  | 0.0002 |
| * June   | 0.02271    | 0.00519    | 0.00307    | 19.14  | <.0001 |
| * July   | 0.02079    | 0.00519    | 0.00258    | 16.06  | 0.0001 |
| * Aug  | 0.02521    | 0.00519    | 0.00380    | 23.64  | <.0001 |
| * Sept   | 0.00842    | 0.00519    | 0.00042343 | 2.64   | 0.1069 |
| * Oct  | 0.01006    | 0.00518    | 0.00060503 | 3.77   | 0.0545 |
| * Nov  | -0.00243   | 0.00518    | 0.00003525 | 0.22   | 0.6402 |
| * Dec  | 0.00016084 | 0.00518    | 1.55143E-7 | 0.00   | 0.9753 |
| Used_BW_FICO_MOB_B                             | 0.00116    | 0.00014699 | 0.00998    | 62.11  | <.0001 |
| LN_OIL_P_INX_US                                | 0.02664    | 0.00320    | 0.01116    | 69.48  | <.0001 |
| MORT_DELQ_PCT_OH_a4                            | 0.01109    | 0.00200    | 0.00493    | 30.70  | <.0001 |
| CREDIT_CHGGOFF_US                              | -0.00801   | 0.00057463 | 0.03122    | 194.35 | <.0001 |
| * Forced into the model by the INCLUDE= option |            |            |            |        |        |

Bounds on condition number: 2.4899, 405.69

Stepwise Selection: Step 5

Variable MBA\_MRTG\_REFI\_US\_a4 Entered: R-Square = 0.7935 and C(p) = 49.3574

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 16  | 0.07552        | 0.00472     | 30.25   | <.0001 |
| Error                | 126 | 0.01966        | 0.00015600  |         |        |
| Corrected Total      | 142 | 0.09517        |             |         |        |

| Variable            | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---------------------|--------------------|----------------|------------|---------|--------|
| Intercept           | -0.77991           | 0.11085        | 0.00772    | 49.50   | <.0001 |
| * Feb               | 0.00276            | 0.00510        | 0.00004569 | 0.29    | 0.5894 |
| * Mar               | 0.03677            | 0.00510        | 0.00810    | 51.93   | <.0001 |
| * Apr               | 0.02691            | 0.00522        | 0.00414    | 26.54   | <.0001 |
| * May               | 0.02021            | 0.00512        | 0.00243    | 15.60   | 0.0001 |
| * June              | 0.02331            | 0.00512        | 0.00323    | 20.70   | <.0001 |
| * July              | 0.02144            | 0.00512        | 0.00273    | 17.52   | <.0001 |
| * Aug               | 0.02581            | 0.00512        | 0.00397    | 25.43   | <.0001 |
| * Sept              | 0.00900            | 0.00512        | 0.00048227 | 3.09    | 0.0811 |
| * Oct               | 0.01067            | 0.00512        | 0.00067880 | 4.35    | 0.0390 |
| * Nov               | -0.00187           | 0.00511        | 0.00002079 | 0.13    | 0.7157 |
| * Dec               | 0.00050378         | 0.00510        | 0.00000152 | 0.01    | 0.9215 |
| Used_BW_FICO_MOB_B  | 0.00113            | 0.00014566     | 0.00931    | 59.67   | <.0001 |
| LN_OIL_P_INX_US     | 0.02352            | 0.00346        | 0.00721    | 46.19   | <.0001 |
| MBA_MRTG_REFI_US_a4 | 0.00000799         | 0.00000366     | 0.00074189 | 4.76    | 0.0311 |
| MORT_DELQ_PCT_OH_a4 | 0.00895            | 0.00220        | 0.00258    | 16.52   | <.0001 |
| CREDIT_CHGGOFF_US   | -0.00784           | 0.00057153     | 0.02938    | 188.30  | <.0001 |

\* Forced into the model by the INCLUDE= option

Bounds on condition number: 3.1045, 472.75

Stepwise Selection: Step 6

Variable FX\_USD\_BASKET\_US\_a3 Entered: R-Square = 0.8015 and C(p) = 45.1658

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 17  | 0.07629        | 0.00449     | 29.70   | <.0001 |
| Error                | 125 | 0.01889        | 0.00015110  |         |        |
| Corrected Total      | 142 | 0.09517        |             |         |        |

|   | Variable            | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|---------------------|--------------------|----------------|------------|---------|--------|
|   | Intercept           | -0.73156           | 0.11118        | 0.00654    | 43.30   | <.0001 |
| * | Feb                 | 0.00308            | 0.00502        | 0.00005699 | 0.38    | 0.5402 |
| * | Mar                 | 0.03781            | 0.00504        | 0.00849    | 56.22   | <.0001 |
| * | Apr                 | 0.02840            | 0.00518        | 0.00454    | 30.04   | <.0001 |
| * | May                 | 0.02232            | 0.00512        | 0.00287    | 18.99   | <.0001 |
| * | June                | 0.02539            | 0.00513        | 0.00371    | 24.54   | <.0001 |
| * | July                | 0.02309            | 0.00509        | 0.00310    | 20.55   | <.0001 |
| * | Aug                 | 0.02693            | 0.00506        | 0.00428    | 28.31   | <.0001 |
| * | Sept                | 0.00975            | 0.00505        | 0.00056378 | 3.73    | 0.0557 |
| * | Oct                 | 0.01116            | 0.00504        | 0.00074117 | 4.91    | 0.0286 |
| * | Nov                 | -0.00164           | 0.00503        | 0.00001607 | 0.11    | 0.7449 |
| * | Dec                 | 0.00051835         | 0.00502        | 0.00000161 | 0.01    | 0.9180 |
|   | Used_BW_FICO_MOB_B  | 0.00123            | 0.00015005     | 0.01007    | 66.66   | <.0001 |
|   | LN_OIL_P_INX_US     | 0.00971            | 0.00701        | 0.00028994 | 1.92    | 0.1685 |
|   | MBA_MRTG_REFI_US_a4 | 0.00001005         | 0.00000372     | 0.00110    | 7.31    | 0.0078 |
|   | FX_USD_BASKET_US_a3 | -0.00059059        | 0.00026187     | 0.00076854 | 5.09    | 0.0259 |
|   | MORT_DELQ_PCT_OH_a4 | 0.00836            | 0.00218        | 0.00222    | 14.68   | 0.0002 |
|   | CREDIT_CHGOFF_US    | -0.00831           | 0.00059875     | 0.02908    | 192.42  | <.0001 |

\* Forced into the model by the INCLUDE= option

Bounds on condition number: 5.2736, 671.38

Stepwise Selection: Step 7

Variable LN\_OIL\_P\_INX\_US Removed: R-Square = 0.7985 and C(p) = 45.5017

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 16  | 0.07600        | 0.00475     | 31.21   | <.0001 |
| Error                | 126 | 0.01918        | 0.00015220  |         |        |



|                        |     |         |  |  |  |
|------------------------|-----|---------|--|--|--|
| <b>Corrected Total</b> | 142 | 0.09517 |  |  |  |
|------------------------|-----|---------|--|--|--|

|  | <b>Variable</b>            | <b>Parameter Estimate</b> | <b>Standard Error</b> | <b>Type II SS</b> | <b>F Value</b> | <b>Pr &gt; F</b> |
|--|----------------------------|---------------------------|-----------------------|-------------------|----------------|------------------|
|  | <b>Intercept</b>           | -0.69752                  | 0.10882               | 0.00625           | 41.08          | <.0001           |
| *  | <b>Feb</b>                 | 0.00324                   | 0.00504               | 0.00006309        | 0.41           | 0.5209           |
| *  | <b>Mar</b>                 | 0.03842                   | 0.00504               | 0.00884           | 58.09          | <.0001           |
| *  | <b>Apr</b>                 | 0.02938                   | 0.00515               | 0.00495           | 32.51          | <.0001           |
| *  | <b>May</b>                 | 0.02372                   | 0.00504               | 0.00337           | 22.14          | <.0001           |
| *  | <b>June</b>                | 0.02682                   | 0.00504               | 0.00431           | 28.34          | <.0001           |
| *  | <b>July</b>                | 0.02428                   | 0.00504               | 0.00353           | 23.21          | <.0001           |
| *  | <b>Aug</b>                 | 0.02780                   | 0.00504               | 0.00463           | 30.42          | <.0001           |
| *  | <b>Sept</b>                | 0.01039                   | 0.00504               | 0.00064574        | 4.24           | 0.0415           |
| *  | <b>Oct</b>                 | 0.01163                   | 0.00505               | 0.00080850        | 5.31           | 0.0228           |
| *  | <b>Nov</b>                 | -0.00137                  | 0.00505               | 0.00001122        | 0.07           | 0.7864           |
| *  | <b>Dec</b>                 | 0.00059663                | 0.00504               | 0.00000213        | 0.01           | 0.9060           |
|  | <b>Used_BW_FICO_MOB_B</b>  | 0.00128                   | 0.00014526            | 0.01182           | 77.64          | <.0001           |
|  | <b>MBA_MRTG_REFI_US_a4</b> | 0.00001216                | 0.00000340            | 0.00194           | 12.77          | 0.0005           |
|  | <b>FX_USD_BASKET_US_a3</b> | -0.00090761               | 0.00012774            | 0.00768           | 50.49          | <.0001           |
|  | <b>MORT_DELQ_PCT_OH_a4</b> | 0.00776                   | 0.00215               | 0.00199           | 13.06          | 0.0004           |
|  | <b>CREDIT_CHG OFF_US</b>   | -0.00850                  | 0.00058353            | 0.03232           | 212.37         | <.0001           |
| * Forced into the model by the INCLUDE= option |                            |                           |                       |                   |                |                  |

Bounds on condition number: 3.0233, 469.25

Stepwise Selection: Step 8

Variable CONS\_CONFIDENCE\_US Entered: R-Square = 0.8175 and C(p) = 32.9452

| <b>Analysis of Variance</b> |           |                       |                    |                |                  |
|-----------------------------|-----------|-----------------------|--------------------|----------------|------------------|
| <b>Source</b>               | <b>DF</b> | <b>Sum of Squares</b> | <b>Mean Square</b> | <b>F Value</b> | <b>Pr &gt; F</b> |
| <b>Model</b>                | 17        | 0.07780               | 0.00458            | 32.93          | <.0001           |
| <b>Error</b>                | 125       | 0.01737               | 0.00013897         |                |                  |
| <b>Corrected Total</b>      | 142       | 0.09517               |                    |                |                  |

|   | <b>Variable</b>  | <b>Parameter Estimate</b> | <b>Standard Error</b> | <b>Type II SS</b> | <b>F Value</b> | <b>Pr &gt; F</b> |
|---|------------------|---------------------------|-----------------------|-------------------|----------------|------------------|
|   | <b>Intercept</b> | -0.63299                  | 0.10551               | 0.00500           | 35.99          | <.0001           |
| * | <b>Feb</b>       | 0.00316                   | 0.00481               | 0.00006004        | 0.43           | 0.5122           |
| * | <b>Mar</b>       | 0.03852                   | 0.00482               | 0.00889           | 63.94          | <.0001           |
| * | <b>Apr</b>       | 0.03043                   | 0.00493               | 0.00529           | 38.06          | <.0001           |
| * | <b>May</b>       | 0.02470                   | 0.00482               | 0.00364           | 26.23          | <.0001           |
| * | <b>June</b>      | 0.02744                   | 0.00482               | 0.00451           | 32.44          | <.0001           |
| * | <b>July</b>      | 0.02446                   | 0.00482               | 0.00358           | 25.80          | <.0001           |
| * | <b>Aug</b>       | 0.02780                   | 0.00482               | 0.00463           | 33.30          | <.0001           |
| * | <b>Sept</b>      | 0.01055                   | 0.00482               | 0.00066521        | 4.79           | 0.0305           |
| * | <b>Oct</b>       | 0.01206                   | 0.00482               | 0.00086766        | 6.24           | 0.0138           |
| * | <b>Nov</b>       | -0.00087452               | 0.00482               | 0.00000457        | 0.03           | 0.8564           |

|  |            |            |            |       |        |
|--|------------|------------|------------|-------|--------|
| * Dec  | 0.00087982 | 0.00482    | 0.00000464 | 0.03  | 0.8553 |
| Used_BW_FICO_MOB_B                             | 0.00122    | 0.00013970 | 0.01065    | 76.62 | <.0001 |
| CONS_CONFIDENCE_US                             | 0.00032263 | 0.00008947 | 0.00181    | 13.00 | 0.0004 |
| MBA_MRTG_REFI_US_a4                            | 0.00001201 | 0.00000325 | 0.00189    | 13.63 | 0.0003 |
| FX_USD_BASKET_US_a3                            | -0.00142   | 0.00018650 | 0.00801    | 57.65 | <.0001 |
| MORT_DELQ_PCT_OH_a4                            | 0.00436    | 0.00226    | 0.00051837 | 3.73  | 0.0557 |
| CREDIT_CHG OFF_US                              | -0.00607   | 0.00087593 | 0.00667    | 47.99 | <.0001 |
| * Forced into the model by the INCLUDE= option |            |            |            |       |        |

Bounds on condition number: 5.1821, 667.87

Stepwise Selection: Step 9

Variable MORT\_FCL\_PCT\_OH Entered: R-Square = 0.8223 and C(p) = 31.2824

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 18  | 0.07826        | 0.00435     | 31.87   | <.0001 |
| Error                | 124 | 0.01692        | 0.00013642  |         |        |
| Corrected Total      | 142 | 0.09517        |             |         |        |

| Variable                                       | Parameter Estimate | Standard Error | Type II SS  | F Value | Pr > F |
|--|--------------------|----------------|-------------|---------|--------|
| Intercept                                      | -0.69279           | 0.10955        | 0.00546     | 39.99   | <.0001 |
| * Feb  | 0.00412            | 0.00480        | 0.00010066  | 0.74    | 0.3920 |
| * Mar  | 0.03833            | 0.00477        | 0.00879     | 64.45   | <.0001 |
| * Apr  | 0.03052            | 0.00489        | 0.00532     | 39.00   | <.0001 |
| * May  | 0.02436            | 0.00478        | 0.00354     | 25.95   | <.0001 |
| * June   | 0.02756            | 0.00477        | 0.00455     | 33.33   | <.0001 |
| * July   | 0.02429            | 0.00477        | 0.00353     | 25.90   | <.0001 |
| * Aug  | 0.02782            | 0.00477        | 0.00464     | 33.99   | <.0001 |
| * Sept   | 0.01119            | 0.00479        | 0.00074436  | 5.46    | 0.0211 |
| * Oct  | 0.01242            | 0.00478        | 0.00091865  | 6.73    | 0.0106 |
| * Nov  | -0.00015743        | 0.00480        | 1.470493E-7 | 0.00    | 0.9739 |
| * Dec  | 0.00105            | 0.00477        | 0.00000657  | 0.05    | 0.8267 |
| Used_BW_FICO_MOB_B                             | 0.00127            | 0.00014038     | 0.01109     | 81.27   | <.0001 |
| CONS_CONFIDENCE_US                             | 0.00038178         | 0.00009439     | 0.00223     | 16.36   | <.0001 |
| MBA_MRTG_REFI_US_a4                            | 0.00001064         | 0.00000331     | 0.00141     | 10.34   | 0.0017 |
| FX_USD_BASKET_US_a3                            | -0.00126           | 0.00020439     | 0.00516     | 37.80   | <.0001 |
| MORT_DELQ_PCT_OH_a4                            | 0.00258            | 0.00244        | 0.00015251  | 1.12    | 0.2924 |
| MORT_FCL_PCT_OH                                | 0.04342            | 0.02378        | 0.00045465  | 3.33    | 0.0703 |
| CREDIT_CHG OFF_US                              | -0.00650           | 0.00090006     | 0.00712     | 52.21   | <.0001 |
| * Forced into the model by the INCLUDE= option |                    |                |             |         |        |

Bounds on condition number: 7.299, 883.9

## Stepwise Selection: Step 10

Variable MORT\_DELQ\_PCT\_OH\_a4 Removed: R-Square = 0.8207 and C(p) = 30.5110

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 17  | 0.07810        | 0.00459     | 33.65   | <.0001 |
| Error                | 125 | 0.01707        | 0.00013655  |         |        |
| Corrected Total      | 142 | 0.09517        |             |         |        |

| Variable                                       | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|--------------------|----------------|------------|---------|--------|
| Intercept                                      | -0.64136           | 0.09821        | 0.00582    | 42.65   | <.0001 |
| * Feb  | 0.00426            | 0.00480        | 0.00010779 | 0.79    | 0.3760 |
| * Mar  | 0.03820            | 0.00477        | 0.00874    | 64.01   | <.0001 |
| * Apr  | 0.03060            | 0.00489        | 0.00535    | 39.16   | <.0001 |
| * May  | 0.02443            | 0.00478        | 0.00356    | 26.07   | <.0001 |
| * June   | 0.02771            | 0.00477        | 0.00460    | 33.70   | <.0001 |
| * July   | 0.02435            | 0.00477        | 0.00355    | 26.01   | <.0001 |
| * Aug  | 0.02797            | 0.00477        | 0.00469    | 34.34   | <.0001 |
| * Sept   | 0.01156            | 0.00478        | 0.00079953 | 5.86    | 0.0170 |
| * Oct  | 0.01280            | 0.00477        | 0.00098197 | 7.19    | 0.0083 |
| * Nov  | 0.00028635         | 0.00478        | 4.9027E-7  | 0.00    | 0.9523 |
| * Dec  | 0.00124            | 0.00477        | 0.00000920 | 0.07    | 0.7956 |
| Used_BW_FICO_MOB_B                             | 0.00119            | 0.00012096     | 0.01322    | 96.80   | <.0001 |
| CONS_CONFIDENCE_US                             | 0.00043134         | 0.00008196     | 0.00378    | 27.70   | <.0001 |
| MBA_MRTG_REFI_US_a4                            | 0.00001150         | 0.00000321     | 0.00175    | 12.83   | 0.0005 |
| FX_USD_BASKET_US_a3                            | -0.00126           | 0.00020437     | 0.00522    | 38.24   | <.0001 |
| MORT_FCL_PCT_OH                                | 0.05347            | 0.02181        | 0.00082052 | 6.01    | 0.0156 |
| CREDIT_CHGOFF_US                               | -0.00606           | 0.00079481     | 0.00793    | 58.05   | <.0001 |
| * Forced into the model by the INCLUDE= option |                    |                |            |         |        |

Bounds on condition number: 6.1333, 688.58

## Stepwise Selection: Step 11

Variable NET\_CASH\_FLOW\_US Entered: R-Square = 0.8260 and C(p) = 28.3755

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 18  | 0.07862        | 0.00437     | 32.71   | <.0001 |
| Error                | 124 | 0.01656        | 0.00013351  |         |        |
| Corrected Total      | 142 | 0.09517        |             |         |        |

| Variable  | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|-----------|--------------------|----------------|------------|---------|--------|
| Intercept | -0.50509           | 0.11941        | 0.00239    | 17.89   | <.0001 |
| * Feb     | 0.00403            | 0.00475        | 0.00009641 | 0.72    | 0.3971 |

|  |            |            |            |       |        |
|--|------------|------------|------------|-------|--------|
| * Mar  | 0.03741    | 0.00474    | 0.00832    | 62.34 | <.0001 |
| * Apr  | 0.03061    | 0.00483    | 0.00535    | 40.09 | <.0001 |
| * May  | 0.02423    | 0.00473    | 0.00350    | 26.21 | <.0001 |
| * June   | 0.02749    | 0.00472    | 0.00453    | 33.90 | <.0001 |
| * July   | 0.02389    | 0.00473    | 0.00341    | 25.55 | <.0001 |
| * Aug  | 0.02773    | 0.00472    | 0.00461    | 34.49 | <.0001 |
| * Sept   | 0.01206    | 0.00473    | 0.00086676 | 6.49  | 0.0121 |
| * Oct  | 0.01380    | 0.00475    | 0.00113    | 8.45  | 0.0043 |
| * Nov  | 0.00166    | 0.00478    | 0.00001614 | 0.12  | 0.7287 |
| * Dec  | 0.00204    | 0.00474    | 0.00002472 | 0.19  | 0.6677 |
| Used_BW_FICO_MOB_B                             | 0.00096743 | 0.00016493 | 0.00459    | 34.41 | <.0001 |
| CONS_CONFIDENCE_US                             | 0.00045921 | 0.00008228 | 0.00416    | 31.15 | <.0001 |
| NET_CASH_FLOW_US                               | 0.00001180 | 0.00000602 | 0.00051333 | 3.84  | 0.0521 |
| MBA_MRTG_REFI_US_a4                            | 0.00001035 | 0.00000323 | 0.00137    | 10.29 | 0.0017 |
| FX_USD_BASKET_US_a3                            | -0.00123   | 0.00020276 | 0.00493    | 36.89 | <.0001 |
| MORT_FCL_PCT_OH                                | 0.06836    | 0.02287    | 0.00119    | 8.94  | 0.0034 |
| CREDIT_CHGOFF_US                               | -0.00640   | 0.00080577 | 0.00843    | 63.18 | <.0001 |
| * Forced into the model by the INCLUDE= option |            |            |            |       |        |

Bounds on condition number: 6.894, 830

Stepwise Selection: Step 12

Variable NET\_CASH\_FLOW\_US\_a4 Entered: R-Square = 0.8313 and C(p) = 26.3501

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 19  | 0.07912        | 0.00416     | 31.90   | <.0001 |
| Error                | 123 | 0.01606        | 0.00013053  |         |        |
| Corrected Total      | 142 | 0.09517        |             |         |        |

| Variable           | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--------------------|--------------------|----------------|------------|---------|--------|
| Intercept          | -0.28981           | 0.16140        | 0.00042087 | 3.22    | 0.0750 |
| * Feb              | 0.00515            | 0.00473        | 0.00015482 | 1.19    | 0.2783 |
| * Mar              | 0.03821            | 0.00470        | 0.00862    | 66.00   | <.0001 |
| * Apr              | 0.03050            | 0.00478        | 0.00531    | 40.71   | <.0001 |
| * May              | 0.02361            | 0.00469        | 0.00331    | 25.33   | <.0001 |
| * June             | 0.02691            | 0.00468        | 0.00432    | 33.09   | <.0001 |
| * July             | 0.02317            | 0.00469        | 0.00319    | 24.42   | <.0001 |
| * Aug              | 0.02720            | 0.00468        | 0.00442    | 33.84   | <.0001 |
| * Sept             | 0.01187            | 0.00468        | 0.00083984 | 6.43    | 0.0124 |
| * Oct              | 0.01338            | 0.00470        | 0.00106    | 8.11    | 0.0051 |
| * Nov              | 0.00133            | 0.00473        | 0.00001037 | 0.08    | 0.7785 |
| * Dec              | 0.00159            | 0.00469        | 0.00001495 | 0.11    | 0.7357 |
| Used_BW_FICO_MOB_B | 0.00061141         | 0.00024435     | 0.00081728 | 6.26    | 0.0137 |
| CONS_CONFIDENCE_US | 0.00046432         | 0.00008140     | 0.00425    | 32.54   | <.0001 |
|                    |                    |                |            |         |        |

|   |            |            |            |       |        |
|---|------------|------------|------------|-------|--------|
| <b>NET_CASH_FLOW_US</b>                               | 0.00001481 | 0.00000615 | 0.00075777 | 5.81  | 0.0175 |
| <b>NET_CASH_FLOW_US_a4</b>                            | 0.00001446 | 0.00000739 | 0.00049967 | 3.83  | 0.0527 |
| <b>MBA_MRTG_REFI_US_a4</b>                            | 0.00000866 | 0.00000331 | 0.00089493 | 6.86  | 0.0099 |
| <b>FX_USD_BASKET_US_a3</b>                            | -0.00109   | 0.00021281 | 0.00344    | 26.32 | <.0001 |
| <b>MORT_FCL_PCT_OH</b>                                | 0.08872    | 0.02489    | 0.00166    | 12.71 | 0.0005 |
| <b>CREDIT_CHG OFF_US</b>                              | -0.00683   | 0.00082587 | 0.00893    | 68.39 | <.0001 |
| <b>* Forced into the model by the INCLUDE= option</b> |            |            |            |       |        |

**Bounds on condition number: 8.3548, 1071.6**

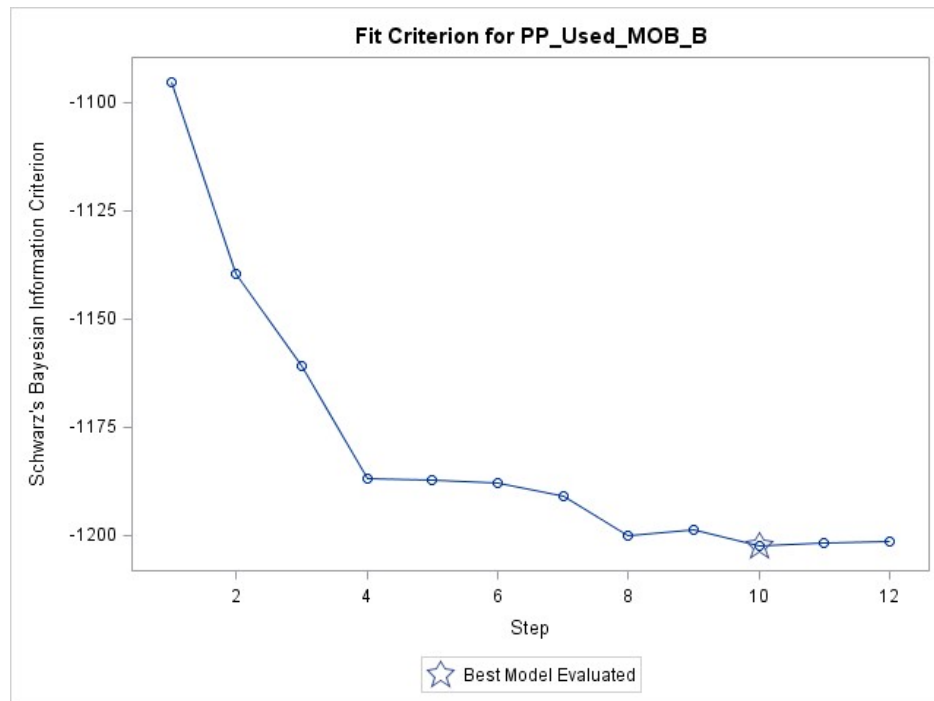
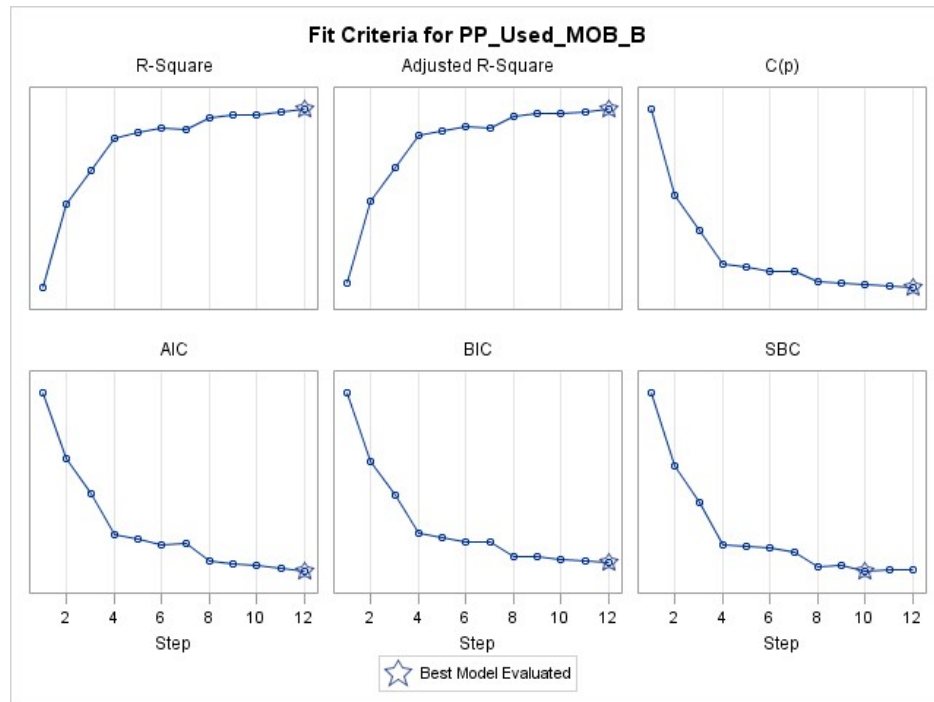
**All variables left in the model are required or significant at the 0.1000 level.**

**No other variable met the 0.1000 significance level for entry into the model.**

| <b>Summary of Stepwise Selection</b> |                         |                         |                    |                       |                         |                       |             |                |                  |
|--------------------------------------|-------------------------|-------------------------|--------------------|-----------------------|-------------------------|-----------------------|-------------|----------------|------------------|
| <b>Step</b>                          | <b>Variable Entered</b> | <b>Variable Removed</b> | <b>Label</b>       | <b>Number Vars In</b> | <b>Partial R-Square</b> | <b>Model R-Square</b> | <b>C(p)</b> | <b>F Value</b> | <b>Pr &gt; F</b> |
| <b>1</b>                             | CREDIT_CHG OFF_US       |                         | CREDIT_CHG OFF_US  | 12                    | 0.3078                  | 0.5490                | 228.793     | 88.72          | <.0001           |
| <b>2</b>                             | LN_OIL_P_INX_US         |                         | LN_OIL_P_INX_US    | 13                    | 0.1314                  | 0.6805                | 130.005     | 53.07          | <.0001           |
| <b>3</b>                             | Used_BW_FICO_MOB_B      |                         | Used_BW_FICO_MOB_B | 14                    | 0.0534                  | 0.7339                | 91.0550     | 25.69          | <.0001           |
| <b>4</b>                             | MORT_DELQ_PCT_OH_a4     |                         |                    | 15                    | 0.0518                  | 0.7857                | 53.3343     | 30.70          | <.0001           |
| <b>5</b>                             | MBA_MRTG_REFI_US_a4     |                         |                    | 16                    | 0.0078                  | 0.7935                | 49.3574     | 4.76           | 0.0311           |
| <b>6</b>                             | FX_USD_BASKET_US_a3     |                         |                    | 17                    | 0.0081                  | 0.8015                | 45.1658     | 5.09           | 0.0259           |
| <b>7</b>                             |                         | LN_OIL_P_INX_US         | LN_OIL_P_INX_US    | 16                    | 0.0030                  | 0.7985                | 45.5017     | 1.92           | 0.1685           |
| <b>8</b>                             | CONS_CONFIDENCE_US      |                         | CONS_CONFIDENCE_US | 17                    | 0.0190                  | 0.8175                | 32.9452     | 13.00          | 0.0004           |
| <b>9</b>                             | MORT_FCL_PCT_OH         |                         | MORT_FCL_PCT_OH    | 18                    | 0.0048                  | 0.8223                | 31.2824     | 3.33           | 0.0703           |
| <b>10</b>                            |                         | MORT_DELQ_PCT_OH_a4     |                    | 17                    | 0.0016                  | 0.8207                | 30.5110     | 1.12           | 0.2924           |
| <b>11</b>                            | NET_CASH_FLOW_US        |                         | NET_CASH_FLOW_US   | 18                    | 0.0054                  | 0.8260                | 28.3755     | 3.84           | 0.0521           |
| <b>12</b>                            | NET_CASH_FLOW_US_a4     |                         |                    | 19                    | 0.0053                  | 0.8313                | 26.3501     | 3.83           | 0.0527           |

**Used MOB Cohort B Prepayment**

The REG Procedure  
Model: MODEL1  
Dependent Variable: PP\_Used\_MOB\_B PP\_Used\_MOB\_B



## Used MOB Cohort B Prepayment

The REG Procedure  
 Model: MODEL1  
 Dependent Variable: PP\_Used\_MOB\_B PP\_Used\_MOB\_B

|  |     |
|--|-----|
| Number of Observations Read                | 219 |
| Number of Observations Used                | 143 |
| Number of Observations with Missing Values | 76  |

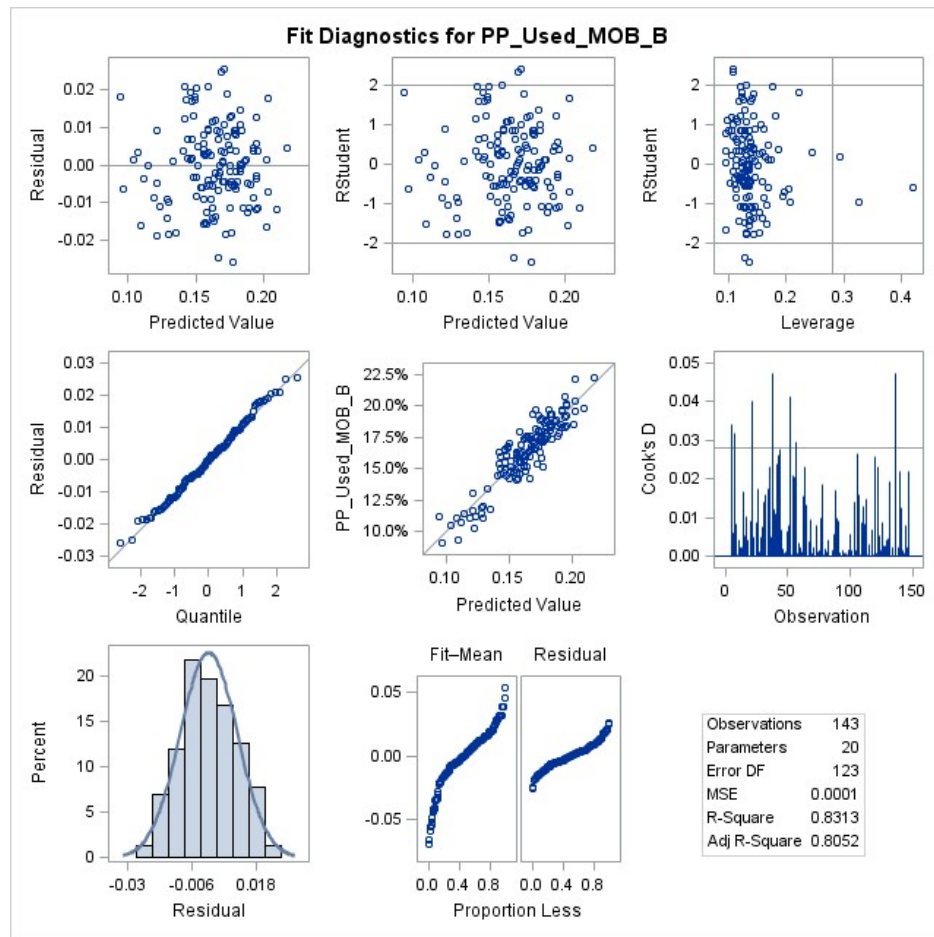
| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 19  | 0.07912        | 0.00416     | 31.90   | <.0001 |
| Error                | 123 | 0.01606        | 0.00013053  |         |        |
| Corrected Total      | 142 | 0.09517        |             |         |        |

|                |         |          |        |
|----------------|---------|----------|--------|
| Root MSE       | 0.01143 | R-Square | 0.8313 |
| Dependent Mean | 0.16362 | Adj R-Sq | 0.8052 |
| Coeff Var      | 6.98293 |          |        |

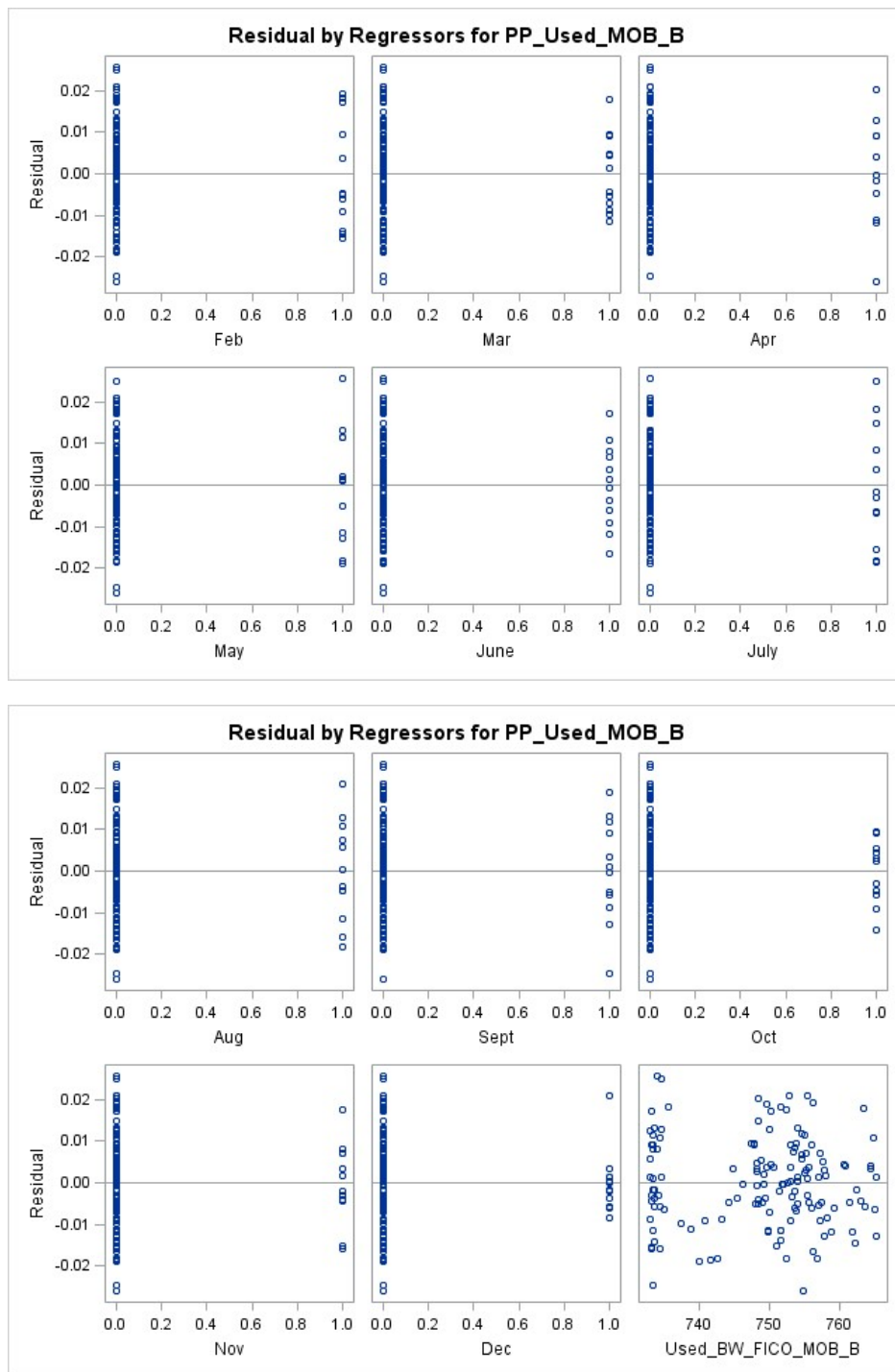
| Parameter Estimates |                    |    |                    |                |         |         |                    |
|---------------------|--------------------|----|--------------------|----------------|---------|---------|--------------------|
| Variable            | Label              | DF | Parameter Estimate | Standard Error | t Value | Pr >  t | Variance Inflation |
| Intercept           | Intercept          | 1  | -0.28981           | 0.16140        | -1.80   | 0.0750  | 0                  |
| Feb                 |                    | 1  | 0.00515            | 0.00473        | 1.09    | 0.2783  | 1.88308            |
| Mar                 |                    | 1  | 0.03821            | 0.00470        | 8.12    | <.0001  | 1.86267            |
| Apr                 |                    | 1  | 0.03050            | 0.00478        | 6.38    | <.0001  | 1.77766            |
| May                 |                    | 1  | 0.02361            | 0.00469        | 5.03    | <.0001  | 1.85254            |
| June                |                    | 1  | 0.02691            | 0.00468        | 5.75    | <.0001  | 1.84327            |
| July                |                    | 1  | 0.02317            | 0.00469        | 4.94    | <.0001  | 1.85068            |
| Aug                 |                    | 1  | 0.02720            | 0.00468        | 5.82    | <.0001  | 1.84120            |
| Sept                |                    | 1  | 0.01187            | 0.00468        | 2.54    | 0.0124  | 1.84397            |
| Oct                 |                    | 1  | 0.01338            | 0.00470        | 2.85    | 0.0051  | 1.85905            |
| Nov                 |                    | 1  | 0.00133            | 0.00473        | 0.28    | 0.7785  | 1.88142            |
| Dec                 |                    | 1  | 0.00159            | 0.00469        | 0.34    | 0.7357  | 1.85117            |
| Used_BW_FICO_MOB_B  | Used_BW_FICO_MOB_B | 1  | 0.00061141         | 0.00024435     | 2.50    | 0.0137  | 6.16713            |
| CONS_CONFIDENCE_US  | CONS_CONFIDENCE_US | 1  | 0.00046432         | 0.00008140     | 5.70    | <.0001  | 4.56584            |
| NET_CASH_FLOW_US    | NET_CASH_FLOW_US   | 1  | 0.00001481         | 0.00000615     | 2.41    | 0.0175  | 3.25970            |
| NET_CASH_FLOW_US_a4 |                    | 1  | 0.00001446         | 0.00000739     | 1.96    | 0.0527  | 4.29101            |
| MBA_MRTG_REFI_US_a4 |                    | 1  | 0.00000866         | 0.00000331     | 2.62    | 0.0099  | 1.54584            |
| FX_USD_BASKET_US_a3 |                    | 1  | -0.00109           | 0.00021281     | -5.13   | <.0001  | 3.93235            |
| MORT_FCL_PCT_OH     | MORT_FCL_PCT_OH    | 1  | 0.08872            | 0.02489        | 3.56    | 0.0005  | 8.35478            |
| CREDIT_CHGOFF_US    | CREDIT_CHGOFF_US   | 1  | -0.00683           | 0.00082587     | -8.27   | <.0001  | 3.93538            |

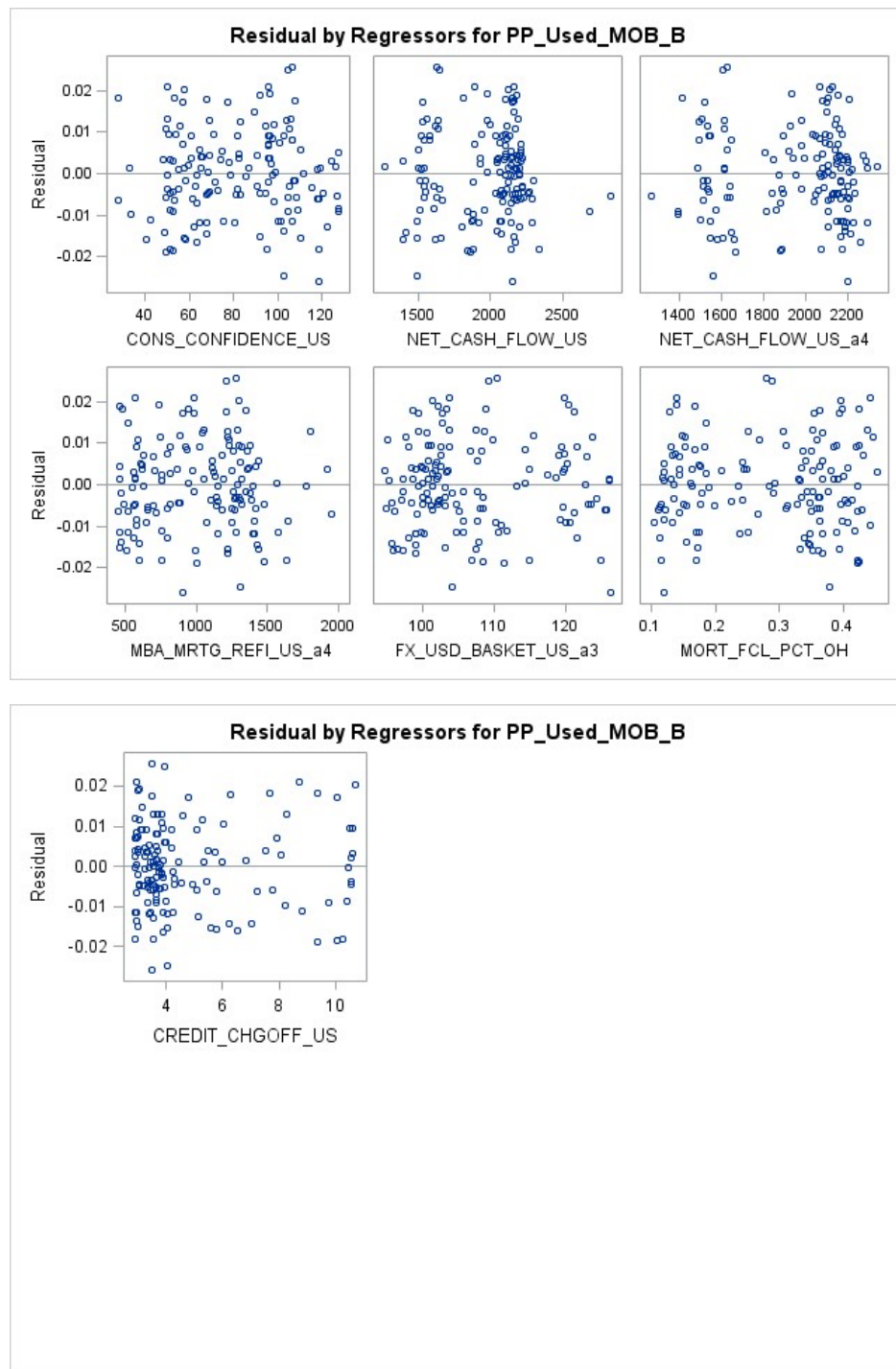
## Used MOB Cohort B Prepayment

The REG Procedure  
Model: MODEL1  
Dependent Variable: PP\_Used\_MOB\_B PP\_Used\_MOB\_B









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**Model with forecast for Scenario 1****The AUTOREG Procedure**

|                           |               |
|---------------------------|---------------|
| <b>Dependent Variable</b> | PP_Used_MOB_B |
|                           | PP_Used_MOB_B |

## Model with forecast for Scenario 1

## The AUTOREG Procedure

| Ordinary Least Squares Estimates |            |                       |            |
|----------------------------------|------------|-----------------------|------------|
| <b>SSE</b>                       | 0.01687308 | <b>DFE</b>            | 124        |
| <b>MSE</b>                       | 0.0001361  | <b>Root MSE</b>       | 0.01167    |
| <b>SBC</b>                       | -793.30744 | <b>AIC</b>            | -849.60149 |
| <b>MAE</b>                       | 0.00875678 | <b>AICC</b>           | -843.42263 |
| <b>MAPE</b>                      | 5.5801357  | <b>HQC</b>            | -826.72628 |
|                                  |            | <b>Total R-Square</b> | 0.8227     |

| Miscellaneous Statistics |        |        |            |
|--------------------------|--------|--------|------------|
| Statistic                | Value  | Prob   | Label      |
| Normal Test              | 0.8364 | 0.6582 | Pr > ChiSq |

| Durbin-Watson Statistics |        |         |         |
|--------------------------|--------|---------|---------|
| Order                    | DW     | Pr < DW | Pr > DW |
| <b>1</b>                 | 1.4473 | <.0001  | 0.9999  |
| <b>2</b>                 | 1.3715 | <.0001  | 1.0000  |
| <b>3</b>                 | 1.3714 | <.0001  | 0.9999  |
| <b>4</b>                 | 1.8461 | 0.1795  | 0.8205  |

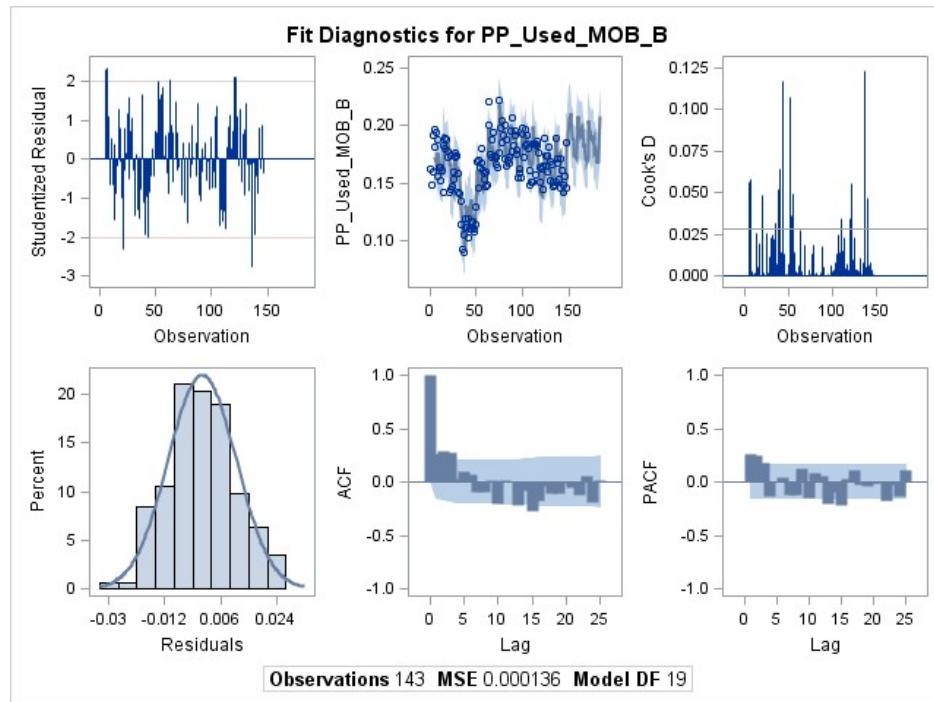
NOTE: Pr<DW is the p-value for testing positive autocorrelation, and Pr>DW is the p-value for testing negative autocorrelation.

| Godfrey's Serial Correlation Test |         |         |
|-----------------------------------|---------|---------|
| Alternative                       | LM      | Pr > LM |
| <b>AR(1)</b>                      | 9.6337  | 0.0019  |
| <b>AR(2)</b>                      | 17.9907 | 0.0001  |
| <b>AR(3)</b>                      | 22.5697 | <.0001  |
| <b>AR(4)</b>                      | 24.3400 | <.0001  |

| Tests for ARCH Disturbances Based on OLS Residuals |        |        |        |         |         |          |
|--|--------|--------|--------|---------|---------|----------|
| Order  | Q      | Pr > Q | LM     | Pr > LM | LK      | Pr >  LK |
| <b>1</b>   | 0.3612 | 0.5478 | 0.5544 | 0.4565  | -0.6723 | 0.5014   |
| <b>2</b>   | 2.1685 | 0.3382 | 1.4236 | 0.4908  | 0.1568  | 0.8754   |
| <b>3</b>   | 3.6754 | 0.2987 | 2.0132 | 0.5697  | -0.2355 | 0.8138   |
| <b>4</b>   | 5.2912 | 0.2587 | 4.4631 | 0.3470  | -0.9849 | 0.3247   |
| <b>5</b>   | 5.3982 | 0.3692 | 5.4652 | 0.3618  | -1.0416 | 0.2976   |
| <b>6</b>   | 5.7388 | 0.4531 | 6.0081 | 0.4223  | -1.1027 | 0.2701   |
| <b>7</b>   | 5.7858 | 0.5650 | 6.0769 | 0.5308  | -1.0511 | 0.2932   |
| <b>8</b>   | 6.8483 | 0.5531 | 7.4935 | 0.4844  | -1.2795 | 0.2007   |
| <b>9</b>   | 7.4463 | 0.5908 | 7.5819 | 0.5768  | -0.8921 | 0.3723   |
| <b>10</b>  | 7.4560 | 0.6818 | 7.6051 | 0.6673  | -1.2270 | 0.2198   |
| <b>11</b>  | 7.6907 | 0.7407 | 7.6051 | 0.7482  | -1.1087 | 0.2676   |
| <b>12</b>  | 7.9405 | 0.7898 | 7.6105 | 0.8148  | -0.7683 | 0.4423   |

| Parameter Estimates |    |          |                |         |                |                |
|---------------------|----|----------|----------------|---------|----------------|----------------|
| Variable            | DF | Estimate | Standard Error | t Value | Approx Pr >  t | Variable Label |

|                            |   |           |           |       |        |                    |
|----------------------------|---|-----------|-----------|-------|--------|--------------------|
| <b>Intercept</b>           | 1 | 0.1079    | 0.0343    | 3.14  | 0.0021 |                    |
| <b>Feb</b>                 | 1 | 0.005825  | 0.004000  | 1.46  | 0.1478 |                    |
| <b>Mar</b>                 | 1 | 0.0386    | 0.003422  | 11.27 | <.0001 |                    |
| <b>Apr</b>                 | 1 | 0.0303    | 0.004318  | 7.02  | <.0001 |                    |
| <b>May</b>                 | 1 | 0.0228    | 0.004398  | 5.19  | <.0001 |                    |
| <b>June</b>                | 1 | 0.0261    | 0.003741  | 6.97  | <.0001 |                    |
| <b>July</b>                | 1 | 0.0222    | 0.004611  | 4.81  | <.0001 |                    |
| <b>Aug</b>                 | 1 | 0.0265    | 0.004138  | 6.41  | <.0001 |                    |
| <b>Sept</b>                | 1 | 0.0118    | 0.004079  | 2.90  | 0.0045 |                    |
| <b>Oct</b>                 | 1 | 0.0135    | 0.002909  | 4.64  | <.0001 |                    |
| <b>Nov</b>                 | 1 | 0.001642  | 0.003123  | 0.53  | 0.6000 |                    |
| <b>Dec</b>                 | 1 | 0.001584  | 0.002926  | 0.54  | 0.5894 |                    |
| <b>CONS_CONFIDENCE_US</b>  | 1 | 0.000459  | 0.0000935 | 4.91  | <.0001 | CONS_CONFIDENCE_US |
| <b>NET_CASH_FLOW_US</b>    | 1 | 0.0000245 | 4.1604E-6 | 5.89  | <.0001 | NET_CASH_FLOW_US   |
| <b>NET_CASH_FLOW_US_a4</b> | 1 | 0.0000282 | 4.5434E-6 | 6.21  | <.0001 |                    |
| <b>MBA_MRTG_REFI_US_a4</b> | 1 | 6.6291E-6 | 3.3272E-6 | 1.99  | 0.0485 |                    |
| <b>FX_USD_BASKET_US_a3</b> | 1 | -0.000954 | 0.000254  | -3.76 | 0.0003 |                    |
| <b>MORT_FCL_PCT_OH</b>     | 1 | 0.1047    | 0.0240    | 4.36  | <.0001 | MORT_FCL_PCT_OH    |
| <b>CREDIT_CHGOFF_US</b>    | 1 | -0.007332 | 0.000953  | -7.69 | <.0001 | CREDIT_CHGOFF_US   |

**Model with forecast for Scenario 1****The AUTOREG Procedure**

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**Model with forecast for Scenario 2****The AUTOREG Procedure**

|                           |               |
|---------------------------|---------------|
| <b>Dependent Variable</b> | PP_Used_MOB_B |
|                           | PP_Used_MOB_B |

## Model with forecast for Scenario 2

### The AUTOREG Procedure

| Ordinary Least Squares Estimates |            |                       |            |
|----------------------------------|------------|-----------------------|------------|
| <b>SSE</b>                       | 0.01687308 | <b>DFE</b>            | 124        |
| <b>MSE</b>                       | 0.0001361  | <b>Root MSE</b>       | 0.01167    |
| <b>SBC</b>                       | -793.30744 | <b>AIC</b>            | -849.60149 |
| <b>MAE</b>                       | 0.00875678 | <b>AICC</b>           | -843.42263 |
| <b>MAPE</b>                      | 5.5801357  | <b>HQC</b>            | -826.72628 |
|                                  |            | <b>Total R-Square</b> | 0.8227     |

| Miscellaneous Statistics |        |        |            |
|--------------------------|--------|--------|------------|
| Statistic                | Value  | Prob   | Label      |
| Normal Test              | 0.8364 | 0.6582 | Pr > ChiSq |

| Durbin-Watson Statistics |        |         |         |
|--------------------------|--------|---------|---------|
| Order                    | DW     | Pr < DW | Pr > DW |
| <b>1</b>                 | 1.4473 | <.0001  | 0.9999  |
| <b>2</b>                 | 1.3715 | <.0001  | 1.0000  |
| <b>3</b>                 | 1.3714 | <.0001  | 0.9999  |
| <b>4</b>                 | 1.8461 | 0.1795  | 0.8205  |

NOTE: Pr<DW is the p-value for testing positive autocorrelation, and Pr>DW is the p-value for testing negative autocorrelation.

| Godfrey's Serial Correlation Test |         |         |
|-----------------------------------|---------|---------|
| Alternative                       | LM      | Pr > LM |
| <b>AR(1)</b>                      | 9.6337  | 0.0019  |
| <b>AR(2)</b>                      | 17.9907 | 0.0001  |
| <b>AR(3)</b>                      | 22.5697 | <.0001  |
| <b>AR(4)</b>                      | 24.3400 | <.0001  |

| Tests for ARCH Disturbances Based on OLS Residuals |        |        |        |         |         |          |
|--|--------|--------|--------|---------|---------|----------|
| Order  | Q      | Pr > Q | LM     | Pr > LM | LK      | Pr >  LK |
| <b>1</b>   | 0.3612 | 0.5478 | 0.5544 | 0.4565  | -0.6723 | 0.5014   |
| <b>2</b>   | 2.1685 | 0.3382 | 1.4236 | 0.4908  | 0.1568  | 0.8754   |
| <b>3</b>   | 3.6754 | 0.2987 | 2.0132 | 0.5697  | -0.2355 | 0.8138   |
| <b>4</b>   | 5.2912 | 0.2587 | 4.4631 | 0.3470  | -0.9849 | 0.3247   |
| <b>5</b>   | 5.3982 | 0.3692 | 5.4652 | 0.3618  | -1.0416 | 0.2976   |
| <b>6</b>   | 5.7388 | 0.4531 | 6.0081 | 0.4223  | -1.1027 | 0.2701   |
| <b>7</b>   | 5.7858 | 0.5650 | 6.0769 | 0.5308  | -1.0511 | 0.2932   |
| <b>8</b>   | 6.8483 | 0.5531 | 7.4935 | 0.4844  | -1.2795 | 0.2007   |
| <b>9</b>   | 7.4463 | 0.5908 | 7.5819 | 0.5768  | -0.8921 | 0.3723   |
| <b>10</b>  | 7.4560 | 0.6818 | 7.6051 | 0.6673  | -1.2270 | 0.2198   |
| <b>11</b>  | 7.6907 | 0.7407 | 7.6051 | 0.7482  | -1.1087 | 0.2676   |
| <b>12</b>  | 7.9405 | 0.7898 | 7.6105 | 0.8148  | -0.7683 | 0.4423   |

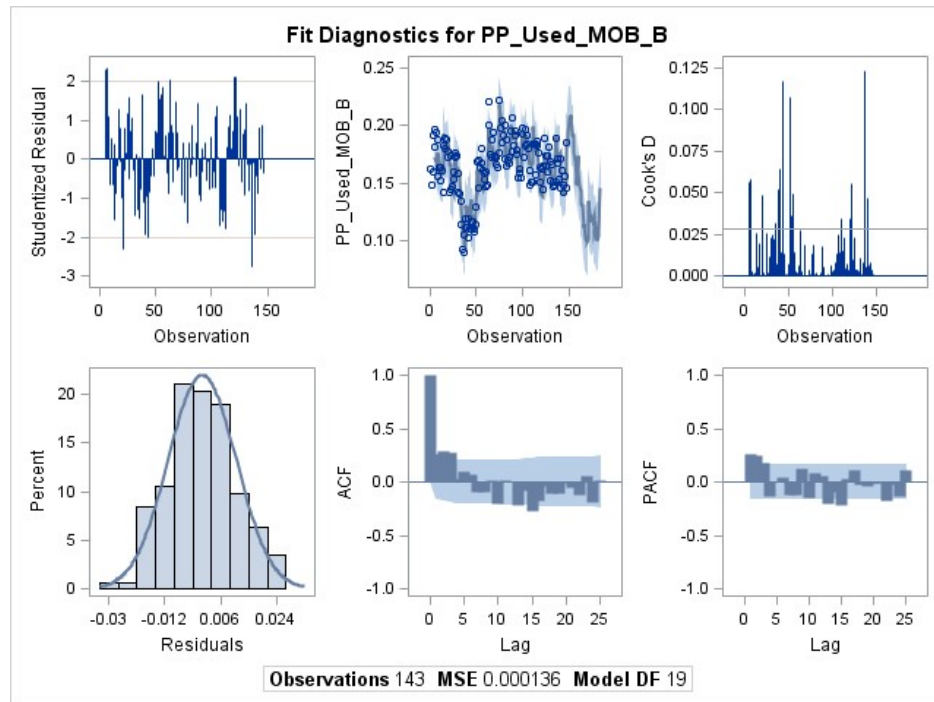
| Parameter Estimates |    |          |                |         |                |                |
|---------------------|----|----------|----------------|---------|----------------|----------------|
| Variable            | DF | Estimate | Standard Error | t Value | Approx Pr >  t | Variable Label |



|                            |   |           |           |       |        |                    |
|----------------------------|---|-----------|-----------|-------|--------|--------------------|
| <b>Intercept</b>           | 1 | 0.1079    | 0.0343    | 3.14  | 0.0021 |                    |
| <b>Feb</b>                 | 1 | 0.005825  | 0.004000  | 1.46  | 0.1478 |                    |
| <b>Mar</b>                 | 1 | 0.0386    | 0.003422  | 11.27 | <.0001 |                    |
| <b>Apr</b>                 | 1 | 0.0303    | 0.004318  | 7.02  | <.0001 |                    |
| <b>May</b>                 | 1 | 0.0228    | 0.004398  | 5.19  | <.0001 |                    |
| <b>June</b>                | 1 | 0.0261    | 0.003741  | 6.97  | <.0001 |                    |
| <b>July</b>                | 1 | 0.0222    | 0.004611  | 4.81  | <.0001 |                    |
| <b>Aug</b>                 | 1 | 0.0265    | 0.004138  | 6.41  | <.0001 |                    |
| <b>Sept</b>                | 1 | 0.0118    | 0.004079  | 2.90  | 0.0045 |                    |
| <b>Oct</b>                 | 1 | 0.0135    | 0.002909  | 4.64  | <.0001 |                    |
| <b>Nov</b>                 | 1 | 0.001642  | 0.003123  | 0.53  | 0.6000 |                    |
| <b>Dec</b>                 | 1 | 0.001584  | 0.002926  | 0.54  | 0.5894 |                    |
| <b>CONS_CONFIDENCE_US</b>  | 1 | 0.000459  | 0.0000935 | 4.91  | <.0001 | CONS_CONFIDENCE_US |
| <b>NET_CASH_FLOW_US</b>    | 1 | 0.0000245 | 4.1604E-6 | 5.89  | <.0001 | NET_CASH_FLOW_US   |
| <b>NET_CASH_FLOW_US_a4</b> | 1 | 0.0000282 | 4.5434E-6 | 6.21  | <.0001 |                    |
| <b>MBA_MRTG_REFI_US_a4</b> | 1 | 6.6291E-6 | 3.3272E-6 | 1.99  | 0.0485 |                    |
| <b>FX_USD_BASKET_US_a3</b> | 1 | -0.000954 | 0.000254  | -3.76 | 0.0003 |                    |
| <b>MORT_FCL_PCT_OH</b>     | 1 | 0.1047    | 0.0240    | 4.36  | <.0001 | MORT_FCL_PCT_OH    |
| <b>CREDIT_CHGOFF_US</b>    | 1 | -0.007332 | 0.000953  | -7.69 | <.0001 | CREDIT_CHGOFF_US   |

## Model with forecast for Scenario 2

## The AUTOREG Procedure



### Used MOB Cohort C Prepayment

The REG Procedure  
 Model: MODEL1  
 Dependent Variable: PP\_Used\_MOB\_C PP\_Used\_MOB\_C

|  |     |
|--|-----|
| Number of Observations Read                | 219 |
| Number of Observations Used                | 143 |
| Number of Observations with Missing Values | 76  |

#### Stepwise Selection: Step 0

First 11 Vars Entered: R-Square = 0.2178 and C(p) = 538.4783

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 11  | 0.03285        | 0.00299     | 3.32    | 0.0005 |
| Error                | 131 | 0.11798        | 0.00090063  |         |        |
| Corrected Total      | 142 | 0.15083        |             |         |        |

| Variable                                       | Parameter Estimate | Standard Error | Type II SS  | F Value | Pr > F |
|--|--------------------|----------------|-------------|---------|--------|
| Intercept                                      | 0.17230            | 0.00866        | 0.35624     | 395.55  | <.0001 |
| * Feb  | -0.00213           | 0.01225        | 0.00002711  | 0.03    | 0.8625 |
| * Mar  | 0.04140            | 0.01225        | 0.01028     | 11.42   | 0.0010 |
| * Apr  | 0.02905            | 0.01253        | 0.00484     | 5.38    | 0.0219 |
| * May  | 0.02613            | 0.01225        | 0.00410     | 4.55    | 0.0348 |
| * June   | 0.02826            | 0.01225        | 0.00479     | 5.32    | 0.0227 |
| * July   | 0.02813            | 0.01225        | 0.00475     | 5.27    | 0.0233 |
| * Aug  | 0.03149            | 0.01225        | 0.00595     | 6.60    | 0.0113 |
| * Sept   | 0.01143            | 0.01225        | 0.00078419  | 0.87    | 0.3525 |
| * Oct  | 0.01090            | 0.01225        | 0.00071246  | 0.79    | 0.3754 |
| * Nov  | -0.00409           | 0.01225        | 0.00010055  | 0.11    | 0.7388 |
| * Dec  | -0.00030200        | 0.01225        | 5.472125E-7 | 0.00    | 0.9804 |
| * Forced into the model by the INCLUDE= option |                    |                |             |         |        |

Bounds on condition number: 1.8322, 221

#### Stepwise Selection: Step 1

Variable CREDIT\_CHGOFF\_US Entered: R-Square = 0.6872 and C(p) = 145.8800

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 12  | 0.10366        | 0.00864     | 23.81   | <.0001 |
| Error                | 130 | 0.04717        | 0.00036287  |         |        |

|                        |     |         |  |  |  |
|------------------------|-----|---------|--|--|--|
| <b>Corrected Total</b> | 142 | 0.15083 |  |  |  |
|------------------------|-----|---------|--|--|--|

|  | Variable                 | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|--------------------------|--------------------|----------------|------------|---------|--------|
|  | <b>Intercept</b>         | 0.21928            | 0.00645        | 0.41994    | 1157.26 | <.0001 |
| *  | <b>Feb</b>               | -0.00201           | 0.00778        | 0.00002432 | 0.07    | 0.7961 |
| *  | <b>Mar</b>               | 0.04145            | 0.00778        | 0.01031    | 28.41   | <.0001 |
| *  | <b>Apr</b>               | 0.02998            | 0.00795        | 0.00516    | 14.22   | 0.0002 |
| *  | <b>May</b>               | 0.02579            | 0.00778        | 0.00399    | 11.00   | 0.0012 |
| *  | <b>June</b>              | 0.02823            | 0.00778        | 0.00478    | 13.17   | 0.0004 |
| *  | <b>July</b>              | 0.02829            | 0.00778        | 0.00480    | 13.23   | 0.0004 |
| *  | <b>Aug</b>               | 0.03166            | 0.00778        | 0.00601    | 16.57   | <.0001 |
| *  | <b>Sept</b>              | 0.01146            | 0.00778        | 0.00078766 | 2.17    | 0.1431 |
| *  | <b>Oct</b>               | 0.01072            | 0.00778        | 0.00068966 | 1.90    | 0.1704 |
| *  | <b>Nov</b>               | -0.00437           | 0.00778        | 0.00011457 | 0.32    | 0.5752 |
| *  | <b>Dec</b>               | -0.00048685        | 0.00778        | 0.00000142 | 0.00    | 0.9502 |
|  | <b>CREDIT_CHG OFF_US</b> | -0.00970           | 0.00069418     | 0.07081    | 195.14  | <.0001 |
| * Forced into the model by the INCLUDE= option |                          |                    |                |            |         |        |

Bounds on condition number: 1.8322, 253.1

Stepwise Selection: Step 2

Variable LN\_OIL\_P\_INX\_US Entered: R-Square = 0.7773 and C(p) = 72.2121

| Analysis of Variance   |     |                |             |         |        |
|------------------------|-----|----------------|-------------|---------|--------|
| Source                 | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| <b>Model</b>           | 13  | 0.11724        | 0.00902     | 34.63   | <.0001 |
| <b>Error</b>           | 129 | 0.03359        | 0.00026042  |         |        |
| <b>Corrected Total</b> | 142 | 0.15083        |             |         |        |

|  | Variable                 | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|--------------------------|--------------------|----------------|------------|---------|--------|
|  | <b>Intercept</b>         | 0.09609            | 0.01791        | 0.00749    | 28.78   | <.0001 |
| *  | <b>Feb</b>               | -0.00231           | 0.00659        | 0.00003204 | 0.12    | 0.7263 |
| *  | <b>Mar</b>               | 0.04011            | 0.00659        | 0.00964    | 37.03   | <.0001 |
| *  | <b>Apr</b>               | 0.02720            | 0.00675        | 0.00423    | 16.25   | <.0001 |
| *  | <b>May</b>               | 0.02246            | 0.00660        | 0.00301    | 11.57   | 0.0009 |
| *  | <b>June</b>              | 0.02469            | 0.00661        | 0.00364    | 13.96   | 0.0003 |
| *  | <b>July</b>              | 0.02499            | 0.00660        | 0.00373    | 14.32   | 0.0002 |
| *  | <b>Aug</b>               | 0.02880            | 0.00660        | 0.00496    | 19.04   | <.0001 |
| *  | <b>Sept</b>              | 0.00902            | 0.00660        | 0.00048641 | 1.87    | 0.1741 |
| *  | <b>Oct</b>               | 0.00881            | 0.00659        | 0.00046480 | 1.78    | 0.1839 |
| *  | <b>Nov</b>               | -0.00553           | 0.00659        | 0.00018318 | 0.70    | 0.4032 |
| *  | <b>Dec</b>               | -0.00087943        | 0.00659        | 0.00000464 | 0.02    | 0.8940 |
|  | <b>LN_OIL_P_INX_US</b>   | 0.02925            | 0.00405        | 0.01358    | 52.14   | <.0001 |
|  | <b>CREDIT_CHG OFF_US</b> | -0.01003           | 0.00058993     | 0.07534    | 289.28  | <.0001 |
| * Forced into the model by the INCLUDE= option |                          |                    |                |            |         |        |

Bounds on condition number: 1.8423, 288.22

Stepwise Selection: Step 3

Variable NET\_CASH\_FLOW\_US\_a4 Entered: R-Square = 0.8114 and C(p) = 45.5388

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 14  | 0.12238        | 0.00874     | 39.33   | <.0001 |
| Error                | 128 | 0.02845        | 0.00022226  |         |        |
| Corrected Total      | 142 | 0.15083        |             |         |        |

| Variable                                       | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|--------------------|----------------|------------|---------|--------|
| Intercept                                      | 0.06124            | 0.01806        | 0.00255    | 11.49   | 0.0009 |
| * Feb  | -0.00115           | 0.00609        | 0.00000797 | 0.04    | 0.8501 |
| * Mar  | 0.04174            | 0.00610        | 0.01041    | 46.86   | <.0001 |
| * Apr  | 0.02740            | 0.00623        | 0.00429    | 19.32   | <.0001 |
| * May  | 0.02291            | 0.00610        | 0.00313    | 14.10   | 0.0003 |
| * June   | 0.02482            | 0.00610        | 0.00368    | 16.53   | <.0001 |
| * July   | 0.02498            | 0.00610        | 0.00373    | 16.77   | <.0001 |
| * Aug  | 0.02871            | 0.00610        | 0.00493    | 22.18   | <.0001 |
| * Sept   | 0.00872            | 0.00609        | 0.00045479 | 2.05    | 0.1550 |
| * Oct  | 0.00806            | 0.00609        | 0.00038851 | 1.75    | 0.1885 |
| * Nov  | -0.00667           | 0.00609        | 0.00026606 | 1.20    | 0.2760 |
| * Dec  | -0.00184           | 0.00609        | 0.00002034 | 0.09    | 0.7628 |
| LN_OIL_P_INX_US                                | 0.02649            | 0.00379        | 0.01089    | 48.99   | <.0001 |
| NET_CASH_FLOW_US_a4                            | 0.00002304         | 0.00000479     | 0.00515    | 23.15   | <.0001 |
| CREDIT_CHGOFF_US                               | -0.00965           | 0.00055071     | 0.06828    | 307.22  | <.0001 |
| * Forced into the model by the INCLUDE= option |                    |                |            |         |        |

Bounds on condition number: 1.8424, 326.05

Stepwise Selection: Step 4

Variable MBA\_MRTG\_REFI\_US\_a1 Entered: R-Square = 0.8305 and C(p) = 31.4675

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 15  | 0.12527        | 0.00835     | 41.49   | <.0001 |
| Error                | 127 | 0.02557        | 0.00020130  |         |        |
| Corrected Total      | 142 | 0.15083        |             |         |        |

| Variable  | Parameter Estimate | Standard Error | Type II SS  | F Value | Pr > F |
|-----------|--------------------|----------------|-------------|---------|--------|
| Intercept | 0.05493            | 0.01727        | 0.00204     | 10.12   | 0.0018 |
| * Feb     | -0.00040626        | 0.00580        | 9.875749E-7 | 0.00    | 0.9443 |

|  |                     |            |            |            |        |        |
|--|---------------------|------------|------------|------------|--------|--------|
| *  | Mar                 | 0.04308    | 0.00581    | 0.01105    | 54.89  | <.0001 |
| *  | Apr                 | 0.02838    | 0.00594    | 0.00460    | 22.85  | <.0001 |
| *  | May                 | 0.02353    | 0.00581    | 0.00330    | 16.40  | <.0001 |
| *  | June                | 0.02535    | 0.00581    | 0.00383    | 19.03  | <.0001 |
| *  | July                | 0.02559    | 0.00581    | 0.00391    | 19.41  | <.0001 |
| *  | Aug                 | 0.02944    | 0.00581    | 0.00517    | 25.70  | <.0001 |
| *  | Sept                | 0.00935    | 0.00580    | 0.00052293 | 2.60   | 0.1095 |
| *  | Oct                 | 0.00827    | 0.00580    | 0.00040947 | 2.03   | 0.1563 |
| *  | Nov                 | -0.00694   | 0.00580    | 0.00028844 | 1.43   | 0.2335 |
| *  | Dec                 | -0.00227   | 0.00580    | 0.00003091 | 0.15   | 0.6958 |
|  | LN_OIL_P_INX_US     | 0.02413    | 0.00366    | 0.00876    | 43.54  | <.0001 |
|  | NET_CASH_FLOW_US_a4 | 0.00002566 | 0.00000461 | 0.00624    | 31.00  | <.0001 |
|  | MBA_MRTG_REFI_US_a1 | 0.00001313 | 0.00000347 | 0.00288    | 14.33  | 0.0002 |
|  | CREDIT_CHGOFF_US    | -0.01010   | 0.00053718 | 0.07114    | 353.41 | <.0001 |
| * Forced into the model by the INCLUDE= option |                     |            |            |            |        |        |

Bounds on condition number: 1.8462, 368.1

Stepwise Selection: Step 5

Variable FEDFUND\_US Entered: R-Square = 0.8400 and C(p) = 25.4551

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 16  | 0.12671        | 0.00792     | 41.36   | <.0001 |
| Error                | 126 | 0.02413        | 0.00019149  |         |        |
| Corrected Total      | 142 | 0.15083        |             |         |        |

| Variable            | Parameter Estimate | Standard Error | Type II SS  | F Value | Pr > F |
|---------------------|--------------------|----------------|-------------|---------|--------|
| Intercept           | 0.02497            | 0.02008        | 0.00029609  | 1.55    | 0.2160 |
| * Feb               | 0.00014614         | 0.00566        | 1.276178E-7 | 0.00    | 0.9794 |
| * Mar               | 0.04381            | 0.00568        | 0.01140     | 59.55   | <.0001 |
| * Apr               | 0.02848            | 0.00579        | 0.00463     | 24.18   | <.0001 |
| * May               | 0.02296            | 0.00567        | 0.00314     | 16.40   | <.0001 |
| * June              | 0.02452            | 0.00567        | 0.00358     | 18.68   | <.0001 |
| * July              | 0.02460            | 0.00568        | 0.00360     | 18.78   | <.0001 |
| * Aug               | 0.02841            | 0.00567        | 0.00480     | 25.06   | <.0001 |
| * Sept              | 0.00838            | 0.00567        | 0.00041853  | 2.19    | 0.1418 |
| * Oct               | 0.00736            | 0.00567        | 0.00032292  | 1.69    | 0.1965 |
| * Nov               | -0.00776           | 0.00566        | 0.00035911  | 1.88    | 0.1733 |
| * Dec               | -0.00281           | 0.00566        | 0.00004732  | 0.25    | 0.6200 |
| LN_OIL_P_INX_US     | 0.02435            | 0.00357        | 0.00892     | 46.60   | <.0001 |
| NET_CASH_FLOW_US_a4 | 0.00003878         | 0.00000657     | 0.00668     | 34.88   | <.0001 |
| MBA_MRTG_REFI_US_a1 | 0.00001040         | 0.00000353     | 0.00166     | 8.69    | 0.0038 |
| FEDFUND_US          | 0.00288            | 0.00105        | 0.00144     | 7.51    | 0.0070 |
| CREDIT_CHGOFF_US    | -0.00939           | 0.00058422     | 0.04947     | 258.35  | <.0001 |

\* Forced into the model by the INCLUDE= option

Bounds on condition number: 2.463, 458.27

Stepwise Selection: Step 6

Variable NET\_CASH\_FLOW\_US Entered: R-Square = 0.8533 and C(p) = 16.3169

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 17  | 0.12870        | 0.00757     | 42.77   | <.0001 |
| Error                | 125 | 0.02213        | 0.00017703  |         |        |
| Corrected Total      | 142 | 0.15083        |             |         |        |

| Variable                                       | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|--------------------|----------------|------------|---------|--------|
| Intercept                                      | -0.00534           | 0.02131        | 0.00001110 | 0.06    | 0.8027 |
| * Feb  | -0.00114           | 0.00546        | 0.00000771 | 0.04    | 0.8350 |
| * Mar  | 0.04216            | 0.00548        | 0.01047    | 59.16   | <.0001 |
| * Apr  | 0.02867            | 0.00557        | 0.00469    | 26.50   | <.0001 |
| * May  | 0.02306            | 0.00545        | 0.00317    | 17.89   | <.0001 |
| * June   | 0.02429            | 0.00546        | 0.00351    | 19.82   | <.0001 |
| * July   | 0.02405            | 0.00546        | 0.00344    | 19.40   | <.0001 |
| * Aug  | 0.02807            | 0.00546        | 0.00468    | 26.45   | <.0001 |
| * Sept   | 0.00901            | 0.00546        | 0.00048313 | 2.73    | 0.1010 |
| * Oct  | 0.00917            | 0.00547        | 0.00049650 | 2.80    | 0.0965 |
| * Nov  | -0.00544           | 0.00549        | 0.00017407 | 0.98    | 0.3233 |
| * Dec  | -0.00126           | 0.00546        | 0.00000947 | 0.05    | 0.8175 |
| LN_OIL_P_INX_US                                | 0.02349            | 0.00344        | 0.00826    | 46.64   | <.0001 |
| NET_CASH_FLOW_US                               | 0.00001973         | 0.00000587     | 0.00200    | 11.29   | 0.0010 |
| NET_CASH_FLOW_US_a4                            | 0.00003490         | 0.00000642     | 0.00523    | 29.57   | <.0001 |
| MBA_MRTG_REFI_US_a1                            | 0.00000963         | 0.00000340     | 0.00142    | 8.02    | 0.0054 |
| FEDFUND_US                                     | 0.00475            | 0.00115        | 0.00300    | 16.93   | <.0001 |
| CREDIT_CHGOFF_US                               | -0.00913           | 0.00056700     | 0.04591    | 259.34  | <.0001 |
| * Forced into the model by the INCLUDE= option |                    |                |            |         |        |

Bounds on condition number: 3.2029, 540.23

Stepwise Selection: Step 7

Variable FX\_USD\_BASKET\_US\_a2 Entered: R-Square = 0.8618 and C(p) = 11.1214

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 18  | 0.13000        | 0.00722     | 42.98   | <.0001 |
| Error                | 124 | 0.02084        | 0.00016805  |         |        |
|                      |     |                |             |         |        |

|                        |     |         |  |  |  |
|------------------------|-----|---------|--|--|--|
| <b>Corrected Total</b> | 142 | 0.15083 |  |  |  |
|------------------------|-----|---------|--|--|--|

|  | Variable                   | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|----------------------------|--------------------|----------------|------------|---------|--------|
|  | <b>Intercept</b>           | 0.16206            | 0.06386        | 0.00108    | 6.44    | 0.0124 |
| *  | <b>Feb</b>                 | -0.00081653        | 0.00532        | 0.00000396 | 0.02    | 0.8782 |
| *  | <b>Mar</b>                 | 0.04340            | 0.00536        | 0.01102    | 65.59   | <.0001 |
| *  | <b>Apr</b>                 | 0.03073            | 0.00548        | 0.00529    | 31.49   | <.0001 |
| *  | <b>May</b>                 | 0.02534            | 0.00538        | 0.00374    | 22.23   | <.0001 |
| *  | <b>June</b>                | 0.02609            | 0.00536        | 0.00399    | 23.73   | <.0001 |
| *  | <b>July</b>                | 0.02510            | 0.00533        | 0.00372    | 22.16   | <.0001 |
| *  | <b>Aug</b>                 | 0.02864            | 0.00532        | 0.00487    | 28.97   | <.0001 |
| *  | <b>Sept</b>                | 0.00959            | 0.00532        | 0.00054633 | 3.25    | 0.0738 |
| *  | <b>Oct</b>                 | 0.00989            | 0.00534        | 0.00057639 | 3.43    | 0.0664 |
| *  | <b>Nov</b>                 | -0.00483           | 0.00535        | 0.00013667 | 0.81    | 0.3689 |
| *  | <b>Dec</b>                 | -0.00102           | 0.00532        | 0.00000623 | 0.04    | 0.8476 |
|  | <b>LN_OIL_P_INX_US</b>     | 0.00291            | 0.00815        | 0.00002138 | 0.13    | 0.7219 |
|  | <b>NET_CASH_FLOW_US</b>    | 0.00002702         | 0.00000630     | 0.00309    | 18.42   | <.0001 |
|  | <b>NET_CASH_FLOW_US_a4</b> | 0.00003773         | 0.00000634     | 0.00596    | 35.46   | <.0001 |
|  | <b>MBA_MRTG_REFI_US_a1</b> | 0.00000891         | 0.00000332     | 0.00121    | 7.19    | 0.0083 |
|  | <b>FEDFUND_US</b>          | 0.00533            | 0.00114        | 0.00365    | 21.69   | <.0001 |
|  | <b>FX_USD_BASKET_US_a2</b> | -0.00089052        | 0.00032126     | 0.00129    | 7.68    | 0.0064 |
|  | <b>CREDIT_CHGOFF_US</b>    | -0.00990           | 0.00061765     | 0.04315    | 256.75  | <.0001 |
| * Forced into the model by the INCLUDE= option |                            |                    |                |            |         |        |

Bounds on condition number: 7.0297, 814.71

Stepwise Selection: Step 8

Variable LN\_OIL\_P\_INX\_US Removed: R-Square = 0.8617 and C(p) = 9.2405

| Analysis of Variance   |     |                |             |         |        |
|------------------------|-----|----------------|-------------|---------|--------|
| Source                 | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| <b>Model</b>           | 17  | 0.12997        | 0.00765     | 45.82   | <.0001 |
| <b>Error</b>           | 125 | 0.02086        | 0.00016687  |         |        |
| <b>Corrected Total</b> | 142 | 0.15083        |             |         |        |

|   | Variable         | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---|------------------|--------------------|----------------|------------|---------|--------|
|   | <b>Intercept</b> | 0.18341            | 0.02219        | 0.01140    | 68.33   | <.0001 |
| * | <b>Feb</b>       | -0.00076964        | 0.00530        | 0.00000352 | 0.02    | 0.8847 |
| * | <b>Mar</b>       | 0.04357            | 0.00532        | 0.01120    | 67.15   | <.0001 |
| * | <b>Apr</b>       | 0.03103            | 0.00540        | 0.00552    | 33.07   | <.0001 |
| * | <b>May</b>       | 0.02567            | 0.00528        | 0.00395    | 23.66   | <.0001 |
| * | <b>June</b>      | 0.02636            | 0.00528        | 0.00415    | 24.89   | <.0001 |
| * | <b>July</b>      | 0.02528            | 0.00529        | 0.00381    | 22.83   | <.0001 |
| * | <b>Aug</b>       | 0.02876            | 0.00529        | 0.00493    | 29.53   | <.0001 |
| * | <b>Sept</b>      | 0.00970            | 0.00529        | 0.00056117 | 3.36    | 0.0691 |



|   |             |            |            |        |        |
|---|-------------|------------|------------|--------|--------|
| * <b>Oct</b>  | 0.01001     | 0.00531    | 0.00059283 | 3.55   | 0.0618 |
| * <b>Nov</b>  | -0.00473    | 0.00533    | 0.00013178 | 0.79   | 0.3759 |
| * <b>Dec</b>  | -0.00099096 | 0.00530    | 0.00000583 | 0.03   | 0.8520 |
| <b>NET_CASH_FLOW_US</b>                               | 0.00002794  | 0.00000573 | 0.00397    | 23.80  | <.0001 |
| <b>NET_CASH_FLOW_US_a4</b>                            | 0.00003814  | 0.00000621 | 0.00630    | 37.74  | <.0001 |
| <b>MBA_MRTG_REFI_US_a1</b>                            | 0.00000891  | 0.00000331 | 0.00121    | 7.23   | 0.0081 |
| <b>FEDFUND_US</b>                                     | 0.00540     | 0.00112    | 0.00386    | 23.12  | <.0001 |
| <b>FX_USD_BASKET_US_a2</b>                            | -0.00099497 | 0.00013168 | 0.00953    | 57.09  | <.0001 |
| <b>CREDIT_CHGGOFF_US</b>                              | -0.00998    | 0.00056706 | 0.05171    | 309.90 | <.0001 |
| * Forced into the model by the <b>INCLUDE=</b> option |             |            |            |        |        |

Bounds on condition number: 3.2144, 542.95

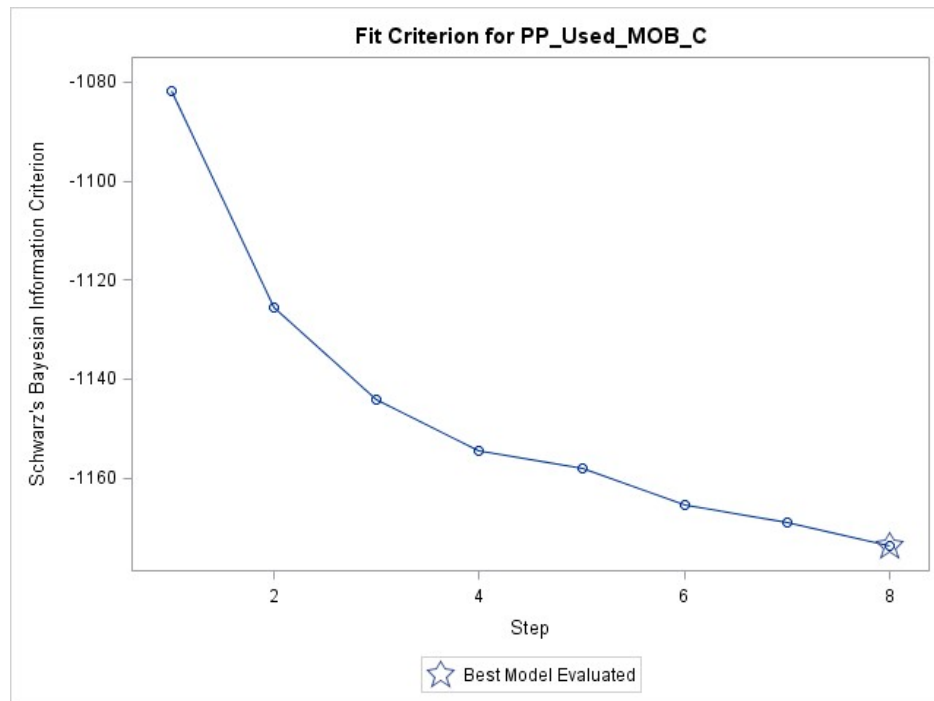
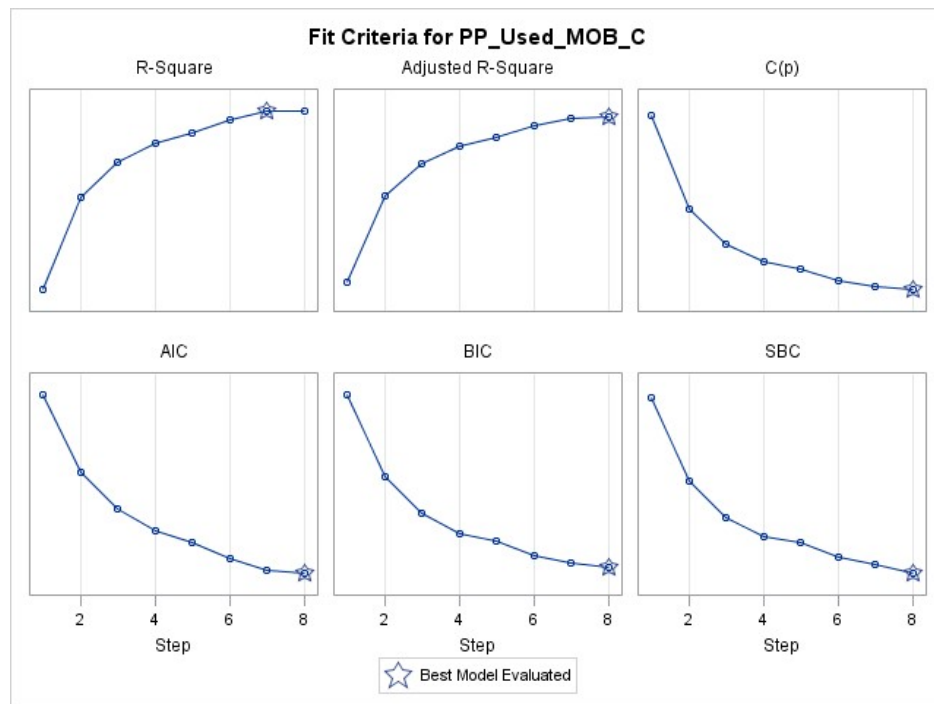
All variables left in the model are required or significant at the 0.1000 level.

No other variable met the 0.1000 significance level for entry into the model.

| Summary of Stepwise Selection |                     |                  |                   |                |                  |                |         |         |        |
|-------------------------------|---------------------|------------------|-------------------|----------------|------------------|----------------|---------|---------|--------|
| Step                          | Variable Entered    | Variable Removed | Label             | Number Vars In | Partial R-Square | Model R-Square | C(p)    | F Value | Pr > F |
| 1                             | CREDIT_CHGGOFF_US   |                  | CREDIT_CHGGOFF_US | 12             | 0.4695           | 0.6872         | 145.880 | 195.14  | <.0001 |
| 2                             | LN_OIL_P_INX_US     |                  | LN_OIL_P_INX_US   | 13             | 0.0900           | 0.7773         | 72.2121 | 52.14   | <.0001 |
| 3                             | NET_CASH_FLOW_US_a4 |                  |                   | 14             | 0.0341           | 0.8114         | 45.5388 | 23.15   | <.0001 |
| 4                             | MBA_MRTG_REFI_US_a1 |                  |                   | 15             | 0.0191           | 0.8305         | 31.4675 | 14.33   | 0.0002 |
| 5                             | FEDFUND_US          |                  | FEDFUND_US        | 16             | 0.0095           | 0.8400         | 25.4551 | 7.51    | 0.0070 |
| 6                             | NET_CASH_FLOW_US    |                  | NET_CASH_FLOW_US  | 17             | 0.0133           | 0.8533         | 16.3169 | 11.29   | 0.0010 |
| 7                             | FX_USD_BASKET_US_a2 |                  |                   | 18             | 0.0086           | 0.8618         | 11.1214 | 7.68    | 0.0064 |
| 8                             |                     | LN_OIL_P_INX_US  | LN_OIL_P_INX_US   | 17             | 0.0001           | 0.8617         | 9.2405  | 0.13    | 0.7219 |

**Used MOB Cohort C Prepayment**

The REG Procedure  
Model: MODEL1  
Dependent Variable: PP\_Used\_MOB\_C PP\_Used\_MOB\_C



### Used MOB Cohort C Prepayment

The REG Procedure  
 Model: MODEL1  
 Dependent Variable: PP\_Used\_MOB\_C PP\_Used\_MOB\_C

|  |     |
|--|-----|
| Number of Observations Read                | 219 |
| Number of Observations Used                | 143 |
| Number of Observations with Missing Values | 76  |

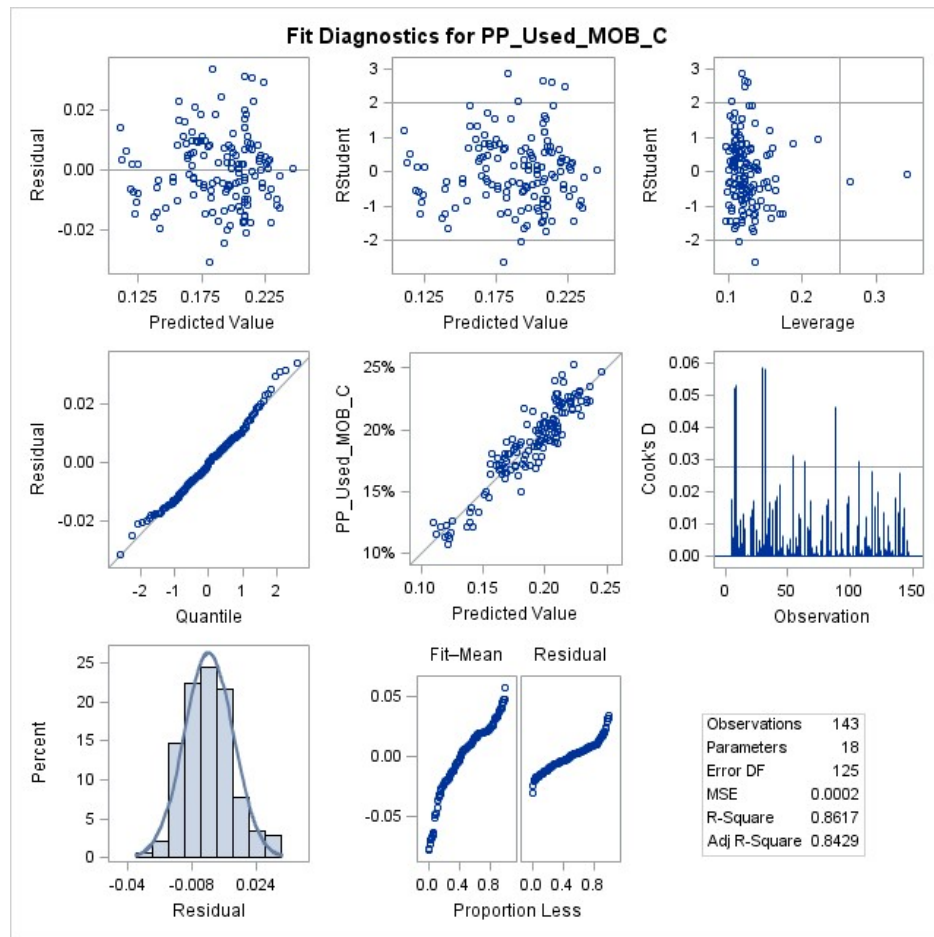
| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 17  | 0.12997        | 0.00765     | 45.82   | <.0001 |
| Error                | 125 | 0.02086        | 0.00016687  |         |        |
| Corrected Total      | 142 | 0.15083        |             |         |        |

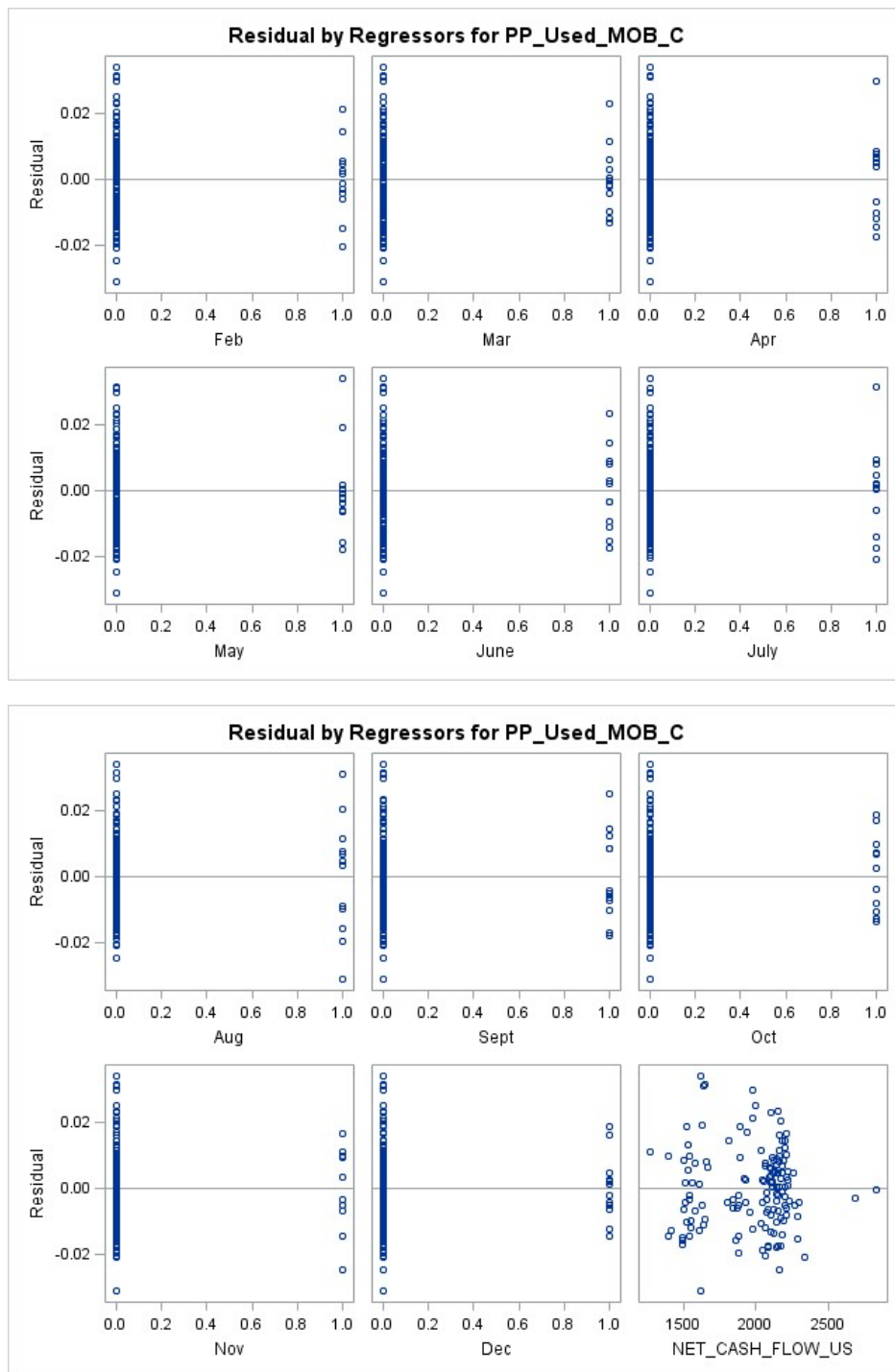
|                |         |          |        |
|----------------|---------|----------|--------|
| Root MSE       | 0.01292 | R-Square | 0.8617 |
| Dependent Mean | 0.18890 | Adj R-Sq | 0.8429 |
| Coeff Var      | 6.83847 |          |        |

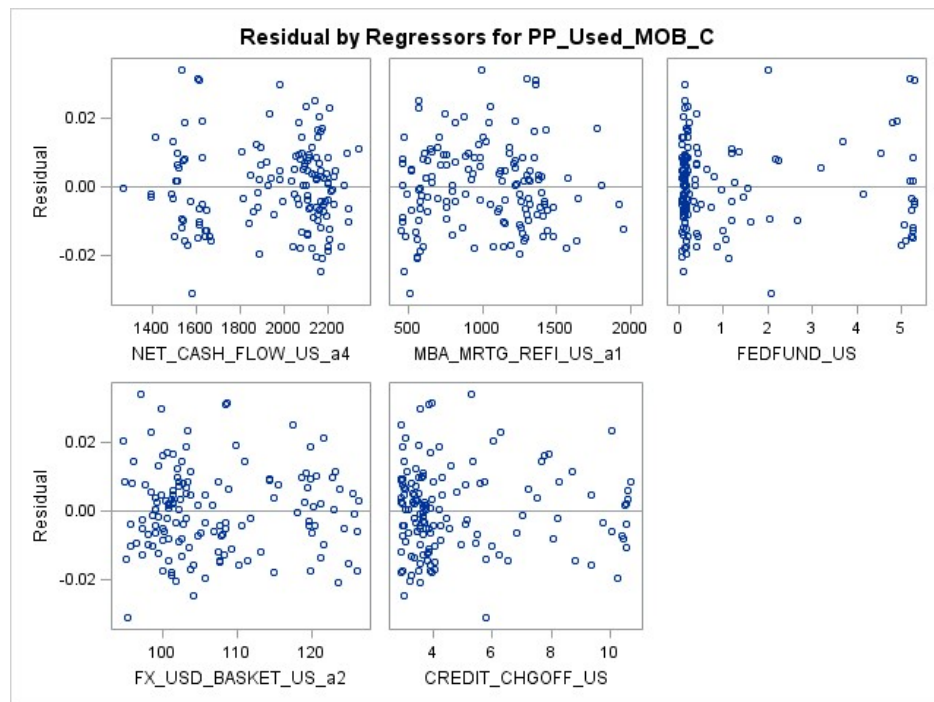
| Parameter Estimates |                  |    |                    |                |         |         |                    |
|---------------------|------------------|----|--------------------|----------------|---------|---------|--------------------|
| Variable            | Label            | DF | Parameter Estimate | Standard Error | t Value | Pr >  t | Variance Inflation |
| Intercept           | Intercept        | 1  | 0.18341            | 0.02219        | 8.27    | <.0001  | 0                  |
| Feb                 |                  | 1  | -0.00076964        | 0.00530        | -0.15   | 0.8847  | 1.84840            |
| Mar                 |                  | 1  | 0.04357            | 0.00532        | 8.19    | <.0001  | 1.86260            |
| Apr                 |                  | 1  | 0.03103            | 0.00540        | 5.75    | <.0001  | 1.77151            |
| May                 |                  | 1  | 0.02567            | 0.00528        | 4.86    | <.0001  | 1.83498            |
| June                |                  | 1  | 0.02636            | 0.00528        | 4.99    | <.0001  | 1.83867            |
| July                |                  | 1  | 0.02528            | 0.00529        | 4.78    | <.0001  | 1.84446            |
| Aug                 |                  | 1  | 0.02876            | 0.00529        | 5.43    | <.0001  | 1.84525            |
| Sept                |                  | 1  | 0.00970            | 0.00529        | 1.83    | 0.0691  | 1.84444            |
| Oct                 |                  | 1  | 0.01001            | 0.00531        | 1.88    | 0.0618  | 1.85794            |
| Nov                 |                  | 1  | -0.00473           | 0.00533        | -0.89   | 0.3759  | 1.86964            |
| Dec                 |                  | 1  | -0.00099096        | 0.00530        | -0.19   | 0.8520  | 1.85033            |
| NET_CASH_FLOW_US    | NET_CASH_FLOW_US | 1  | 0.00002794         | 0.00000573     | 4.88    | <.0001  | 2.21287            |
| NET_CASH_FLOW_US_a4 |                  | 1  | 0.00003814         | 0.00000621     | 6.14    | <.0001  | 2.36983            |
| MBA_MRTG_REFI_US_a1 |                  | 1  | 0.00000891         | 0.00000331     | 2.69    | 0.0081  | 1.23244            |
| FEDFUND_US          | FEDFUND_US       | 1  | 0.00540            | 0.00112        | 4.81    | <.0001  | 3.21435            |
| FX_USD_BASKET_US_a2 |                  | 1  | -0.00099497        | 0.00013168     | -7.56   | <.0001  | 1.18939            |
| CREDIT_CHGOFF_US    | CREDIT_CHGOFF_US | 1  | -0.00998           | 0.00056706     | -17.60  | <.0001  | 1.45128            |

## Used MOB Cohort C Prepayment

The REG Procedure  
Model: MODEL1  
Dependent Variable: PP\_Used\_MOB\_C PP\_Used\_MOB\_C







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**Model with forecast for Scenario 1****The AUTOREG Procedure**

|                           |               |
|---------------------------|---------------|
| <b>Dependent Variable</b> | PP_Used_MOB_C |
|                           | PP_Used_MOB_C |

### Model with forecast for Scenario 1

#### The AUTOREG Procedure

| Ordinary Least Squares Estimates |            |                       |            |
|----------------------------------|------------|-----------------------|------------|
| <b>SSE</b>                       | 0.02085911 | <b>DFE</b>            | 125        |
| <b>MSE</b>                       | 0.0001669  | <b>Root MSE</b>       | 0.01292    |
| <b>SBC</b>                       | -767.94406 | <b>AIC</b>            | -821.27526 |
| <b>MAE</b>                       | 0.00966252 | <b>AICC</b>           | -815.75913 |
| <b>MAPE</b>                      | 5.27108749 | <b>HQC</b>            | -799.60402 |
|                                  |            | <b>Total R-Square</b> | 0.8617     |

| Miscellaneous Statistics |        |        |            |
|--------------------------|--------|--------|------------|
| Statistic                | Value  | Prob   | Label      |
| Normal Test              | 2.6149 | 0.2705 | Pr > ChiSq |

| Durbin-Watson Statistics |        |         |         |
|--------------------------|--------|---------|---------|
| Order                    | DW     | Pr < DW | Pr > DW |
| 1                        | 1.8206 | 0.0711  | 0.9289  |
| 2                        | 1.6947 | 0.0210  | 0.9790  |
| 3                        | 1.6075 | 0.0083  | 0.9917  |
| 4                        | 2.0316 | 0.5707  | 0.4293  |

NOTE: Pr<DW is the p-value for testing positive autocorrelation, and Pr>DW is the p-value for testing negative autocorrelation.

| Godfrey's Serial Correlation Test |        |         |
|-----------------------------------|--------|---------|
| Alternative                       | LM     | Pr > LM |
| <b>AR(1)</b>                      | 0.9455 | 0.3309  |
| <b>AR(2)</b>                      | 3.6066 | 0.1648  |
| <b>AR(3)</b>                      | 6.6060 | 0.0856  |
| <b>AR(4)</b>                      | 8.3725 | 0.0788  |

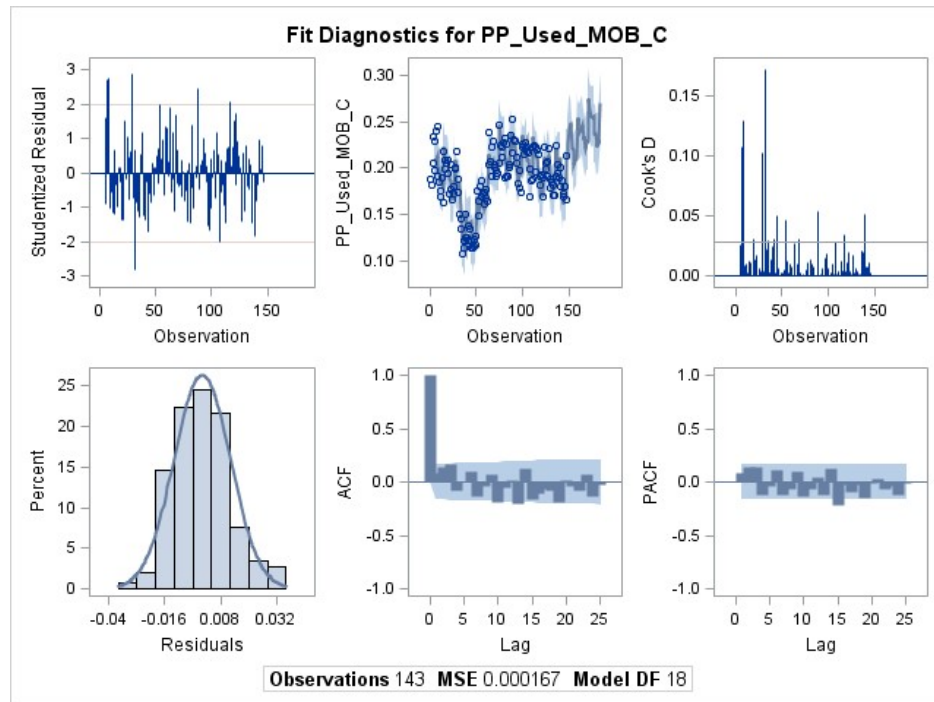
| Tests for ARCH Disturbances Based on OLS Residuals |         |        |         |         |         |          |
|--|---------|--------|---------|---------|---------|----------|
| Order  | Q       | Pr > Q | LM      | Pr > LM | LK      | Pr >  LK |
| 1  | 0.0053  | 0.9418 | 0.0000  | 0.9945  | 0.0070  | 0.9944   |
| 2  | 0.5915  | 0.7440 | 0.5290  | 0.7676  | -0.5042 | 0.6141   |
| 3  | 3.3969  | 0.3344 | 1.9602  | 0.5807  | -0.1570 | 0.8752   |
| 4  | 3.9838  | 0.4082 | 3.5136  | 0.4758  | -1.9133 | 0.0557   |
| 5  | 4.2948  | 0.5078 | 4.1431  | 0.5290  | -2.0075 | 0.0447   |
| 6  | 4.3107  | 0.6347 | 4.5201  | 0.6067  | -2.1143 | 0.0345   |
| 7  | 4.5899  | 0.7099 | 5.1054  | 0.6471  | -2.2067 | 0.0273   |
| 8  | 5.5877  | 0.6933 | 6.8394  | 0.5541  | -2.8107 | 0.0049   |
| 9  | 7.0594  | 0.6309 | 7.0987  | 0.6268  | -2.3257 | 0.0200   |
| 10   | 7.7029  | 0.6578 | 7.1121  | 0.7148  | -2.3123 | 0.0208   |
| 11   | 10.0669 | 0.5244 | 9.8440  | 0.5445  | -2.6027 | 0.0093   |
| 12   | 10.0931 | 0.6078 | 10.6978 | 0.5550  | -2.7360 | 0.0062   |

| Parameter Estimates |    |          |                |         |                |                |
|---------------------|----|----------|----------------|---------|----------------|----------------|
| Variable            | DF | Estimate | Standard Error | t Value | Approx Pr >  t | Variable Label |



|                            |   |           |           |        |        |                  |
|----------------------------|---|-----------|-----------|--------|--------|------------------|
| <b>Intercept</b>           | 1 | 0.1834    | 0.0284    | 6.45   | <.0001 |                  |
| <b>Feb</b>                 | 1 | -0.000770 | 0.003770  | -0.20  | 0.8386 |                  |
| <b>Mar</b>                 | 1 | 0.0436    | 0.003791  | 11.49  | <.0001 |                  |
| <b>Apr</b>                 | 1 | 0.0310    | 0.004895  | 6.34   | <.0001 |                  |
| <b>May</b>                 | 1 | 0.0257    | 0.004711  | 5.45   | <.0001 |                  |
| <b>June</b>                | 1 | 0.0264    | 0.004275  | 6.17   | <.0001 |                  |
| <b>July</b>                | 1 | 0.0253    | 0.004637  | 5.45   | <.0001 |                  |
| <b>Aug</b>                 | 1 | 0.0288    | 0.005501  | 5.23   | <.0001 |                  |
| <b>Sept</b>                | 1 | 0.009703  | 0.004611  | 2.10   | 0.0374 |                  |
| <b>Oct</b>                 | 1 | 0.0100    | 0.004224  | 2.37   | 0.0193 |                  |
| <b>Nov</b>                 | 1 | -0.004734 | 0.003889  | -1.22  | 0.2258 |                  |
| <b>Dec</b>                 | 1 | -0.000991 | 0.004160  | -0.24  | 0.8121 |                  |
| <b>NET_CASH_FLOW_US</b>    | 1 | 0.0000279 | 5.2014E-6 | 5.37   | <.0001 | NET_CASH_FLOW_US |
| <b>NET_CASH_FLOW_US_a4</b> | 1 | 0.0000381 | 5.7267E-6 | 6.66   | <.0001 |                  |
| <b>MBA_MRTG_REFI_US_a1</b> | 1 | 8.9059E-6 | 3.3508E-6 | 2.66   | 0.0089 |                  |
| <b>FEDFUND_US</b>          | 1 | 0.005398  | 0.001311  | 4.12   | <.0001 | FEDFUND_US       |
| <b>FX_USD_BASKET_US_a2</b> | 1 | -0.000995 | 0.000143  | -6.94  | <.0001 |                  |
| <b>CREDIT_CHGOFF_US</b>    | 1 | -0.009982 | 0.000583  | -17.11 | <.0001 | CREDIT_CHGOFF_US |

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**Model with forecast for Scenario 1****The AUTOREG Procedure**

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**Model with forecast for Scenario 2****The AUTOREG Procedure**

|                           |               |
|---------------------------|---------------|
| <b>Dependent Variable</b> | PP_Used_MOB_C |
|                           | PP_Used_MOB_C |

## Model with forecast for Scenario 2

### The AUTOREG Procedure

| Ordinary Least Squares Estimates |            |                       |            |
|----------------------------------|------------|-----------------------|------------|
| <b>SSE</b>                       | 0.02085911 | <b>DFE</b>            | 125        |
| <b>MSE</b>                       | 0.0001669  | <b>Root MSE</b>       | 0.01292    |
| <b>SBC</b>                       | -767.94406 | <b>AIC</b>            | -821.27526 |
| <b>MAE</b>                       | 0.00966252 | <b>AICC</b>           | -815.75913 |
| <b>MAPE</b>                      | 5.27108749 | <b>HQC</b>            | -799.60402 |
|                                  |            | <b>Total R-Square</b> | 0.8617     |

| Miscellaneous Statistics |        |        |            |
|--------------------------|--------|--------|------------|
| Statistic                | Value  | Prob   | Label      |
| Normal Test              | 2.6149 | 0.2705 | Pr > ChiSq |

| Durbin-Watson Statistics |        |         |         |
|--------------------------|--------|---------|---------|
| Order                    | DW     | Pr < DW | Pr > DW |
| 1                        | 1.8206 | 0.0711  | 0.9289  |
| 2                        | 1.6947 | 0.0210  | 0.9790  |
| 3                        | 1.6075 | 0.0083  | 0.9917  |
| 4                        | 2.0316 | 0.5707  | 0.4293  |

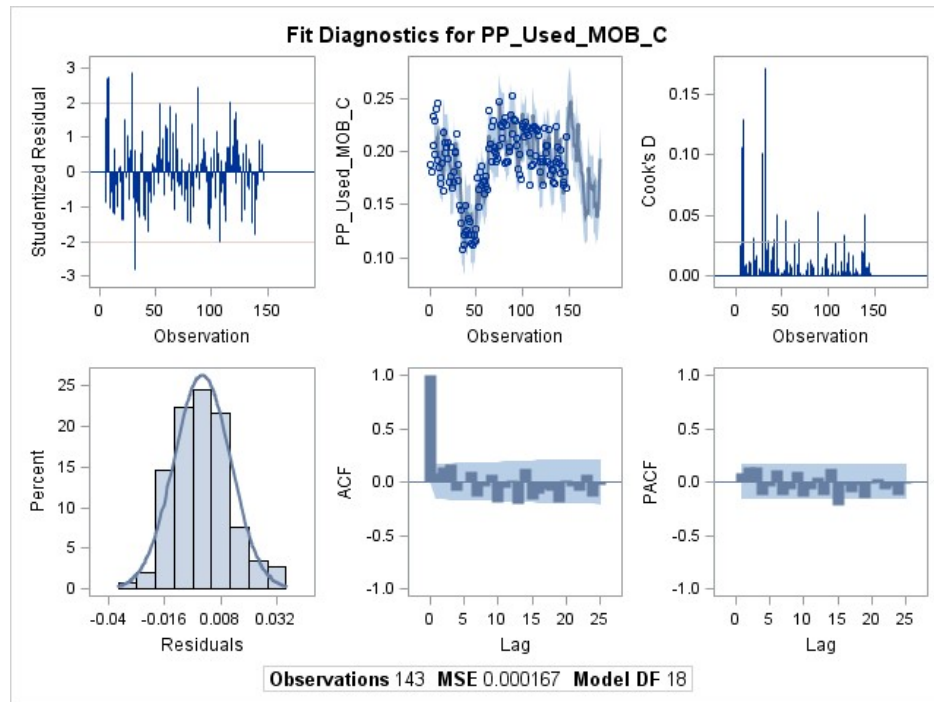
NOTE: Pr<DW is the p-value for testing positive autocorrelation, and Pr>DW is the p-value for testing negative autocorrelation.

| Godfrey's Serial Correlation Test |        |         |
|-----------------------------------|--------|---------|
| Alternative                       | LM     | Pr > LM |
| <b>AR(1)</b>                      | 0.9455 | 0.3309  |
| <b>AR(2)</b>                      | 3.6066 | 0.1648  |
| <b>AR(3)</b>                      | 6.6060 | 0.0856  |
| <b>AR(4)</b>                      | 8.3725 | 0.0788  |

| Tests for ARCH Disturbances Based on OLS Residuals |         |        |         |         |         |          |
|--|---------|--------|---------|---------|---------|----------|
| Order  | Q       | Pr > Q | LM      | Pr > LM | LK      | Pr >  LK |
| 1  | 0.0053  | 0.9418 | 0.0000  | 0.9945  | 0.0070  | 0.9944   |
| 2  | 0.5915  | 0.7440 | 0.5290  | 0.7676  | -0.5042 | 0.6141   |
| 3  | 3.3969  | 0.3344 | 1.9602  | 0.5807  | -0.1570 | 0.8752   |
| 4  | 3.9838  | 0.4082 | 3.5136  | 0.4758  | -1.9133 | 0.0557   |
| 5  | 4.2948  | 0.5078 | 4.1431  | 0.5290  | -2.0075 | 0.0447   |
| 6  | 4.3107  | 0.6347 | 4.5201  | 0.6067  | -2.1143 | 0.0345   |
| 7  | 4.5899  | 0.7099 | 5.1054  | 0.6471  | -2.2067 | 0.0273   |
| 8  | 5.5877  | 0.6933 | 6.8394  | 0.5541  | -2.8107 | 0.0049   |
| 9  | 7.0594  | 0.6309 | 7.0987  | 0.6268  | -2.3257 | 0.0200   |
| 10   | 7.7029  | 0.6578 | 7.1121  | 0.7148  | -2.3123 | 0.0208   |
| 11   | 10.0669 | 0.5244 | 9.8440  | 0.5445  | -2.6027 | 0.0093   |
| 12   | 10.0931 | 0.6078 | 10.6978 | 0.5550  | -2.7360 | 0.0062   |

| Parameter Estimates |    |          |                |         |                |                |
|---------------------|----|----------|----------------|---------|----------------|----------------|
| Variable            | DF | Estimate | Standard Error | t Value | Approx Pr >  t | Variable Label |

|                            |   |           |           |        |        |                  |
|----------------------------|---|-----------|-----------|--------|--------|------------------|
| <b>Intercept</b>           | 1 | 0.1834    | 0.0284    | 6.45   | <.0001 |                  |
| <b>Feb</b>                 | 1 | -0.000770 | 0.003770  | -0.20  | 0.8386 |                  |
| <b>Mar</b>                 | 1 | 0.0436    | 0.003791  | 11.49  | <.0001 |                  |
| <b>Apr</b>                 | 1 | 0.0310    | 0.004895  | 6.34   | <.0001 |                  |
| <b>May</b>                 | 1 | 0.0257    | 0.004711  | 5.45   | <.0001 |                  |
| <b>June</b>                | 1 | 0.0264    | 0.004275  | 6.17   | <.0001 |                  |
| <b>July</b>                | 1 | 0.0253    | 0.004637  | 5.45   | <.0001 |                  |
| <b>Aug</b>                 | 1 | 0.0288    | 0.005501  | 5.23   | <.0001 |                  |
| <b>Sept</b>                | 1 | 0.009703  | 0.004611  | 2.10   | 0.0374 |                  |
| <b>Oct</b>                 | 1 | 0.0100    | 0.004224  | 2.37   | 0.0193 |                  |
| <b>Nov</b>                 | 1 | -0.004734 | 0.003889  | -1.22  | 0.2258 |                  |
| <b>Dec</b>                 | 1 | -0.000991 | 0.004160  | -0.24  | 0.8121 |                  |
| <b>NET_CASH_FLOW_US</b>    | 1 | 0.0000279 | 5.2014E-6 | 5.37   | <.0001 | NET_CASH_FLOW_US |
| <b>NET_CASH_FLOW_US_a4</b> | 1 | 0.0000381 | 5.7267E-6 | 6.66   | <.0001 |                  |
| <b>MBA_MRTG_REFI_US_a1</b> | 1 | 8.9059E-6 | 3.3508E-6 | 2.66   | 0.0089 |                  |
| <b>FEDFUND_US</b>          | 1 | 0.005398  | 0.001311  | 4.12   | <.0001 | FEDFUND_US       |
| <b>FX_USD_BASKET_US_a2</b> | 1 | -0.000995 | 0.000143  | -6.94  | <.0001 |                  |
| <b>CREDIT_CHGOFF_US</b>    | 1 | -0.009982 | 0.000583  | -17.11 | <.0001 | CREDIT_CHGOFF_US |

**Model with forecast for Scenario 2****The AUTOREG Procedure**

### Used MOB Cohort D Prepayment

The REG Procedure  
 Model: MODEL1  
 Dependent Variable: PP\_Used\_MOB\_D PP\_Used\_MOB\_D

|  |     |
|--|-----|
| Number of Observations Read                | 219 |
| Number of Observations Used                | 143 |
| Number of Observations with Missing Values | 76  |

#### Stepwise Selection: Step 0

First 11 Vars Entered: R-Square = 0.2217 and C(p) = 637.4263

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 11  | 0.03714        | 0.00338     | 3.39    | 0.0004 |
| Error                | 131 | 0.13039        | 0.00099533  |         |        |
| Corrected Total      | 142 | 0.16753        |             |         |        |

| Variable                                       | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|--------------------|----------------|------------|---------|--------|
| Intercept                                      | 0.19431            | 0.00911        | 0.45306    | 455.19  | <.0001 |
| * Feb  | 0.00822            | 0.01288        | 0.00040582 | 0.41    | 0.5242 |
| * Mar  | 0.04928            | 0.01288        | 0.01457    | 14.64   | 0.0002 |
| * Apr  | 0.03014            | 0.01317        | 0.00521    | 5.24    | 0.0237 |
| * May  | 0.02401            | 0.01288        | 0.00346    | 3.47    | 0.0646 |
| * June   | 0.03147            | 0.01288        | 0.00594    | 5.97    | 0.0159 |
| * July   | 0.03146            | 0.01288        | 0.00594    | 5.96    | 0.0159 |
| * Aug  | 0.03398            | 0.01288        | 0.00693    | 6.96    | 0.0094 |
| * Sept   | 0.01602            | 0.01288        | 0.00154    | 1.55    | 0.2158 |
| * Oct  | 0.01213            | 0.01288        | 0.00088336 | 0.89    | 0.3479 |
| * Nov  | -0.00262           | 0.01288        | 0.00004111 | 0.04    | 0.8393 |
| * Dec  | -0.00346           | 0.01288        | 0.00007179 | 0.07    | 0.7887 |
| * Forced into the model by the INCLUDE= option |                    |                |            |         |        |

Bounds on condition number: 1.8322, 221

#### Stepwise Selection: Step 1

Variable CREDIT\_CHGOFF\_US Entered: R-Square = 0.8185 and C(p) = 59.3740

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 12  | 0.13713        | 0.01143     | 48.86   | <.0001 |
| Error                | 130 | 0.03040        | 0.00023386  |         |        |

|                        |     |         |  |  |  |
|------------------------|-----|---------|--|--|--|
| <b>Corrected Total</b> | 142 | 0.16753 |  |  |  |
|------------------------|-----|---------|--|--|--|

|  | Variable                | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|-------------------------|--------------------|----------------|------------|---------|--------|
|  | <b>Intercept</b>        | 0.25013            | 0.00517        | 0.54642    | 2336.49 | <.0001 |
| *  | <b>Feb</b>              | 0.00836            | 0.00624        | 0.00041912 | 1.79    | 0.1830 |
| *  | <b>Mar</b>              | 0.04935            | 0.00624        | 0.01461    | 62.48   | <.0001 |
| *  | <b>Apr</b>              | 0.03125            | 0.00638        | 0.00560    | 23.97   | <.0001 |
| *  | <b>May</b>              | 0.02361            | 0.00624        | 0.00334    | 14.30   | 0.0002 |
| *  | <b>June</b>             | 0.03144            | 0.00624        | 0.00593    | 25.35   | <.0001 |
| *  | <b>July</b>             | 0.03164            | 0.00624        | 0.00601    | 25.69   | <.0001 |
| *  | <b>Aug</b>              | 0.03418            | 0.00624        | 0.00701    | 29.98   | <.0001 |
| *  | <b>Sept</b>             | 0.01605            | 0.00624        | 0.00155    | 6.61    | 0.0113 |
| *  | <b>Oct</b>              | 0.01192            | 0.00624        | 0.00085321 | 3.65    | 0.0583 |
| *  | <b>Nov</b>              | -0.00295           | 0.00624        | 0.00005207 | 0.22    | 0.6378 |
| *  | <b>Dec</b>              | -0.00368           | 0.00624        | 0.00008120 | 0.35    | 0.5567 |
|  | <b>CREDIT_CHGOFF_US</b> | -0.01152           | 0.00055729     | 0.09999    | 427.54  | <.0001 |
| * Forced into the model by the INCLUDE= option |                         |                    |                |            |         |        |

Bounds on condition number: 1.8322, 253.1

Stepwise Selection: Step 2

Variable FX\_USD\_BASKET\_US Entered: R-Square = 0.8446 and C(p) = 36.0280

| Analysis of Variance   |     |                |             |         |        |
|------------------------|-----|----------------|-------------|---------|--------|
| Source                 | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| <b>Model</b>           | 13  | 0.14150        | 0.01088     | 53.93   | <.0001 |
| <b>Error</b>           | 129 | 0.02603        | 0.00020181  |         |        |
| <b>Corrected Total</b> | 142 | 0.16753        |             |         |        |

|  | Variable                | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|-------------------------|--------------------|----------------|------------|---------|--------|
|  | <b>Intercept</b>        | 0.32641            | 0.01708        | 0.07367    | 365.04  | <.0001 |
| *  | <b>Feb</b>              | 0.00841            | 0.00580        | 0.00042479 | 2.10    | 0.1493 |
| *  | <b>Mar</b>              | 0.04926            | 0.00580        | 0.01456    | 72.14   | <.0001 |
| *  | <b>Apr</b>              | 0.03031            | 0.00593        | 0.00527    | 26.09   | <.0001 |
| *  | <b>May</b>              | 0.02233            | 0.00581        | 0.00298    | 14.79   | 0.0002 |
| *  | <b>June</b>             | 0.03001            | 0.00581        | 0.00539    | 26.70   | <.0001 |
| *  | <b>July</b>             | 0.03023            | 0.00581        | 0.00547    | 27.09   | <.0001 |
| *  | <b>Aug</b>              | 0.03290            | 0.00581        | 0.00648    | 32.10   | <.0001 |
| *  | <b>Sept</b>             | 0.01497            | 0.00580        | 0.00134    | 6.65    | 0.0110 |
| *  | <b>Oct</b>              | 0.01110            | 0.00580        | 0.00073912 | 3.66    | 0.0579 |
| *  | <b>Nov</b>              | -0.00347           | 0.00580        | 0.00007222 | 0.36    | 0.5507 |
| *  | <b>Dec</b>              | -0.00390           | 0.00580        | 0.00009146 | 0.45    | 0.5020 |
|  | <b>FX_USD_BASKET_US</b> | -0.00066211        | 0.00014230     | 0.00437    | 21.65   | <.0001 |
|  | <b>CREDIT_CHGOFF_US</b> | -0.01248           | 0.00055736     | 0.10124    | 501.69  | <.0001 |
| * Forced into the model by the INCLUDE= option |                         |                    |                |            |         |        |



Bounds on condition number: 1.8373, 291.79

Stepwise Selection: Step 3

Variable MORT\_DELQ\_PCT\_OH\_a4 Entered: R-Square = 0.8599 and C(p) = 23.1446

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 14  | 0.14406        | 0.01029     | 56.13   | <.0001 |
| Error                | 128 | 0.02347        | 0.00018334  |         |        |
| Corrected Total      | 142 | 0.16753        |             |         |        |

| Variable                                       | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|--------------------|----------------|------------|---------|--------|
| Intercept                                      | 0.31303            | 0.01667        | 0.06464    | 352.54  | <.0001 |
| * Feb  | 0.00857            | 0.00553        | 0.00044075 | 2.40    | 0.1235 |
| * Mar  | 0.04946            | 0.00553        | 0.01468    | 80.06   | <.0001 |
| * Apr  | 0.03041            | 0.00566        | 0.00530    | 28.91   | <.0001 |
| * May  | 0.02189            | 0.00554        | 0.00287    | 15.64   | 0.0001 |
| * June   | 0.02974            | 0.00554        | 0.00529    | 28.86   | <.0001 |
| * July   | 0.02999            | 0.00554        | 0.00538    | 29.35   | <.0001 |
| * Aug  | 0.03248            | 0.00554        | 0.00631    | 34.44   | <.0001 |
| * Sept   | 0.01430            | 0.00554        | 0.00122    | 6.68    | 0.0109 |
| * Oct  | 0.01032            | 0.00553        | 0.00063742 | 3.48    | 0.0645 |
| * Nov  | -0.00410           | 0.00553        | 0.00010071 | 0.55    | 0.4600 |
| * Dec  | -0.00421           | 0.00553        | 0.00010615 | 0.58    | 0.4481 |
| FX_USD_BASKET_US                               | -0.00057989        | 0.00013740     | 0.00327    | 17.81   | <.0001 |
| MORT_DELQ_PCT_OH_a4                            | 0.00610            | 0.00163        | 0.00257    | 13.99   | 0.0003 |
| CREDIT_CHGOFF_US                               | -0.01355           | 0.00060304     | 0.09258    | 504.98  | <.0001 |
| * Forced into the model by the INCLUDE= option |                    |                |            |         |        |

Bounds on condition number: 1.8376, 339.72

Stepwise Selection: Step 4

Variable LT\_VHL\_SALES\_US Entered: R-Square = 0.8673 and C(p) = 17.9378

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 15  | 0.14531        | 0.00969     | 55.35   | <.0001 |
| Error                | 127 | 0.02223        | 0.00017500  |         |        |
| Corrected Total      | 142 | 0.16753        |             |         |        |

| Variable  | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|-----------|--------------------|----------------|------------|---------|--------|
| Intercept | 0.28153            | 0.02013        | 0.03424    | 195.65  | <.0001 |
| * Feb     | 0.00850            | 0.00540        | 0.00043350 | 2.48    | 0.1180 |

|  |                     |             |            |            |       |        |
|--|---------------------|-------------|------------|------------|-------|--------|
| *  | Mar                 | 0.04936     | 0.00540    | 0.01461    | 83.51 | <.0001 |
| *  | Apr                 | 0.03042     | 0.00553    | 0.00530    | 30.31 | <.0001 |
| *  | May                 | 0.02178     | 0.00541    | 0.00284    | 16.22 | <.0001 |
| *  | June                | 0.02921     | 0.00541    | 0.00510    | 29.12 | <.0001 |
| *  | July                | 0.02904     | 0.00542    | 0.00502    | 28.71 | <.0001 |
| *  | Aug                 | 0.03139     | 0.00542    | 0.00586    | 33.50 | <.0001 |
| *  | Sept                | 0.01345     | 0.00542    | 0.00108    | 6.16  | 0.0144 |
| *  | Oct                 | 0.00990     | 0.00541    | 0.00058557 | 3.35  | 0.0697 |
| *  | Nov                 | -0.00417    | 0.00540    | 0.00010433 | 0.60  | 0.4415 |
| *  | Dec                 | -0.00416    | 0.00540    | 0.00010400 | 0.59  | 0.4422 |
|  | LT_VHL_SALES_US     | 0.00311     | 0.00117    | 0.00124    | 7.10  | 0.0087 |
|  | FX_USD_BASKET_US    | -0.00082091 | 0.00016188 | 0.00450    | 25.72 | <.0001 |
|  | MORT_DELQ_PCT_OH_a4 | 0.00487     | 0.00166    | 0.00151    | 8.62  | 0.0039 |
|  | CREDIT_CHGOFF_US    | -0.01080    | 0.00119    | 0.01440    | 82.30 | <.0001 |
| * Forced into the model by the INCLUDE= option |                     |             |            |            |       |        |

Bounds on condition number: 6.4791, 540.64

Stepwise Selection: Step 5

Variable FX\_USD\_BASKET\_US\_a4 Entered: R-Square = 0.8725 and C(p) = 14.8860

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 16  | 0.14618        | 0.00914     | 53.91   | <.0001 |
| Error                | 126 | 0.02135        | 0.00016948  |         |        |
| Corrected Total      | 142 | 0.16753        |             |         |        |

| Variable            | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|---------------------|--------------------|----------------|------------|---------|--------|
| Intercept           | 0.27040            | 0.02041        | 0.02976    | 175.59  | <.0001 |
| * Feb               | 0.00880            | 0.00532        | 0.00046416 | 2.74    | 0.1004 |
| * Mar               | 0.05020            | 0.00533        | 0.01505    | 88.77   | <.0001 |
| * Apr               | 0.03187            | 0.00548        | 0.00574    | 33.88   | <.0001 |
| * May               | 0.02403            | 0.00541        | 0.00334    | 19.70   | <.0001 |
| * June              | 0.03157            | 0.00543        | 0.00573    | 33.84   | <.0001 |
| * July              | 0.03097            | 0.00540        | 0.00557    | 32.87   | <.0001 |
| * Aug               | 0.03261            | 0.00536        | 0.00626    | 36.95   | <.0001 |
| * Sept              | 0.01404            | 0.00534        | 0.00117    | 6.91    | 0.0096 |
| * Oct               | 0.01010            | 0.00532        | 0.00060962 | 3.60    | 0.0602 |
| * Nov               | -0.00416           | 0.00532        | 0.00010372 | 0.61    | 0.4355 |
| * Dec               | -0.00423           | 0.00532        | 0.00010724 | 0.63    | 0.4278 |
| LT_VHL_SALES_US     | 0.00448            | 0.00130        | 0.00202    | 11.92   | 0.0008 |
| FX_USD_BASKET_US    | -0.00013352        | 0.00034255     | 0.00002575 | 0.15    | 0.6973 |
| FX_USD_BASKET_US_a4 | -0.00084649        | 0.00037344     | 0.00087080 | 5.14    | 0.0251 |
| MORT_DELQ_PCT_OH_a4 | 0.00532            | 0.00164        | 0.00178    | 10.48   | 0.0015 |
| CREDIT_CHGOFF_US    | -0.00960           | 0.00128        | 0.00947    | 55.87   | <.0001 |

\* Forced into the model by the INCLUDE= option

Bounds on condition number: 9.208, 878.13

Stepwise Selection: Step 6

Variable FX\_USD\_BASKET\_US Removed: R-Square = 0.8724 and C(p) = 13.0354

| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 15  | 0.14615        | 0.00974     | 57.88   | <.0001 |
| Error                | 127 | 0.02138        | 0.00016835  |         |        |
| Corrected Total      | 142 | 0.16753        |             |         |        |

|  | Variable            | Parameter Estimate | Standard Error | Type II SS | F Value | Pr > F |
|--|---------------------|--------------------|----------------|------------|---------|--------|
|  | Intercept           | 0.26757            | 0.01901        | 0.03335    | 198.12  | <.0001 |
| *  | Feb                 | 0.00885            | 0.00530        | 0.00046941 | 2.79    | 0.0974 |
| *  | Mar                 | 0.05034            | 0.00530        | 0.01519    | 90.25   | <.0001 |
| *  | Apr                 | 0.03212            | 0.00542        | 0.00591    | 35.12   | <.0001 |
| *  | May                 | 0.02441            | 0.00531        | 0.00356    | 21.15   | <.0001 |
| *  | June                | 0.03199            | 0.00530        | 0.00613    | 36.41   | <.0001 |
| *  | July                | 0.03134            | 0.00530        | 0.00589    | 34.96   | <.0001 |
| *  | Aug                 | 0.03287            | 0.00530        | 0.00646    | 38.39   | <.0001 |
| *  | Sept                | 0.01418            | 0.00531        | 0.00120    | 7.15    | 0.0085 |
| *  | Oct                 | 0.01016            | 0.00530        | 0.00061822 | 3.67    | 0.0576 |
| *  | Nov                 | -0.00414           | 0.00530        | 0.00010293 | 0.61    | 0.4357 |
| *  | Dec                 | -0.00424           | 0.00530        | 0.00010758 | 0.64    | 0.4256 |
|  | LT_VHL_SALES_US     | 0.00458            | 0.00127        | 0.00218    | 12.95   | 0.0005 |
|  | FX_USD_BASKET_US_a4 | -0.00097535        | 0.00017309     | 0.00535    | 31.75   | <.0001 |
|  | MORT_DELQ_PCT_OH_a4 | 0.00547            | 0.00159        | 0.00199    | 11.83   | 0.0008 |
|  | CREDIT_CHGOFF_US    | -0.00950           | 0.00125        | 0.00966    | 57.38   | <.0001 |
| * Forced into the model by the INCLUDE= option |                     |                    |                |            |         |        |

Bounds on condition number: 8.0098, 579.97

All variables left in the model are required or significant at the 0.1000 level.

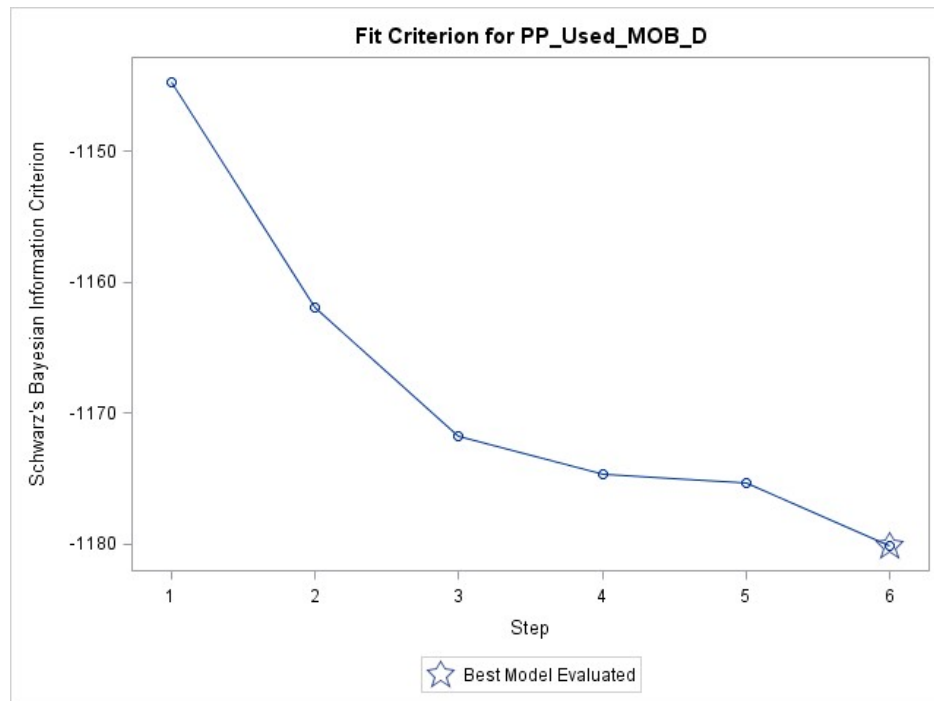
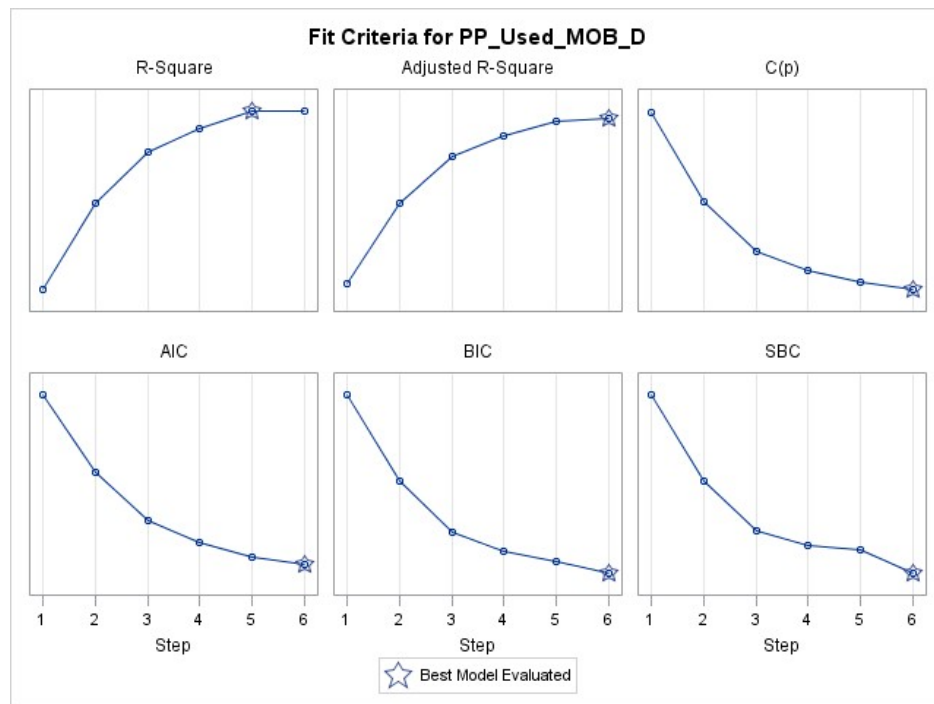
No other variable met the 0.1000 significance level for entry into the model.

| Summary of Stepwise Selection |                     |                  |                  |                |                  |                |         |         |        |
|-------------------------------|---------------------|------------------|------------------|----------------|------------------|----------------|---------|---------|--------|
| Step                          | Variable Entered    | Variable Removed | Label            | Number Vars In | Partial R-Square | Model R-Square | C(p)    | F Value | Pr > F |
| 1                             | CREDIT_CHGOFF_US    |                  | CREDIT_CHGOFF_US | 12             | 0.5968           | 0.8185         | 59.3740 | 427.54  | <.0001 |
| 2                             | FX_USD_BASKET_US    |                  | FX_USD_BASKET_US | 13             | 0.0261           | 0.8446         | 36.0280 | 21.65   | <.0001 |
| 3                             | MORT_DELQ_PCT_OH_a4 |                  |                  | 14             | 0.0153           | 0.8599         | 23.1446 | 13.99   | 0.0003 |

|   |                     |                  |                  |    |        |        |         |      |        |
|---|---------------------|------------------|------------------|----|--------|--------|---------|------|--------|
| 4 | LT_VHL_SALES_US     |                  | LT_VHL_SALES_US  | 15 | 0.0074 | 0.8673 | 17.9378 | 7.10 | 0.0087 |
| 5 | FX_USD_BASKET_US_a4 |                  |                  | 16 | 0.0052 | 0.8725 | 14.8860 | 5.14 | 0.0251 |
| 6 |                     | FX_USD_BASKET_US | FX_USD_BASKET_US | 15 | 0.0002 | 0.8724 | 13.0354 | 0.15 | 0.6973 |

## Used MOB Cohort D Prepayment

The REG Procedure  
Model: MODEL1  
Dependent Variable: PP\_Used\_MOB\_D PP\_Used\_MOB\_D



## Used MOB Cohort D Prepayment

The REG Procedure  
 Model: MODEL1  
 Dependent Variable: PP\_Used\_MOB\_D PP\_Used\_MOB\_D

|  |     |
|--|-----|
| Number of Observations Read                | 219 |
| Number of Observations Used                | 143 |
| Number of Observations with Missing Values | 76  |

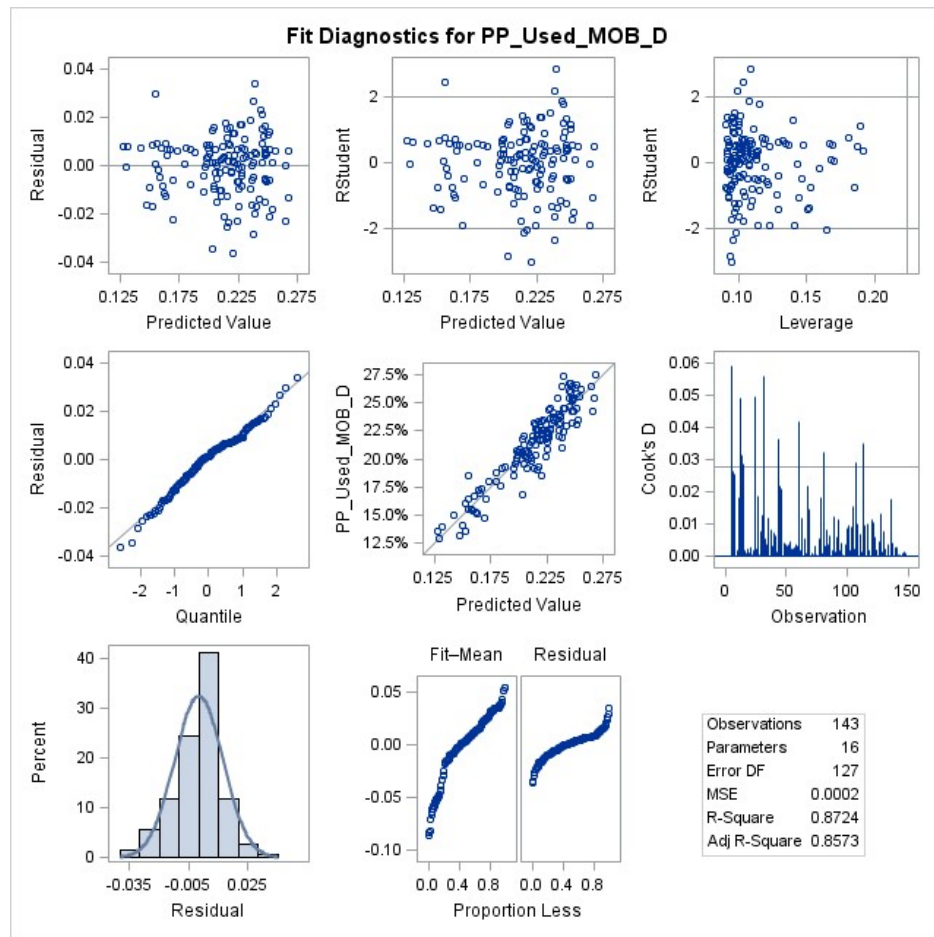
| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 15  | 0.14615        | 0.00974     | 57.88   | <.0001 |
| Error                | 127 | 0.02138        | 0.00016835  |         |        |
| Corrected Total      | 142 | 0.16753        |             |         |        |

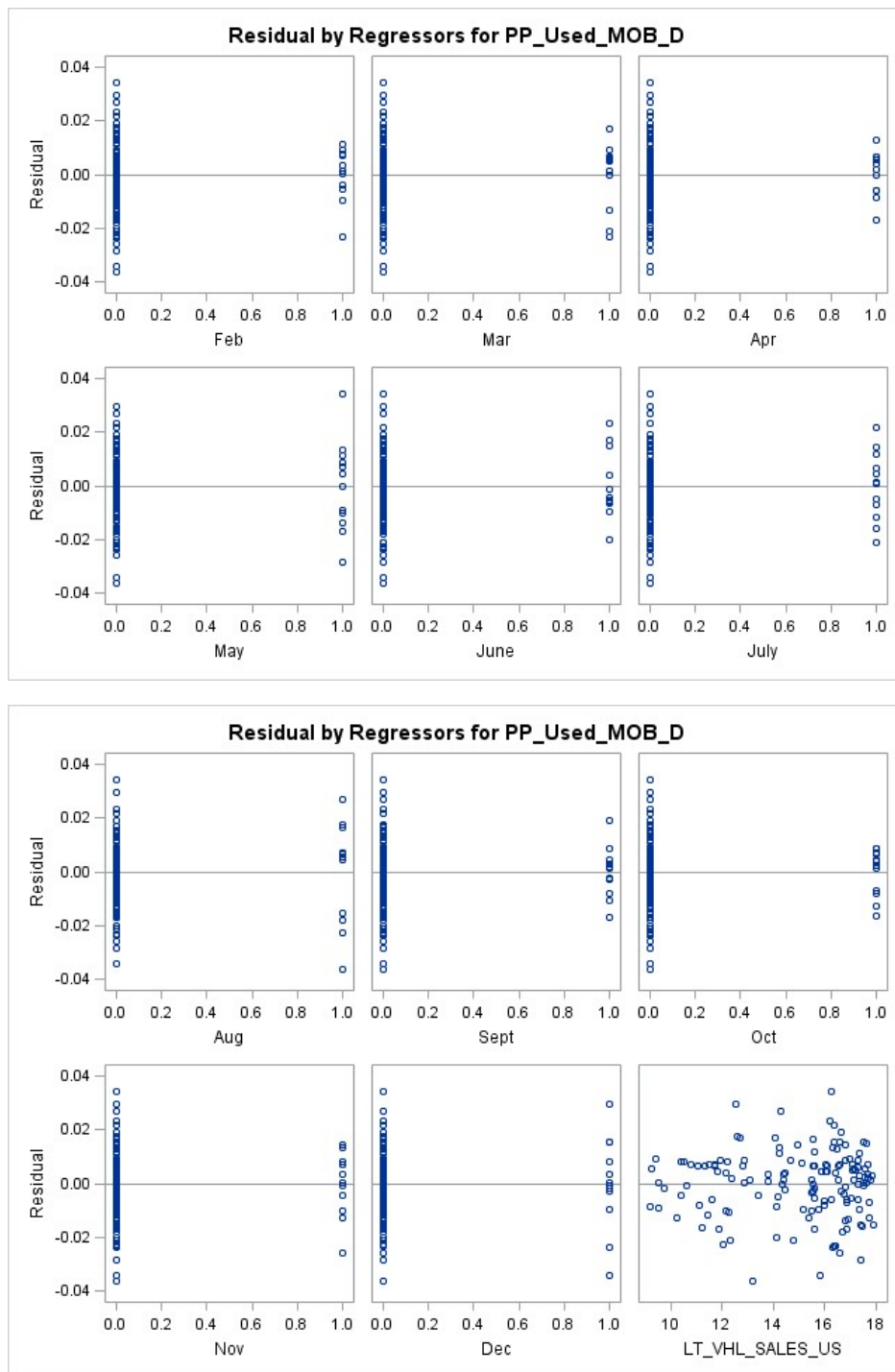
|                |         |          |        |
|----------------|---------|----------|--------|
| Root MSE       | 0.01297 | R-Square | 0.8724 |
| Dependent Mean | 0.21345 | Adj R-Sq | 0.8573 |
| Coeff Var      | 6.07871 |          |        |

| Parameter Estimates |                  |    |                    |                |         |         |                    |
|---------------------|------------------|----|--------------------|----------------|---------|---------|--------------------|
| Variable            | Label            | DF | Parameter Estimate | Standard Error | t Value | Pr >  t | Variance Inflation |
| Intercept           | Intercept        | 1  | 0.26757            | 0.01901        | 14.08   | <.0001  | 0                  |
| Feb                 |                  | 1  | 0.00885            | 0.00530        | 1.67    | 0.0974  | 1.83249            |
| Mar                 |                  | 1  | 0.05034            | 0.00530        | 9.50    | <.0001  | 1.83354            |
| Apr                 |                  | 1  | 0.03212            | 0.00542        | 5.93    | <.0001  | 1.77164            |
| May                 |                  | 1  | 0.02441            | 0.00531        | 4.60    | <.0001  | 1.83902            |
| June                |                  | 1  | 0.03199            | 0.00530        | 6.03    | <.0001  | 1.83540            |
| July                |                  | 1  | 0.03134            | 0.00530        | 5.91    | <.0001  | 1.83424            |
| Aug                 |                  | 1  | 0.03287            | 0.00530        | 6.20    | <.0001  | 1.83724            |
| Sept                |                  | 1  | 0.01418            | 0.00531        | 2.67    | 0.0085  | 1.83837            |
| Oct                 |                  | 1  | 0.01016            | 0.00530        | 1.92    | 0.0576  | 1.83677            |
| Nov                 |                  | 1  | -0.00414           | 0.00530        | -0.78   | 0.4357  | 1.83451            |
| Dec                 |                  | 1  | -0.00424           | 0.00530        | -0.80   | 0.4256  | 1.83274            |
| LT_VHL_SALES_US     | LT_VHL_SALES_US  | 1  | 0.00458            | 0.00127        | 3.60    | 0.0005  | 8.00984            |
| FX_USD_BASKET_US_a4 |                  | 1  | -0.00097535        | 0.00017309     | -5.63   | <.0001  | 1.99149            |
| MORT_DELQ_PCT_OH_a4 |                  | 1  | 0.00547            | 0.00159        | 3.44    | 0.0008  | 1.50071            |
| CREDIT_CHGOFF_US    | CREDIT_CHGOFF_US | 1  | -0.00950           | 0.00125        | -7.58   | <.0001  | 7.03688            |

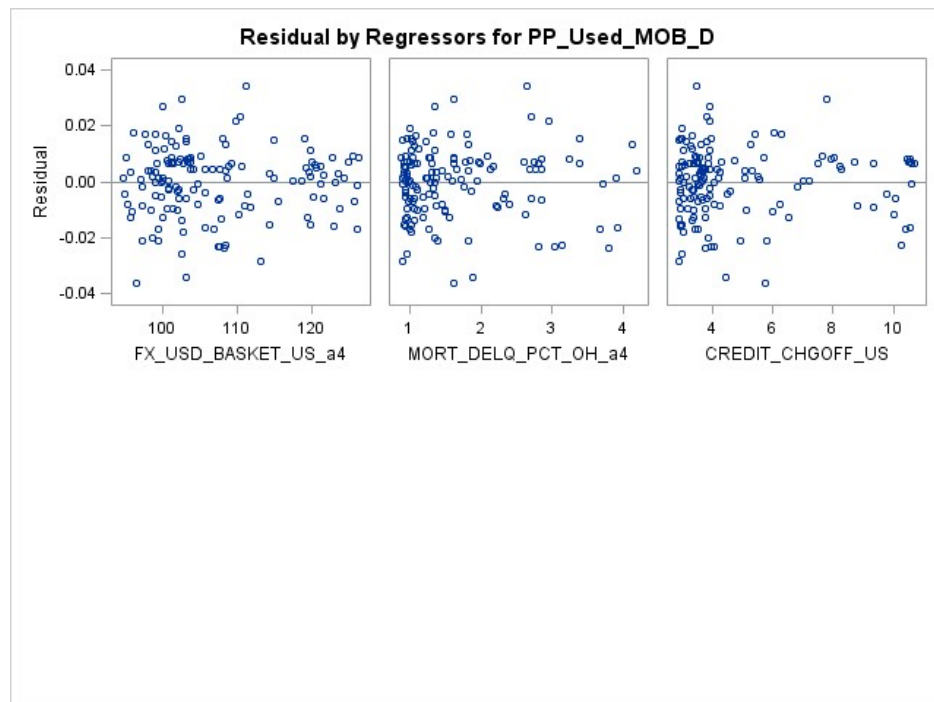
## Used MOB Cohort D Prepayment

The REG Procedure  
Model: MODEL1  
Dependent Variable: PP\_Used\_MOB\_D PP\_Used\_MOB\_D









### Refined Regression

The REG Procedure  
 Model: MODEL1  
 Dependent Variable: PP\_Used\_MOB\_D PP\_Used\_MOB\_D

|  |     |
|--|-----|
| Number of Observations Read                | 219 |
| Number of Observations Used                | 143 |
| Number of Observations with Missing Values | 76  |

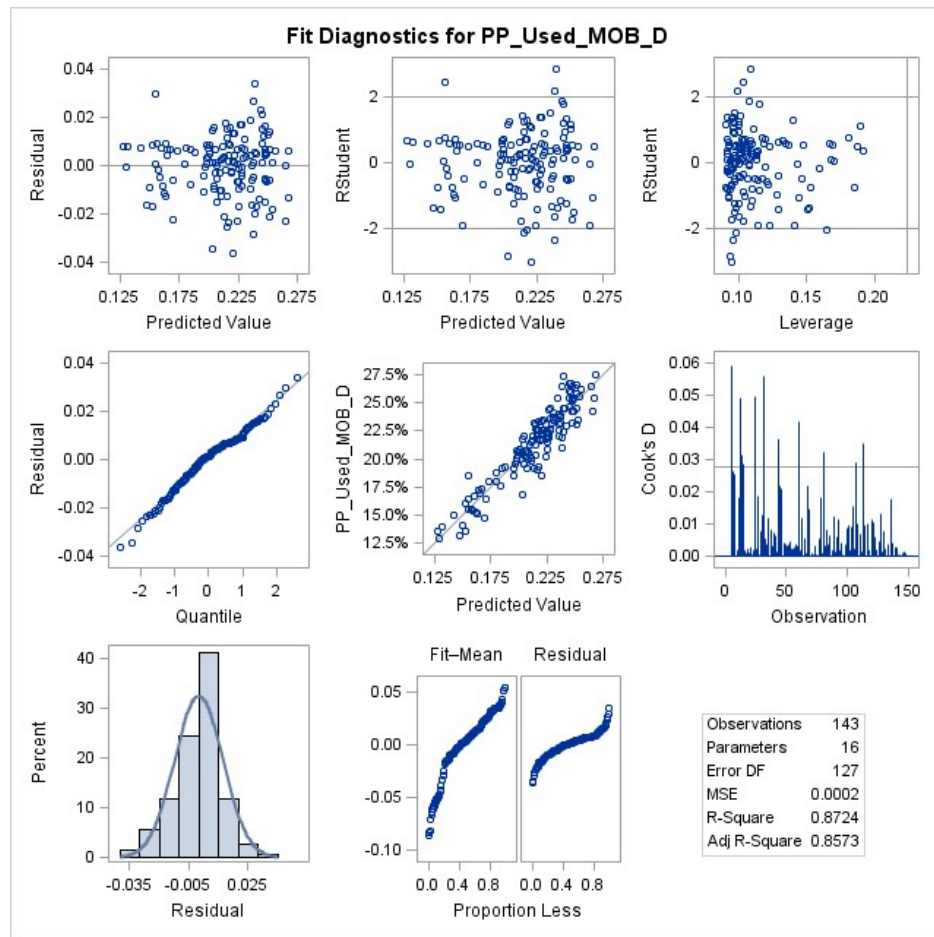
| Analysis of Variance |     |                |             |         |        |
|----------------------|-----|----------------|-------------|---------|--------|
| Source               | DF  | Sum of Squares | Mean Square | F Value | Pr > F |
| Model                | 15  | 0.14615        | 0.00974     | 57.88   | <.0001 |
| Error                | 127 | 0.02138        | 0.00016835  |         |        |
| Corrected Total      | 142 | 0.16753        |             |         |        |

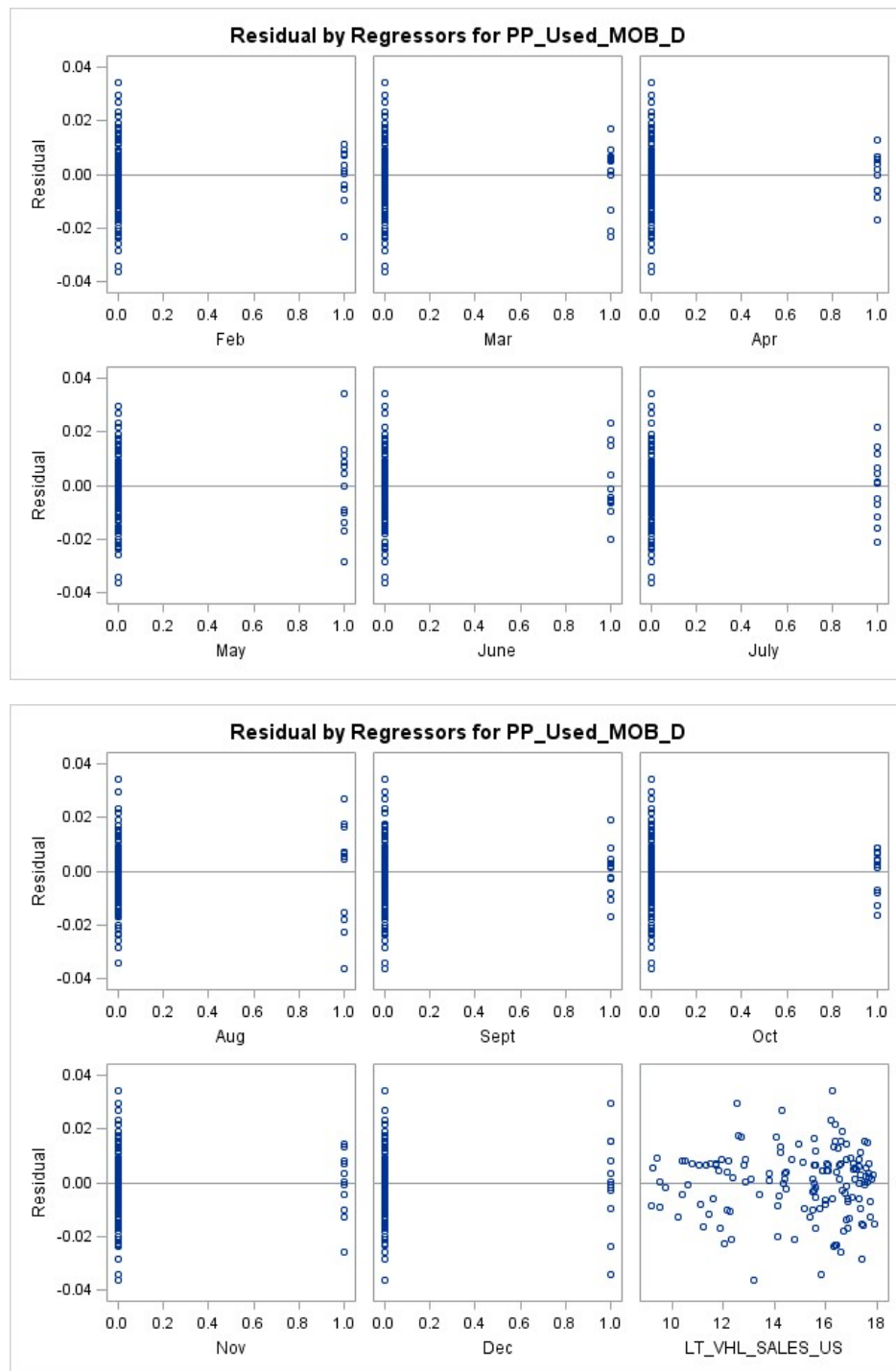
|                |         |          |        |
|----------------|---------|----------|--------|
| Root MSE       | 0.01297 | R-Square | 0.8724 |
| Dependent Mean | 0.21345 | Adj R-Sq | 0.8573 |
| Coeff Var      | 6.07871 |          |        |

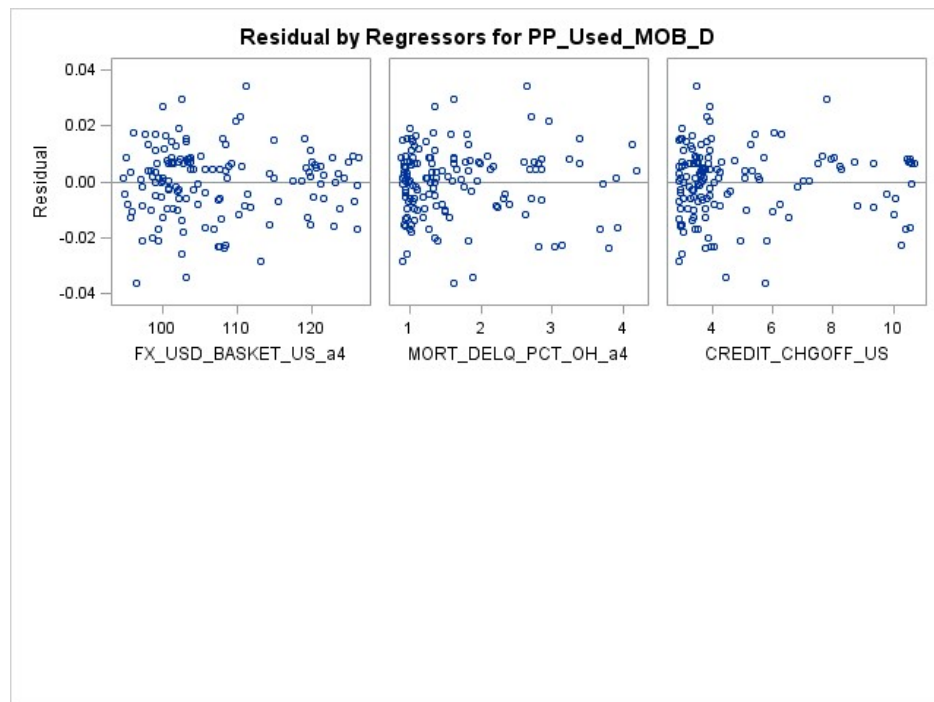
| Parameter Estimates |                  |    |                    |                |         |         |                    |
|---------------------|------------------|----|--------------------|----------------|---------|---------|--------------------|
| Variable            | Label            | DF | Parameter Estimate | Standard Error | t Value | Pr >  t | Variance Inflation |
| Intercept           | Intercept        | 1  | 0.26757            | 0.01901        | 14.08   | <.0001  | 0                  |
| Feb                 |                  | 1  | 0.00885            | 0.00530        | 1.67    | 0.0974  | 1.83249            |
| Mar                 |                  | 1  | 0.05034            | 0.00530        | 9.50    | <.0001  | 1.83354            |
| Apr                 |                  | 1  | 0.03212            | 0.00542        | 5.93    | <.0001  | 1.77164            |
| May                 |                  | 1  | 0.02441            | 0.00531        | 4.60    | <.0001  | 1.83902            |
| June                |                  | 1  | 0.03199            | 0.00530        | 6.03    | <.0001  | 1.83540            |
| July                |                  | 1  | 0.03134            | 0.00530        | 5.91    | <.0001  | 1.83424            |
| Aug                 |                  | 1  | 0.03287            | 0.00530        | 6.20    | <.0001  | 1.83724            |
| Sept                |                  | 1  | 0.01418            | 0.00531        | 2.67    | 0.0085  | 1.83837            |
| Oct                 |                  | 1  | 0.01016            | 0.00530        | 1.92    | 0.0576  | 1.83677            |
| Nov                 |                  | 1  | -0.00414           | 0.00530        | -0.78   | 0.4357  | 1.83451            |
| Dec                 |                  | 1  | -0.00424           | 0.00530        | -0.80   | 0.4256  | 1.83274            |
| LT_VHL_SALES_US     | LT_VHL_SALES_US  | 1  | 0.00458            | 0.00127        | 3.60    | 0.0005  | 8.00984            |
| FX_USD_BASKET_US_a4 |                  | 1  | -0.00097535        | 0.00017309     | -5.63   | <.0001  | 1.99149            |
| MORT_DELQ_PCT_OH_a4 |                  | 1  | 0.00547            | 0.00159        | 3.44    | 0.0008  | 1.50071            |
| CREDIT_CHGOFF_US    | CREDIT_CHGOFF_US | 1  | -0.00950           | 0.00125        | -7.58   | <.0001  | 7.03688            |

## Refined Regression

The REG Procedure  
Model: MODEL1  
Dependent Variable: PP\_Used\_MOB\_D PP\_Used\_MOB\_D







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**Model with forecast for Scenario 1****The AUTOREG Procedure**

|                           |               |
|---------------------------|---------------|
| <b>Dependent Variable</b> | PP_Used_MOB_D |
|                           | PP_Used_MOB_D |

### Model with forecast for Scenario 1

#### The AUTOREG Procedure

| Ordinary Least Squares Estimates |            |                       |            |
|----------------------------------|------------|-----------------------|------------|
| <b>SSE</b>                       | 0.02138047 | <b>DFE</b>            | 127        |
| <b>MSE</b>                       | 0.0001684  | <b>Root MSE</b>       | 0.01297    |
| <b>SBC</b>                       | -774.33952 | <b>AIC</b>            | -821.74503 |
| <b>MAE</b>                       | 0.00954199 | <b>AICC</b>           | -817.42757 |
| <b>MAPE</b>                      | 4.59726239 | <b>HQC</b>            | -802.4817  |
|                                  |            | <b>Total R-Square</b> | 0.8724     |

| Miscellaneous Statistics |        |        |            |
|--------------------------|--------|--------|------------|
| Statistic                | Value  | Prob   | Label      |
| Normal Test              | 3.4596 | 0.1773 | Pr > ChiSq |

| Durbin-Watson Statistics |        |         |         |
|--------------------------|--------|---------|---------|
| Order                    | DW     | Pr < DW | Pr > DW |
| 1                        | 1.9307 | 0.2520  | 0.7480  |
| 2                        | 1.8581 | 0.1640  | 0.8360  |
| 3                        | 1.4674 | 0.0008  | 0.9992  |
| 4                        | 2.1740 | 0.8553  | 0.1447  |

NOTE: Pr<DW is the p-value for testing positive autocorrelation, and Pr>DW is the p-value for testing negative autocorrelation.

| Godfrey's Serial Correlation Test |        |         |
|-----------------------------------|--------|---------|
| Alternative                       | LM     | Pr > LM |
| <b>AR(1)</b>                      | 0.0066 | 0.9353  |
| <b>AR(2)</b>                      | 0.1353 | 0.9346  |
| <b>AR(3)</b>                      | 6.7372 | 0.0808  |
| <b>AR(4)</b>                      | 9.7864 | 0.0442  |

| Tests for ARCH Disturbances Based on OLS Residuals |         |        |         |         |         |          |
|--|---------|--------|---------|---------|---------|----------|
| Order  | Q       | Pr > Q | LM      | Pr > LM | LK      | Pr >  LK |
| 1  | 0.7543  | 0.3851 | 0.2849  | 0.5935  | 0.5858  | 0.5580   |
| 2  | 1.2299  | 0.5407 | 0.3527  | 0.8383  | 0.0979  | 0.9220   |
| 3  | 2.1634  | 0.5392 | 0.5365  | 0.9108  | -0.1580 | 0.8745   |
| 4  | 7.1251  | 0.1294 | 6.1923  | 0.1852  | -1.2270 | 0.2198   |
| 5  | 7.2862  | 0.2002 | 6.4394  | 0.2658  | -1.2240 | 0.2210   |
| 6  | 7.3156  | 0.2926 | 6.4394  | 0.3758  | -1.0003 | 0.3172   |
| 7  | 7.3156  | 0.3968 | 6.4459  | 0.4888  | -1.1103 | 0.2669   |
| 8  | 12.5296 | 0.1291 | 7.9318  | 0.4402  | -1.0260 | 0.3049   |
| 9  | 15.0887 | 0.0885 | 8.3399  | 0.5003  | -0.7523 | 0.4519   |
| 10   | 15.1104 | 0.1281 | 9.0654  | 0.5259  | -1.6351 | 0.1020   |
| 11   | 15.7121 | 0.1522 | 11.3599 | 0.4136  | -2.7877 | 0.0053   |
| 12   | 16.4851 | 0.1700 | 11.9883 | 0.4466  | -2.3967 | 0.0165   |

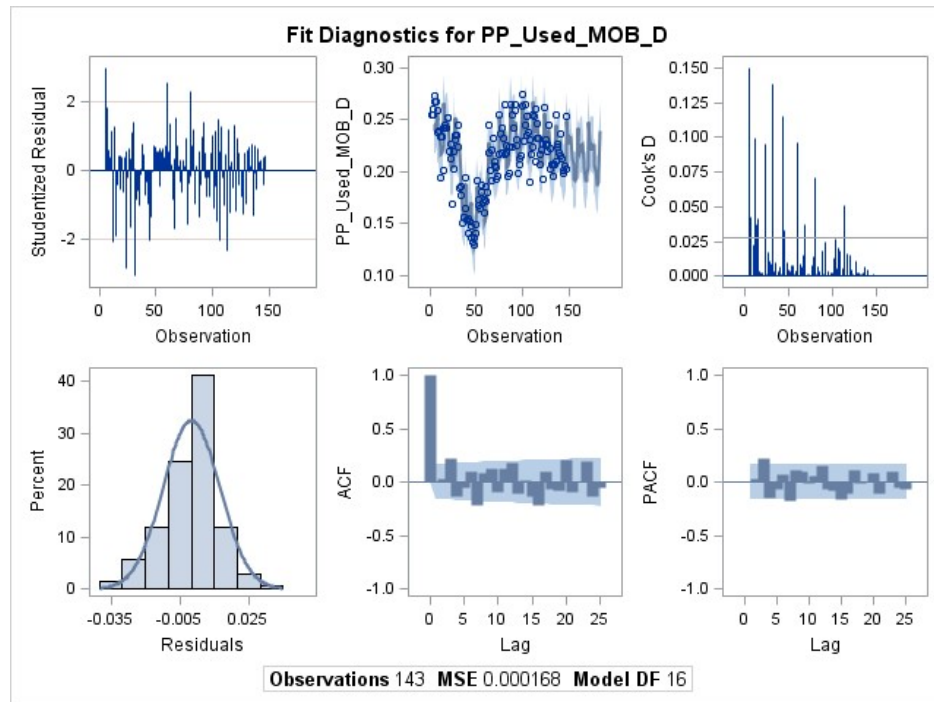
| Parameter Estimates |    |          |                |         |                |                |
|---------------------|----|----------|----------------|---------|----------------|----------------|
| Variable            | DF | Estimate | Standard Error | t Value | Approx Pr >  t | Variable Label |

|                            |   |           |          |       |        |                  |
|----------------------------|---|-----------|----------|-------|--------|------------------|
| <b>Intercept</b>           | 1 | 0.2676    | 0.0177   | 15.16 | <.0001 |                  |
| <b>Feb</b>                 | 1 | 0.008846  | 0.004362 | 2.03  | 0.0446 |                  |
| <b>Mar</b>                 | 1 | 0.0503    | 0.004374 | 11.51 | <.0001 |                  |
| <b>Apr</b>                 | 1 | 0.0321    | 0.003633 | 8.84  | <.0001 |                  |
| <b>May</b>                 | 1 | 0.0244    | 0.005197 | 4.70  | <.0001 |                  |
| <b>June</b>                | 1 | 0.0320    | 0.004204 | 7.61  | <.0001 |                  |
| <b>July</b>                | 1 | 0.0313    | 0.004291 | 7.30  | <.0001 |                  |
| <b>Aug</b>                 | 1 | 0.0329    | 0.005790 | 5.68  | <.0001 |                  |
| <b>Sept</b>                | 1 | 0.0142    | 0.003572 | 3.97  | 0.0001 |                  |
| <b>Oct</b>                 | 1 | 0.0102    | 0.003546 | 2.87  | 0.0049 |                  |
| <b>Nov</b>                 | 1 | -0.004144 | 0.003879 | -1.07 | 0.2874 |                  |
| <b>Dec</b>                 | 1 | -0.004235 | 0.005567 | -0.76 | 0.4482 |                  |
| <b>LT_VHL_SALES_US</b>     | 1 | 0.004577  | 0.000981 | 4.66  | <.0001 | LT_VHL_SALES_US  |
| <b>FX_USD_BASKET_US_a4</b> | 1 | -0.000975 | 0.000112 | -8.72 | <.0001 |                  |
| <b>MORT_DELQ_PCT_OH_a4</b> | 1 | 0.005472  | 0.001971 | 2.78  | 0.0063 |                  |
| <b>CREDIT_CHGOFF_US</b>    | 1 | -0.009501 | 0.001282 | -7.41 | <.0001 | CREDIT_CHGOFF_US |



## Model with forecast for Scenario 1

## The AUTOREG Procedure



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**Model with forecast for Scenario 2****The AUTOREG Procedure**

|                           |               |
|---------------------------|---------------|
| <b>Dependent Variable</b> | PP_Used_MOB_D |
|                           | PP_Used_MOB_D |

## Model with forecast for Scenario 2

### The AUTOREG Procedure

| Ordinary Least Squares Estimates |            |                       |            |
|----------------------------------|------------|-----------------------|------------|
| <b>SSE</b>                       | 0.02138047 | <b>DFE</b>            | 127        |
| <b>MSE</b>                       | 0.0001684  | <b>Root MSE</b>       | 0.01297    |
| <b>SBC</b>                       | -774.33952 | <b>AIC</b>            | -821.74503 |
| <b>MAE</b>                       | 0.00954199 | <b>AICC</b>           | -817.42757 |
| <b>MAPE</b>                      | 4.59726239 | <b>HQC</b>            | -802.4817  |
|                                  |            | <b>Total R-Square</b> | 0.8724     |

| Miscellaneous Statistics |        |        |            |
|--------------------------|--------|--------|------------|
| Statistic                | Value  | Prob   | Label      |
| Normal Test              | 3.4596 | 0.1773 | Pr > ChiSq |

| Durbin-Watson Statistics |        |         |         |
|--------------------------|--------|---------|---------|
| Order                    | DW     | Pr < DW | Pr > DW |
| 1                        | 1.9307 | 0.2520  | 0.7480  |
| 2                        | 1.8581 | 0.1640  | 0.8360  |
| 3                        | 1.4674 | 0.0008  | 0.9992  |
| 4                        | 2.1740 | 0.8553  | 0.1447  |

NOTE: Pr<DW is the p-value for testing positive autocorrelation, and Pr>DW is the p-value for testing negative autocorrelation.

| Godfrey's Serial Correlation Test |        |         |
|-----------------------------------|--------|---------|
| Alternative                       | LM     | Pr > LM |
| <b>AR(1)</b>                      | 0.0066 | 0.9353  |
| <b>AR(2)</b>                      | 0.1353 | 0.9346  |
| <b>AR(3)</b>                      | 6.7372 | 0.0808  |
| <b>AR(4)</b>                      | 9.7864 | 0.0442  |

| Tests for ARCH Disturbances Based on OLS Residuals |         |        |         |         |         |          |
|--|---------|--------|---------|---------|---------|----------|
| Order  | Q       | Pr > Q | LM      | Pr > LM | LK      | Pr >  LK |
| 1  | 0.7543  | 0.3851 | 0.2849  | 0.5935  | 0.5858  | 0.5580   |
| 2  | 1.2299  | 0.5407 | 0.3527  | 0.8383  | 0.0979  | 0.9220   |
| 3  | 2.1634  | 0.5392 | 0.5365  | 0.9108  | -0.1580 | 0.8745   |
| 4  | 7.1251  | 0.1294 | 6.1923  | 0.1852  | -1.2270 | 0.2198   |
| 5  | 7.2862  | 0.2002 | 6.4394  | 0.2658  | -1.2240 | 0.2210   |
| 6  | 7.3156  | 0.2926 | 6.4394  | 0.3758  | -1.0003 | 0.3172   |
| 7  | 7.3156  | 0.3968 | 6.4459  | 0.4888  | -1.1103 | 0.2669   |
| 8  | 12.5296 | 0.1291 | 7.9318  | 0.4402  | -1.0260 | 0.3049   |
| 9  | 15.0887 | 0.0885 | 8.3399  | 0.5003  | -0.7523 | 0.4519   |
| 10   | 15.1104 | 0.1281 | 9.0654  | 0.5259  | -1.6351 | 0.1020   |
| 11   | 15.7121 | 0.1522 | 11.3599 | 0.4136  | -2.7877 | 0.0053   |
| 12   | 16.4851 | 0.1700 | 11.9883 | 0.4466  | -2.3967 | 0.0165   |

| Parameter Estimates |    |          |                |         |                |                |
|---------------------|----|----------|----------------|---------|----------------|----------------|
| Variable            | DF | Estimate | Standard Error | t Value | Approx Pr >  t | Variable Label |

|                            |   |           |          |       |        |                  |
|----------------------------|---|-----------|----------|-------|--------|------------------|
| <b>Intercept</b>           | 1 | 0.2676    | 0.0177   | 15.16 | <.0001 |                  |
| <b>Feb</b>                 | 1 | 0.008846  | 0.004362 | 2.03  | 0.0446 |                  |
| <b>Mar</b>                 | 1 | 0.0503    | 0.004374 | 11.51 | <.0001 |                  |
| <b>Apr</b>                 | 1 | 0.0321    | 0.003633 | 8.84  | <.0001 |                  |
| <b>May</b>                 | 1 | 0.0244    | 0.005197 | 4.70  | <.0001 |                  |
| <b>June</b>                | 1 | 0.0320    | 0.004204 | 7.61  | <.0001 |                  |
| <b>July</b>                | 1 | 0.0313    | 0.004291 | 7.30  | <.0001 |                  |
| <b>Aug</b>                 | 1 | 0.0329    | 0.005790 | 5.68  | <.0001 |                  |
| <b>Sept</b>                | 1 | 0.0142    | 0.003572 | 3.97  | 0.0001 |                  |
| <b>Oct</b>                 | 1 | 0.0102    | 0.003546 | 2.87  | 0.0049 |                  |
| <b>Nov</b>                 | 1 | -0.004144 | 0.003879 | -1.07 | 0.2874 |                  |
| <b>Dec</b>                 | 1 | -0.004235 | 0.005567 | -0.76 | 0.4482 |                  |
| <b>LT_VHL_SALES_US</b>     | 1 | 0.004577  | 0.000981 | 4.66  | <.0001 | LT_VHL_SALES_US  |
| <b>FX_USD_BASKET_US_a4</b> | 1 | -0.000975 | 0.000112 | -8.72 | <.0001 |                  |
| <b>MORT_DELQ_PCT_OH_a4</b> | 1 | 0.005472  | 0.001971 | 2.78  | 0.0063 |                  |
| <b>CREDIT_CHGOFF_US</b>    | 1 | -0.009501 | 0.001282 | -7.41 | <.0001 | CREDIT_CHGOFF_US |

## Model with forecast for Scenario 2

## The AUTOREG Procedure

