

Linear Model using Development Dataset

The REG Procedure
Model: MODEL1
Dependent Variable: handle

| | |
|-----------------------------|------|
| Number of Observations Read | 4385 |
| Number of Observations Used | 4385 |

| Analysis of Variance | | | | | |
|----------------------|------|----------------|-------------|---------|--------|
| Source | DF | Sum of Squares | Mean Square | F Value | Pr > F |
| Model | 153 | 1.913864E14 | 1.250891E12 | Infty | <.0001 |
| Error | 4231 | 0 | 0 | | |
| Corrected Total | 4384 | 1.913864E14 | | | |

| | | | |
|----------------|--------|----------|--------|
| Root MSE | 0 | R-Square | 1.0000 |
| Dependent Mean | 346952 | Adj R-Sq | 1.0000 |
| Coeff Var | 0 | | |

Note: Model is not full rank. Least-squares solutions for the parameters are not unique. Some statistics will be misleading. A reported DF of 0 or B means that the estimate is biased.

Note: The following parameters have been set to 0, since the variables are a linear combination of other variables as shown.

| | |
|----------------------------------|---|
| purse_usa_MT_100K = | Intercept - purse_usa_25K - purse_usa_30K - purse_usa_40K - purse_usa_100K |
| weather_F = | track_condition_FT + track_condition_FM + track_condition_SY + track_condition_GD + track_condition_YL + track_condition_MY + track_condition_SF + track_condition_WF - weather_C - weather_L - weather_O - weather_H - weather_R |
| maximum_claim_price__7K = | minimum_claim_price__7K |
| maximum_claim_price__4K = | minimum_claim_price__4K |
| number_of_runners__0 = | race_type_CAN |

| Parameter Estimates | | | | | | |
|--------------------------|------------|----|--------------------|----------------|---------|---------|
| Variable | Label | DF | Parameter Estimate | Standard Error | t Value | Pr > t |
| Intercept | Intercept | B | 7.279255E-8 | 0 | Infty | <.0001 |
| wps_pool | wps_pool | 1 | 1.00000 | 0 | Infty | <.0001 |
| total_pool_sum | total_pool | 1 | 1.00000 | 0 | Infty | <.0001 |
| track_id_AP | | 1 | -1.10765E-9 | 0 | -Infty | <.0001 |
| track_id_CRC | | 1 | -1.11341E-9 | 0 | -Infty | <.0001 |
| race_number_1 | | 1 | -2.11914E-8 | 0 | -Infty | <.0001 |
| race_number_2 | | 1 | -2.10213E-8 | 0 | -Infty | <.0001 |
| race_number_3 | | 1 | -2.0994E-8 | 0 | -Infty | <.0001 |
| race_number_4 | | 1 | -2.10611E-8 | 0 | -Infty | <.0001 |
| race_number_5 | | 1 | -2.10114E-8 | 0 | -Infty | <.0001 |
| race_number_6 | | 1 | -2.09384E-8 | 0 | -Infty | <.0001 |
| race_number_7 | | 1 | -2.103E-8 | 0 | -Infty | <.0001 |
| race_number_8 | | 1 | -2.13385E-8 | 0 | -Infty | <.0001 |
| race_number_9 | | 1 | -2.09522E-8 | 0 | -Infty | <.0001 |
| race_number_10 | | 1 | -2.10502E-8 | 0 | -Infty | <.0001 |
| race_number_11 | | 1 | -2.11247E-8 | 0 | -Infty | <.0001 |
| race_number_12 | | 1 | -2.0807E-8 | 0 | -Infty | <.0001 |
| race_number_13 | | 1 | -2.09852E-8 | 0 | -Infty | <.0001 |
| conditions_of_race_NW2_L | | 1 | 1.51416E-10 | 0 | Infty | <.0001 |

| | | | | | |
|----------------------------|---|-------------|---|--------|--------|
| conditions_of_race_NW1_X | 1 | 5.97537E-10 | 0 | Infty | <.0001 |
| conditions_of_race_NW2_X | 1 | 6.91677E-10 | 0 | Infty | <.0001 |
| conditions_of_race_NW3_L | 1 | 2.97628E-10 | 0 | Infty | <.0001 |
| conditions_of_race_C | 1 | 2.30899E-10 | 0 | Infty | <.0001 |
| conditions_of_race_NW3_X | 1 | 3.40341E-10 | 0 | Infty | <.0001 |
| conditions_of_race_OTHER | 1 | 1.23151E-10 | 0 | Infty | <.0001 |
| race_type_CLM | 1 | -4.47421E-8 | 0 | -Infty | <.0001 |
| race_type_MCL | 1 | -4.48672E-8 | 0 | -Infty | <.0001 |
| race_type_MSW | 1 | -3.01716E-8 | 0 | -Infty | <.0001 |
| race_type_AOC | 1 | -4.48934E-8 | 0 | -Infty | <.0001 |
| race_type_ALW | 1 | -3.02629E-8 | 0 | -Infty | <.0001 |
| race_type_STK | 1 | 1.445591E-8 | 0 | Infty | <.0001 |
| race_type_STR | 1 | -5.03584E-9 | 0 | -Infty | <.0001 |
| race_type_CAN | B | -7.3221E-8 | 0 | -Infty | <.0001 |
| age_restriction_3U | 1 | -2.21274E-8 | 0 | -Infty | <.0001 |
| age_restriction_02 | 1 | -2.18851E-8 | 0 | -Infty | <.0001 |
| age_restriction_34 | 1 | -2.17497E-8 | 0 | -Infty | <.0001 |
| age_restriction_03 | 1 | -2.20746E-8 | 0 | -Infty | <.0001 |
| age_restriction_35 | 1 | -2.21388E-8 | 0 | -Infty | <.0001 |
| age_restriction_45 | 1 | -2.21666E-8 | 0 | -Infty | <.0001 |
| age_restriction_4U | 1 | -2.24261E-8 | 0 | -Infty | <.0001 |
| sex_restriction_B | 1 | -1.3409E-10 | 0 | -Infty | <.0001 |
| sex_restriction_F | 1 | -5.4235E-12 | 0 | -Infty | <.0001 |
| stakes_indicator_N | 1 | 7.018379E-8 | 0 | Infty | <.0001 |
| distance_id_600 | 1 | -8.74299E-9 | 0 | -Infty | <.0001 |
| distance_id_800 | 1 | -8.48584E-9 | 0 | -Infty | <.0001 |
| distance_id_850 | 1 | -8.59069E-9 | 0 | -Infty | <.0001 |
| distance_id_550 | 1 | -8.70469E-9 | 0 | -Infty | <.0001 |
| distance_id_700 | 1 | -8.52577E-9 | 0 | -Infty | <.0001 |
| distance_id_500 | 1 | -8.56205E-9 | 0 | -Infty | <.0001 |
| distance_id_650 | 1 | -8.45041E-9 | 0 | -Infty | <.0001 |
| distance_id_900 | 1 | -8.44945E-9 | 0 | -Infty | <.0001 |
| distance_id_832 | 1 | -8.6478E-9 | 0 | -Infty | <.0001 |
| distance_id_450 | 1 | -8.21341E-9 | 0 | -Infty | <.0001 |
| distance_id_750 | 1 | -8.65018E-9 | 0 | -Infty | <.0001 |
| distance_id_818 | 1 | -8.89949E-9 | 0 | -Infty | <.0001 |
| distance_id_1200 | 1 | -9.89549E-9 | 0 | -Infty | <.0001 |
| distance_id_1000 | 1 | -7.84145E-9 | 0 | -Infty | <.0001 |
| distance_id_200 | 1 | -1.22419E-8 | 0 | -Infty | <.0001 |
| distance_id_950 | 1 | -7.97249E-9 | 0 | -Infty | <.0001 |
| about_distance_indicator_A | 1 | -9.9023E-11 | 0 | -Infty | <.0001 |
| course_type_T | 1 | 1.700875E-9 | 0 | Infty | <.0001 |
| purse_usa_25K | B | -1.65462E-9 | 0 | -Infty | <.0001 |
| purse_usa_30K | B | -1.71559E-9 | 0 | -Infty | <.0001 |
| purse_usa_40K | B | -2.11269E-9 | 0 | -Infty | <.0001 |
| purse_usa_100K | B | -2.45122E-9 | 0 | -Infty | <.0001 |
| purse_usa_MT_100K | 0 | 0 | . | . | . |
| track_condition_FT | B | -1.41125E-8 | 0 | -Infty | <.0001 |
| track_condition_FM | B | -1.57748E-8 | 0 | -Infty | <.0001 |
| track_condition_SY | B | -1.36666E-8 | 0 | -Infty | <.0001 |
| track_condition_GD | B | -1.49502E-8 | 0 | -Infty | <.0001 |
| | | | | | |

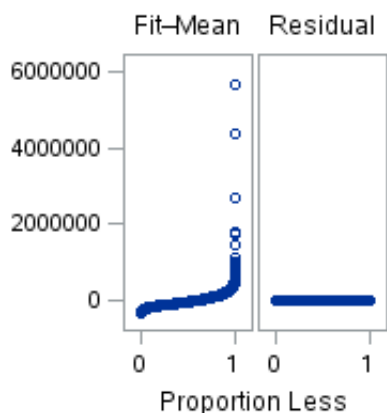
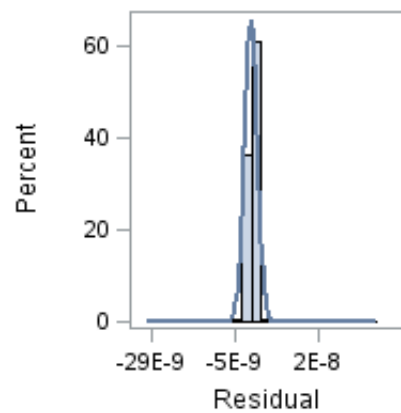
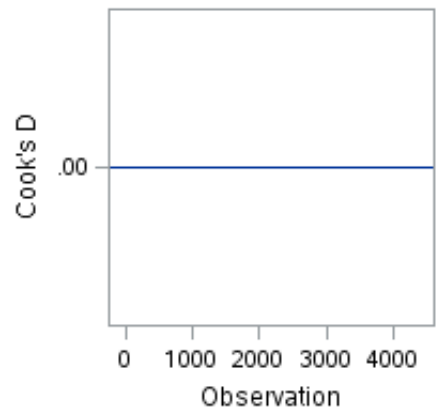
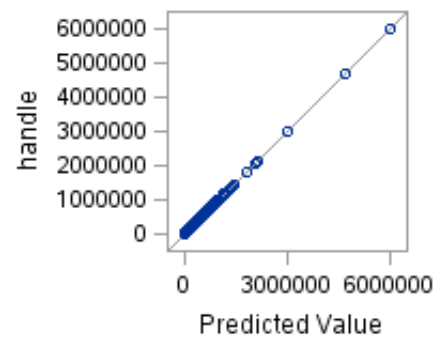
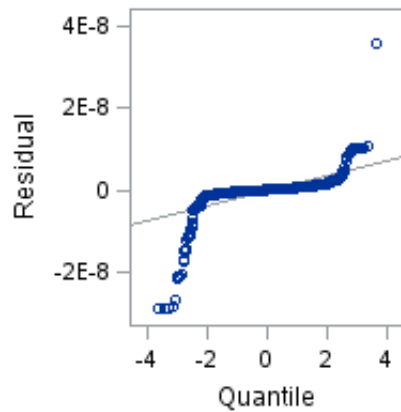
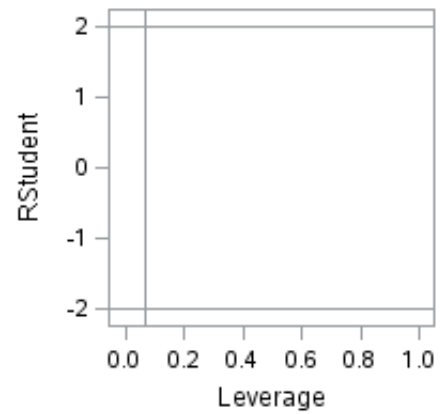
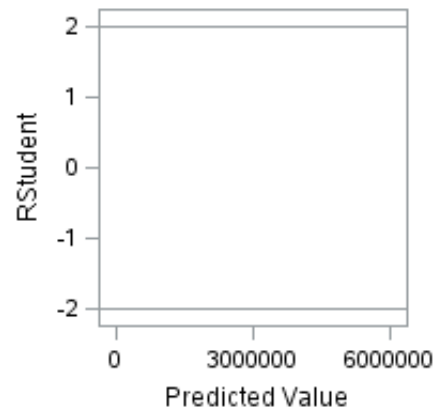
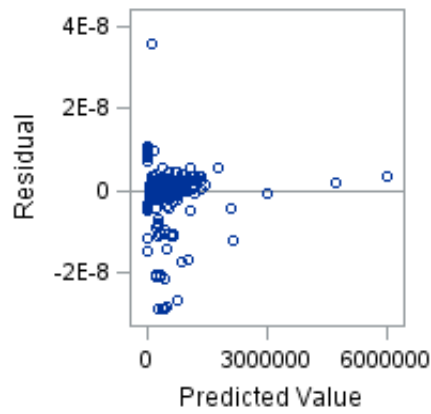
| | | | | | | |
|--------------------------|--|---|-------------|---|--------|--------|
| track_condition_YL | | B | -1.57507E-8 | 0 | -Infty | <.0001 |
| track_condition_MY | | B | -1.35541E-8 | 0 | -Infty | <.0001 |
| track_condition_SF | | B | -1.59075E-8 | 0 | -Infty | <.0001 |
| track_condition_WF | | B | -1.39006E-8 | 0 | -Infty | <.0001 |
| weather_C | | B | 1.413724E-9 | 0 | Infty | <.0001 |
| weather_L | | B | 1.428064E-9 | 0 | Infty | <.0001 |
| weather_O | | B | 1.638407E-9 | 0 | Infty | <.0001 |
| weather_H | | B | 1.621593E-9 | 0 | Infty | <.0001 |
| weather_R | | B | 1.485975E-9 | 0 | Infty | <.0001 |
| weather_F | | 0 | 0 | . | . | . |
| minimum_claim_price__0 | | 1 | -4.00263E-8 | 0 | -Infty | <.0001 |
| minimum_claim_price_10K | | 1 | -1.52255E-9 | 0 | -Infty | <.0001 |
| minimum_claim_price_16K | | 1 | 1.607985E-9 | 0 | Infty | <.0001 |
| minimum_claim_price_25K | | 1 | -1.89765E-9 | 0 | -Infty | <.0001 |
| minimum_claim_price_12K | | 1 | -4.1033E-10 | 0 | -Infty | <.0001 |
| minimum_claim_price_40K | | 1 | -6.9151E-10 | 0 | -Infty | <.0001 |
| minimum_claim_price_20K | | 1 | -1.6777E-9 | 0 | -Infty | <.0001 |
| minimum_claim_price_50K | | 1 | -9.3148E-10 | 0 | -Infty | <.0001 |
| minimum_claim_price__5K | | 1 | 7.24379E-10 | 0 | Infty | <.0001 |
| minimum_claim_price_32K | | 1 | 2.254417E-9 | 0 | Infty | <.0001 |
| minimum_claim_price_30K | | 1 | -9.0738E-10 | 0 | -Infty | <.0001 |
| minimum_claim_price_15K | | 1 | -1.07897E-9 | 0 | -Infty | <.0001 |
| minimum_claim_price__9K | | 1 | -1.91126E-9 | 0 | -Infty | <.0001 |
| minimum_claim_price__8K | | 1 | 8.39826E-11 | 0 | Infty | <.0001 |
| minimum_claim_price_62K | | 1 | 3.10432E-9 | 0 | Infty | <.0001 |
| minimum_claim_price__7K | | B | -1.16132E-8 | 0 | -Infty | <.0001 |
| minimum_claim_price__6K | | 1 | 8.62149E-11 | 0 | Infty | <.0001 |
| minimum_claim_price_17K | | 1 | -1.19172E-9 | 0 | -Infty | <.0001 |
| minimum_claim_price__4K | | B | -1.12476E-8 | 0 | -Infty | <.0001 |
| minimum_claim_price_18K | | 1 | -8.4129E-10 | 0 | -Infty | <.0001 |
| maximum_claim_price_100K | | 1 | -1.05195E-8 | 0 | -Infty | <.0001 |
| maximum_claim_price___0 | | 1 | 1.392739E-8 | 0 | Infty | <.0001 |
| maximum_claim_price__10K | | 1 | -9.97109E-9 | 0 | -Infty | <.0001 |
| maximum_claim_price__25K | | 1 | -9.73348E-9 | 0 | -Infty | <.0001 |
| maximum_claim_price__16K | | 1 | -1.33555E-8 | 0 | -Infty | <.0001 |
| maximum_claim_price__12K | | 1 | -1.12821E-8 | 0 | -Infty | <.0001 |
| maximum_claim_price__40K | | 1 | -1.09252E-8 | 0 | -Infty | <.0001 |
| maximum_claim_price__50K | | 1 | -1.04619E-8 | 0 | -Infty | <.0001 |
| maximum_claim_price___5K | | 1 | -1.22878E-8 | 0 | -Infty | <.0001 |
| maximum_claim_price__20K | | 1 | -1.03507E-8 | 0 | -Infty | <.0001 |
| maximum_claim_price__32K | | 1 | -1.41745E-8 | 0 | -Infty | <.0001 |
| maximum_claim_price__15K | | 1 | -1.05447E-8 | 0 | -Infty | <.0001 |
| maximum_claim_price__35K | | 1 | -1.04464E-8 | 0 | -Infty | <.0001 |
| maximum_claim_price__30K | | 1 | -9.91421E-9 | 0 | -Infty | <.0001 |
| maximum_claim_price___8K | | 1 | -1.1758E-8 | 0 | -Infty | <.0001 |
| maximum_claim_price__17K | | 1 | -1.00832E-8 | 0 | -Infty | <.0001 |
| maximum_claim_price__62K | | 1 | -1.40211E-8 | 0 | -Infty | <.0001 |
| maximum_claim_price___6K | | 1 | -1.14527E-8 | 0 | -Infty | <.0001 |
| maximum_claim_price___7K | | 0 | 0 | . | . | . |
| maximum_claim_price___4K | | 0 | 0 | . | . | . |
| maximum_claim_price__18K | | 1 | -1.2671E-8 | 0 | -Infty | <.0001 |
| | | | | | | |

| | | | | | | |
|---------------------------|--|---|-------------|---|--------|--------|
| maximum_claim_price__14K | | 1 | -1.10207E-8 | 0 | -Infty | <.0001 |
| maximum_claim_price__13K | | 1 | -1.14204E-8 | 0 | -Infty | <.0001 |
| maximum_claim_price__80K | | 1 | -1.0369E-8 | 0 | -Infty | <.0001 |
| grade_1 | | 1 | 6.198078E-9 | 0 | Infty | <.0001 |
| grade_2 | | 1 | -5.11502E-9 | 0 | -Infty | <.0001 |
| grade_3 | | 1 | -3.9395E-10 | 0 | -Infty | <.0001 |
| number_of_runners__0 | | 0 | 0 | . | . | . |
| number_of_runners__3 | | 1 | -1.94663E-8 | 0 | -Infty | <.0001 |
| number_of_runners__4 | | 1 | -1.83275E-8 | 0 | -Infty | <.0001 |
| number_of_runners__5 | | 1 | -1.93754E-8 | 0 | -Infty | <.0001 |
| number_of_runners__6 | | 1 | -1.92977E-8 | 0 | -Infty | <.0001 |
| number_of_runners__7 | | 1 | -1.93559E-8 | 0 | -Infty | <.0001 |
| number_of_runners__8 | | 1 | -1.92103E-8 | 0 | -Infty | <.0001 |
| number_of_runners__9 | | 1 | -1.91728E-8 | 0 | -Infty | <.0001 |
| number_of_runners__10 | | 1 | -1.92115E-8 | 0 | -Infty | <.0001 |
| number_of_runners__11 | | 1 | -1.90663E-8 | 0 | -Infty | <.0001 |
| number_of_runners__12 | | 1 | -1.90467E-8 | 0 | -Infty | <.0001 |
| abbreviated_name_RACE_HAS | | 1 | 2.596989E-8 | 0 | Infty | <.0001 |
| track_sealed_indicator_Y | | 1 | -6.2421E-10 | 0 | -Infty | <.0001 |
| track_sealed_indicator_N | | 1 | 2.54043E-10 | 0 | Infty | <.0001 |
| race_date_Super_Bowl | | 1 | -1.9212E-10 | 0 | -Infty | <.0001 |
| race_date_Patricks_Day | | 1 | 3.59921E-11 | 0 | Infty | <.0001 |
| race_date_Good_Friday | | 1 | -5.9965E-11 | 0 | -Infty | <.0001 |
| race_date_Easter | | 1 | -1.6485E-10 | 0 | -Infty | <.0001 |
| race_date_Cinco_Mayo | | 1 | 1.65128E-10 | 0 | Infty | <.0001 |
| race_date_Memorial_Day | | 1 | -1.7241E-13 | 0 | -Infty | <.0001 |
| race_date_Indep_Day | | 1 | -7.5666E-11 | 0 | -Infty | <.0001 |
| race_date_Labor_Day | | 1 | -1.2202E-10 | 0 | -Infty | <.0001 |
| race_date_Veterans_Day | | 1 | -2.1278E-10 | 0 | -Infty | <.0001 |
| race_date_Thanksgiving | | 1 | -3.3359E-10 | 0 | -Infty | <.0001 |
| race_date_Boxing_Day | | 1 | 6.53386E-10 | 0 | Infty | <.0001 |
| race_date_New_Year_Day | | 1 | -4.0112E-10 | 0 | -Infty | <.0001 |
| race_weekday_Sun | | 1 | 1.02234E-11 | 0 | Infty | <.0001 |
| race_weekday_Mon | | 1 | 8.66262E-11 | 0 | Infty | <.0001 |
| race_weekday_Wed | | 1 | 1.09405E-10 | 0 | Infty | <.0001 |
| race_weekday_Thu | | 1 | -7.7087E-13 | 0 | -Infty | <.0001 |
| race_weekday_Fri | | 1 | 1.16985E-10 | 0 | Infty | <.0001 |
| race_weekday_Sat | | 1 | 1.92471E-10 | 0 | Infty | <.0001 |

Linear Model using Development Dataset

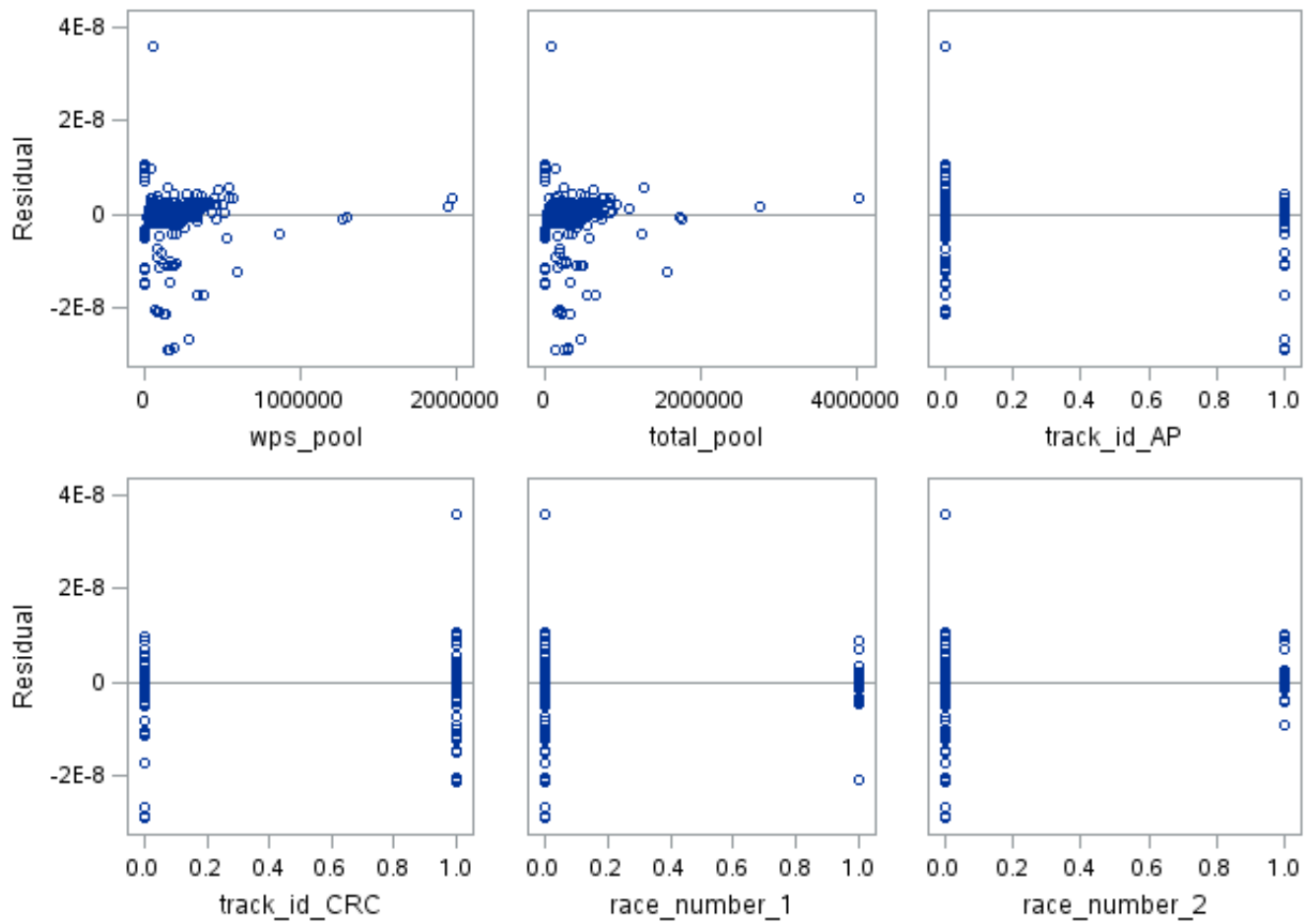
The REG Procedure
Model: MODEL1
Dependent Variable: handle

Fit Diagnostics for handle

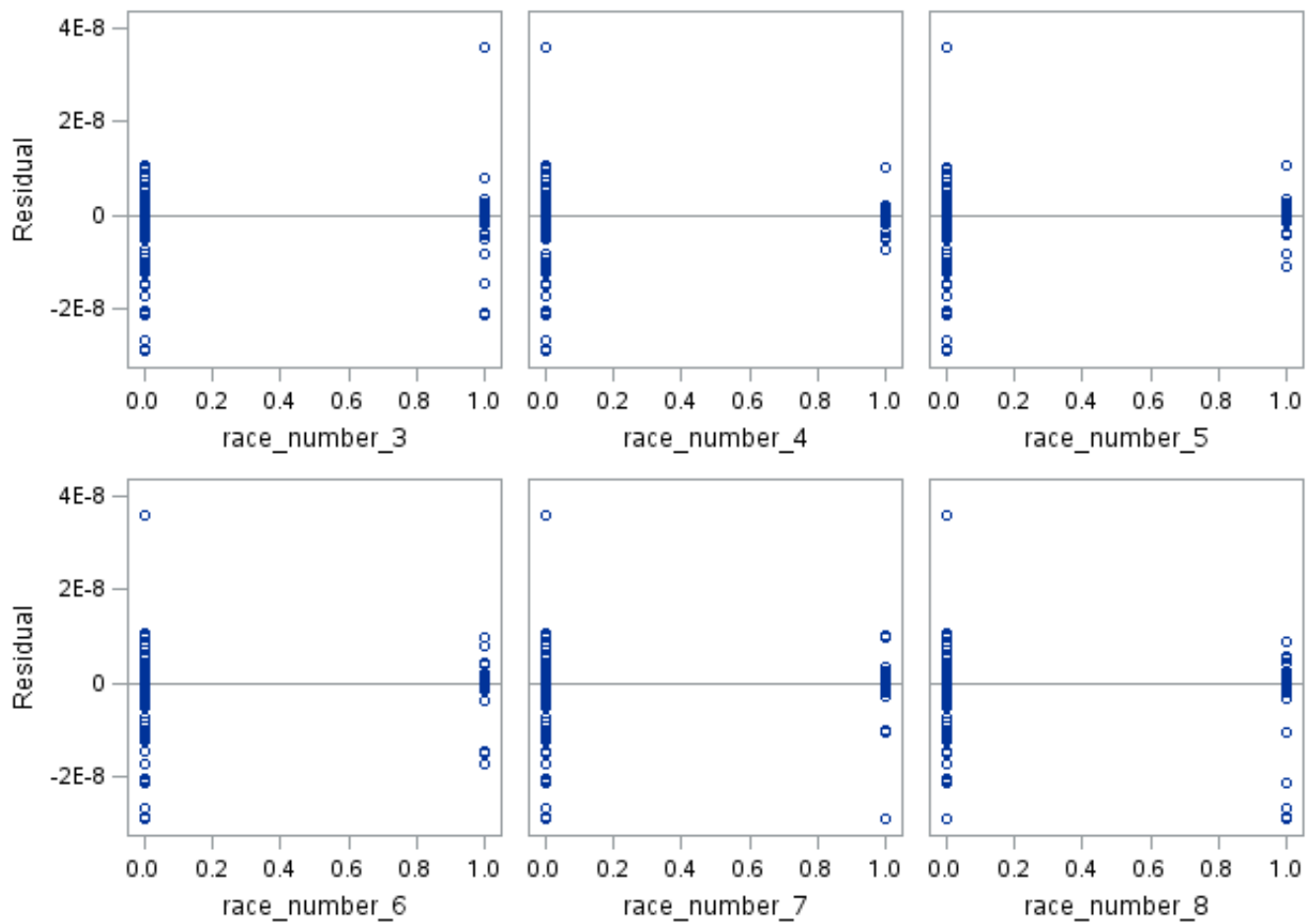


| | |
|--------------|------|
| Observations | 4385 |
| Parameters | 154 |
| Error DF | 4231 |
| MSE | 0 |
| R-Square | 1 |
| Adj R-Square | 1 |

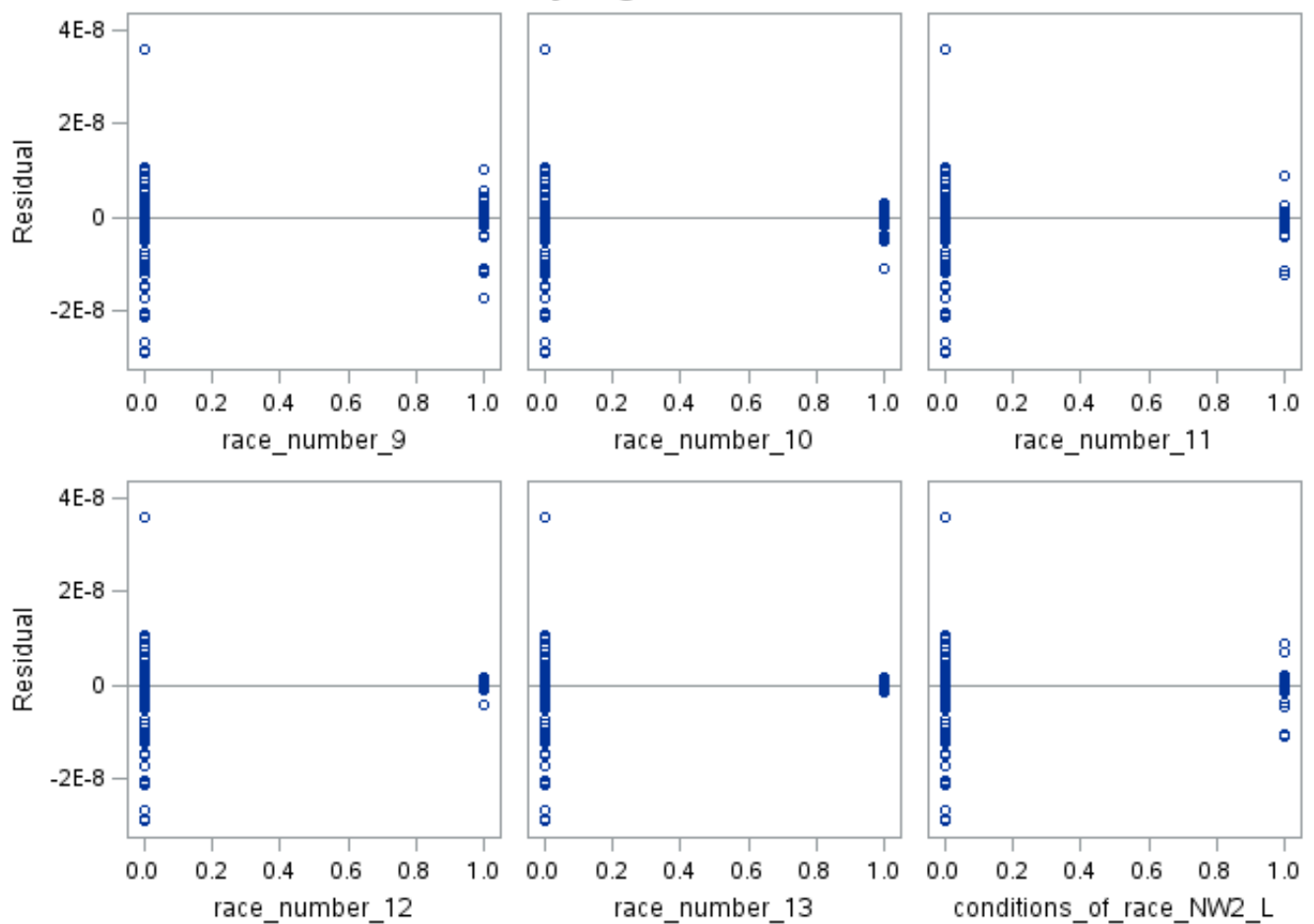
Residual by Regressors for handle



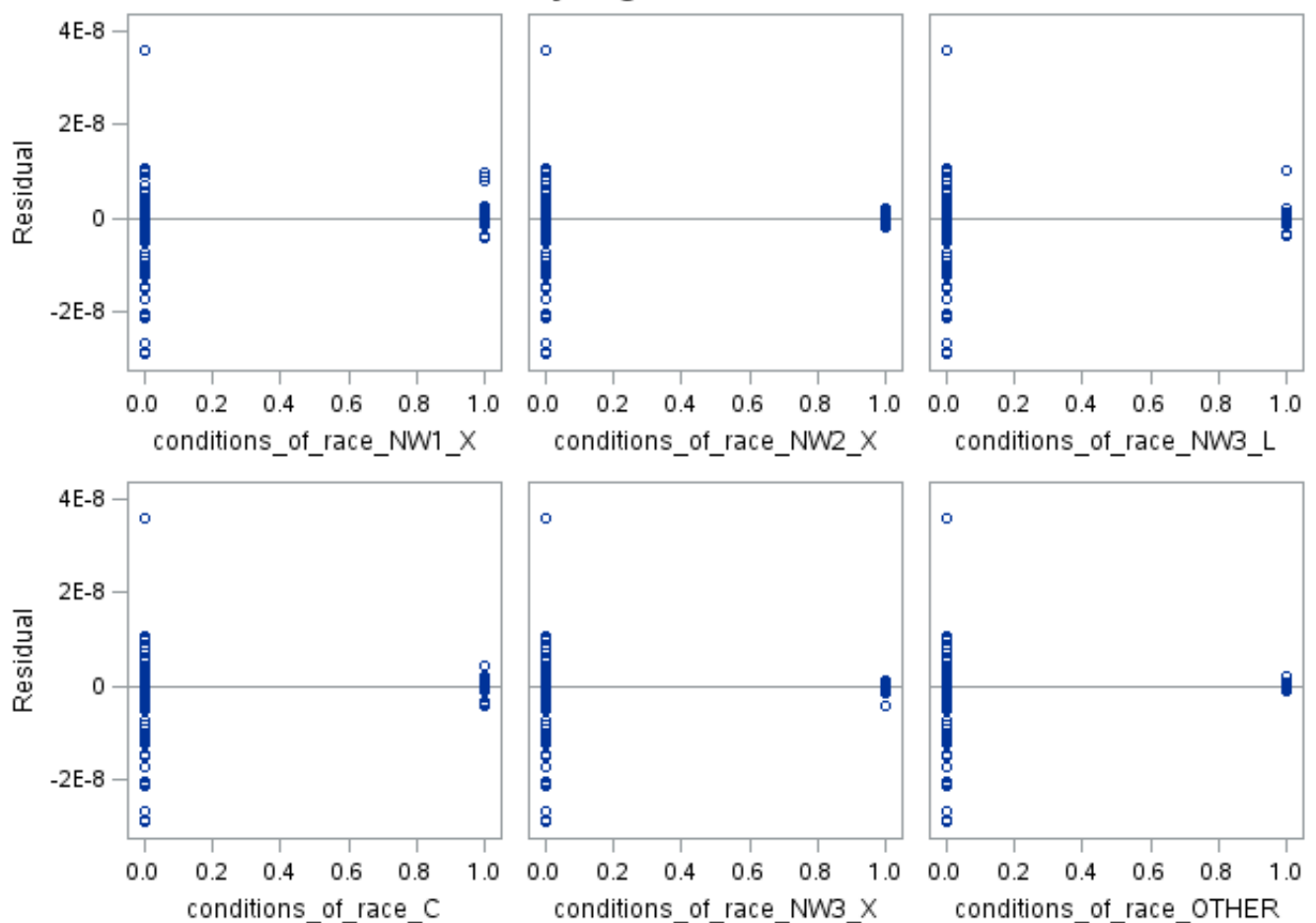
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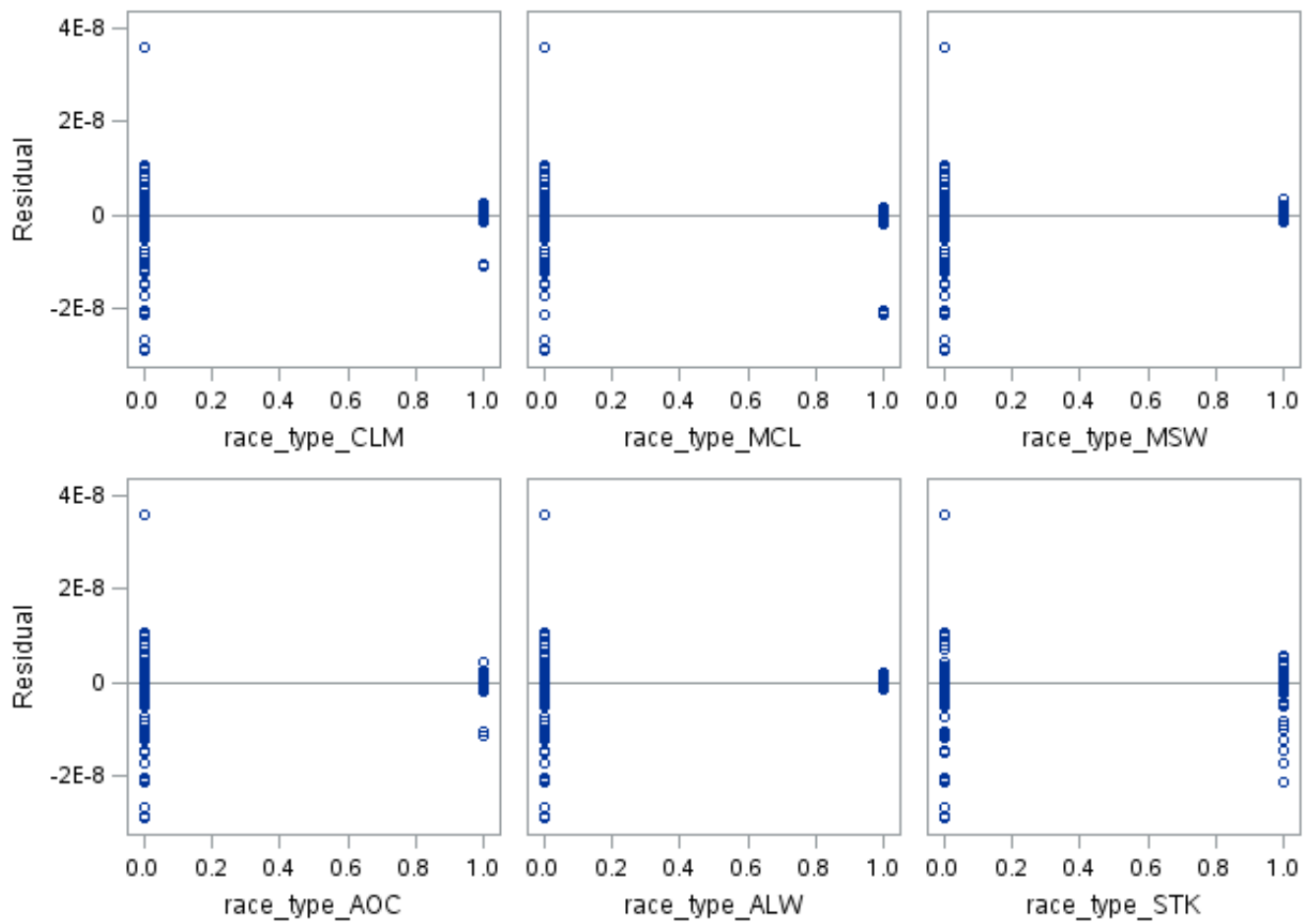
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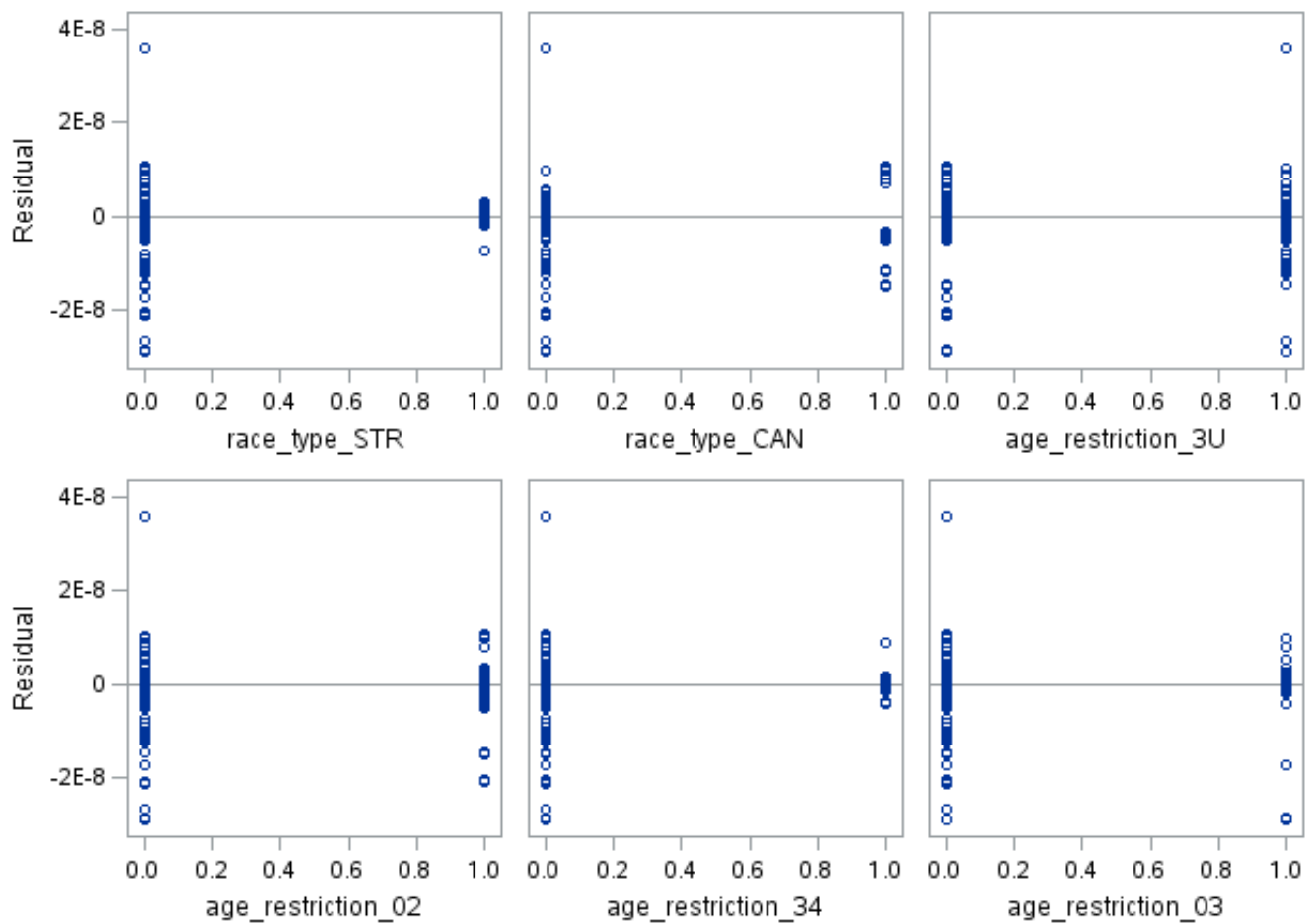
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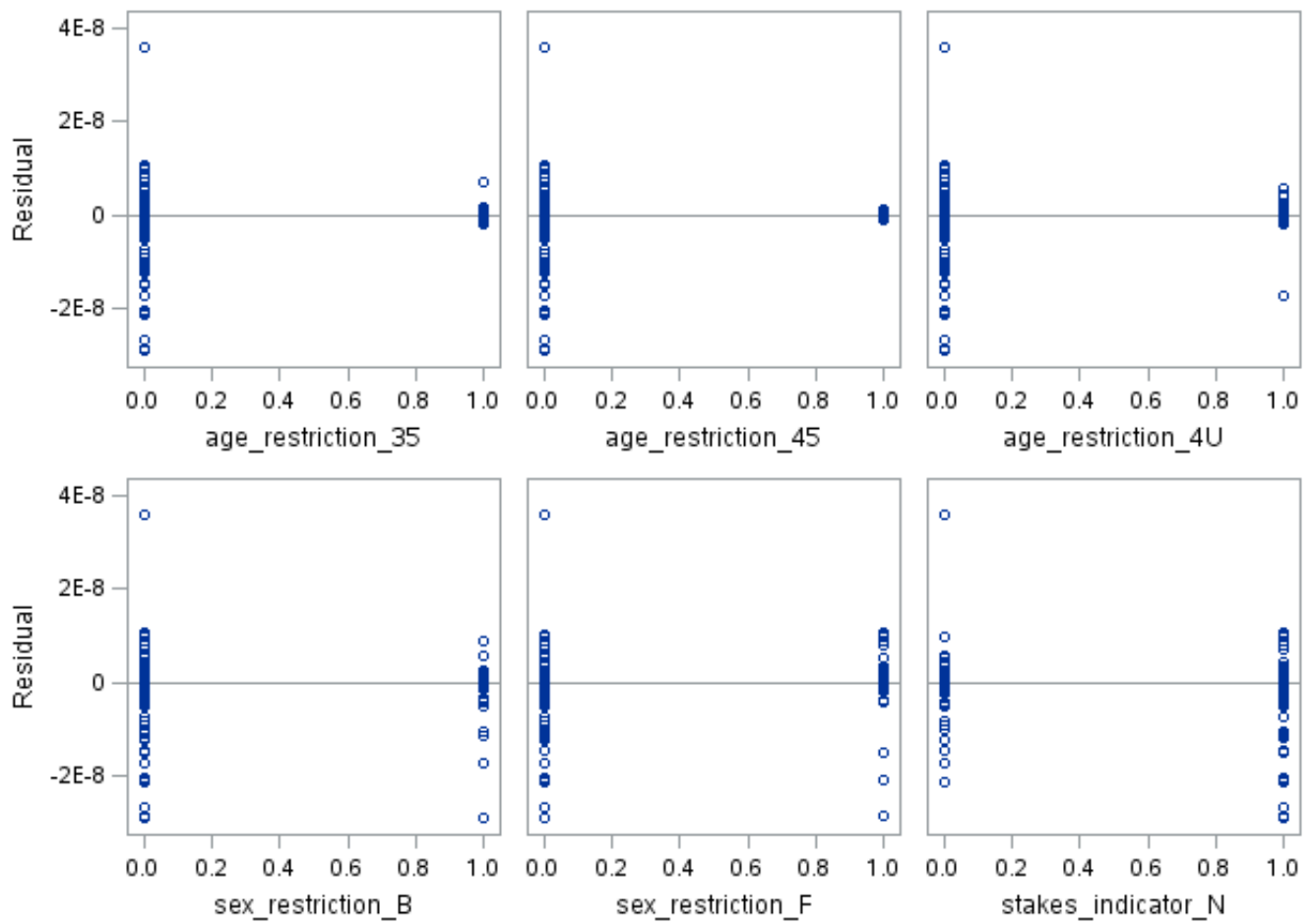
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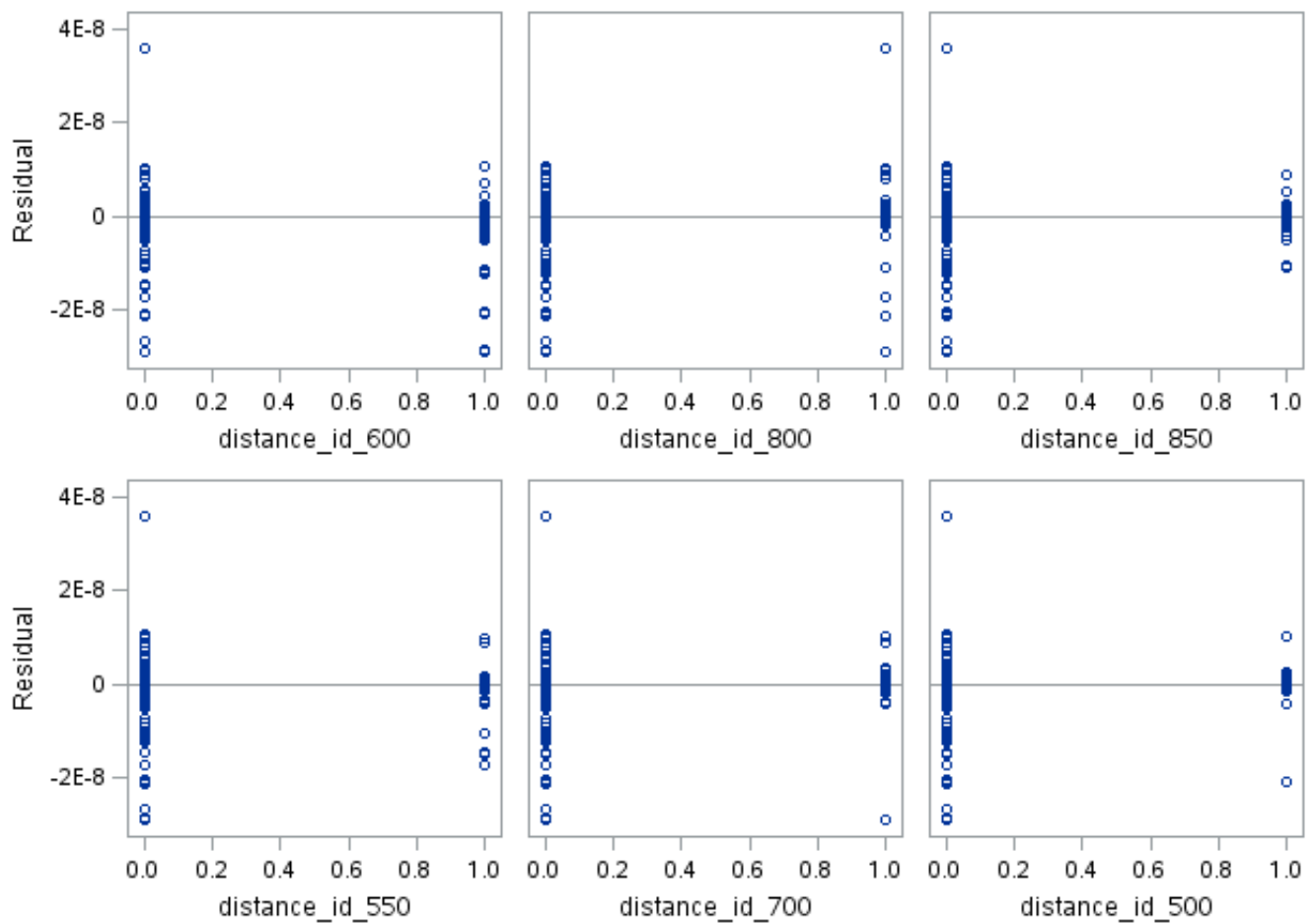
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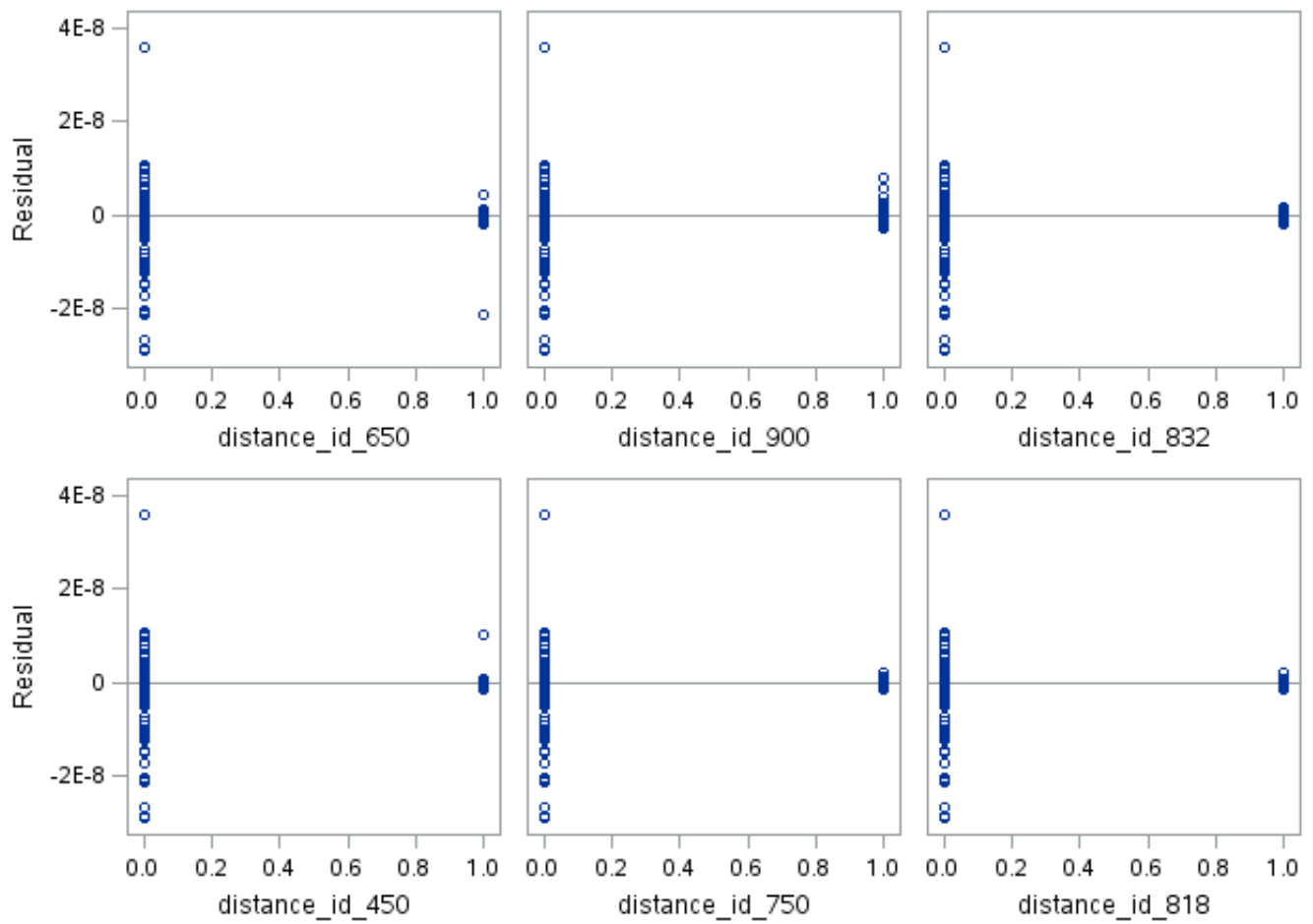
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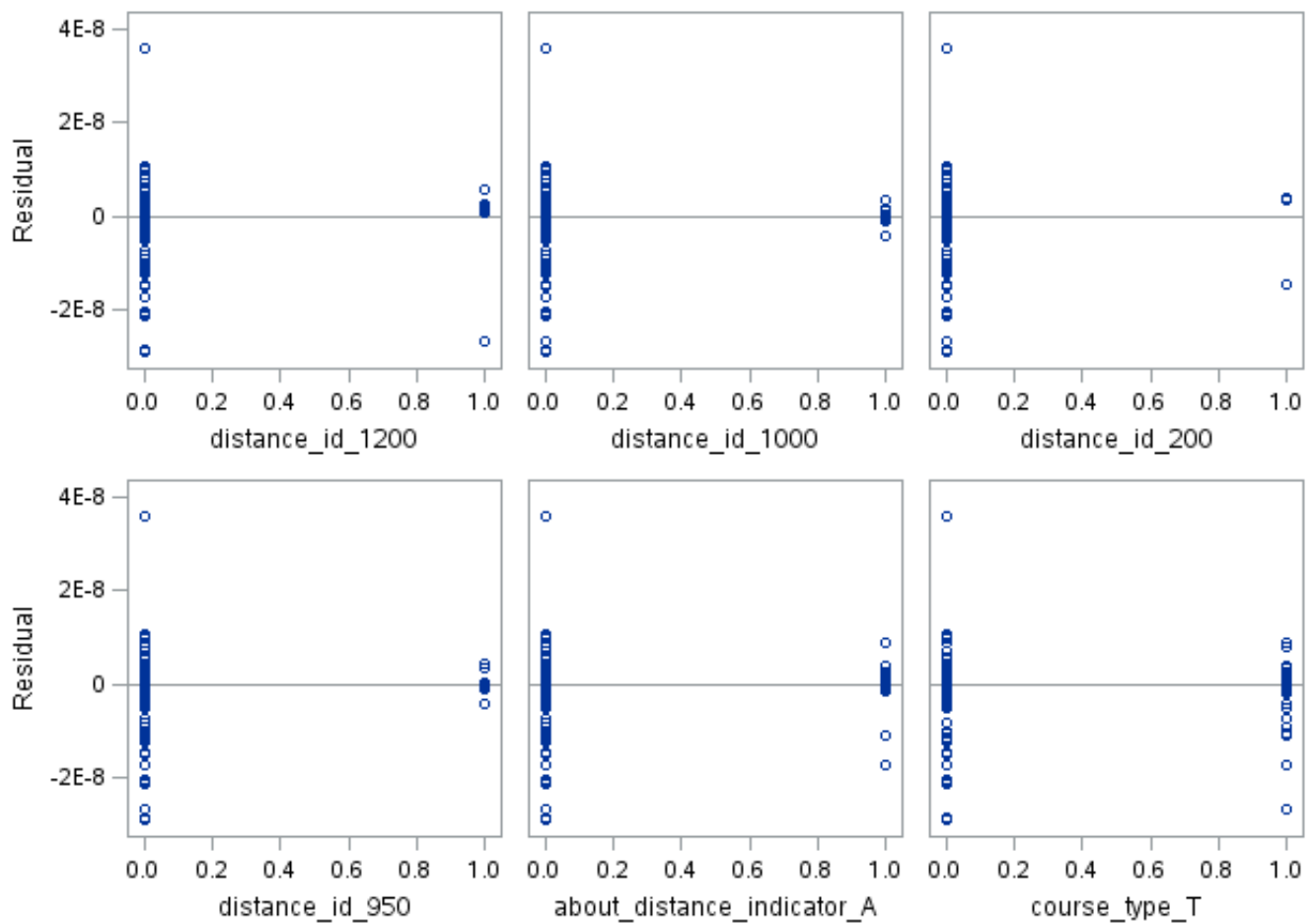
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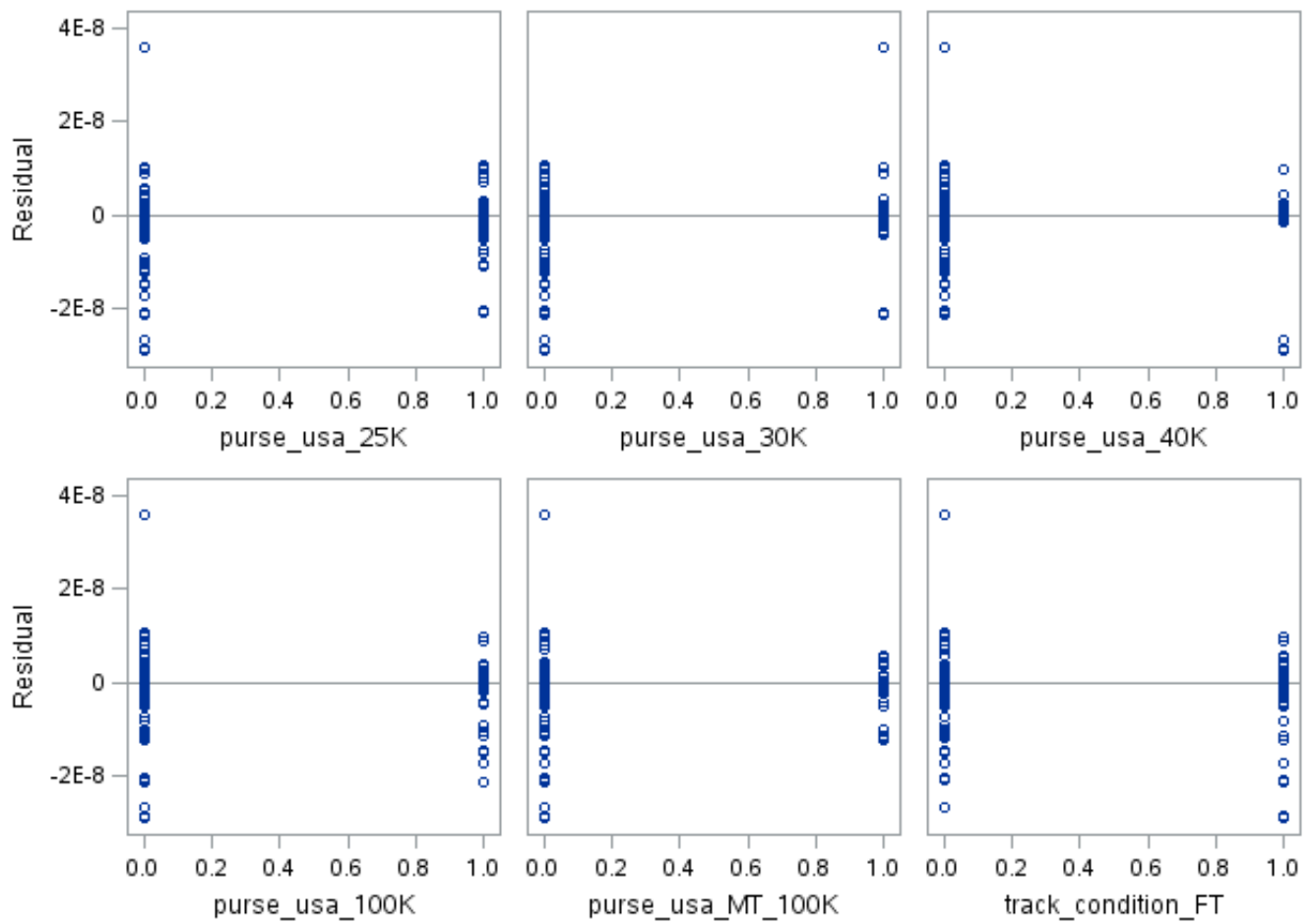
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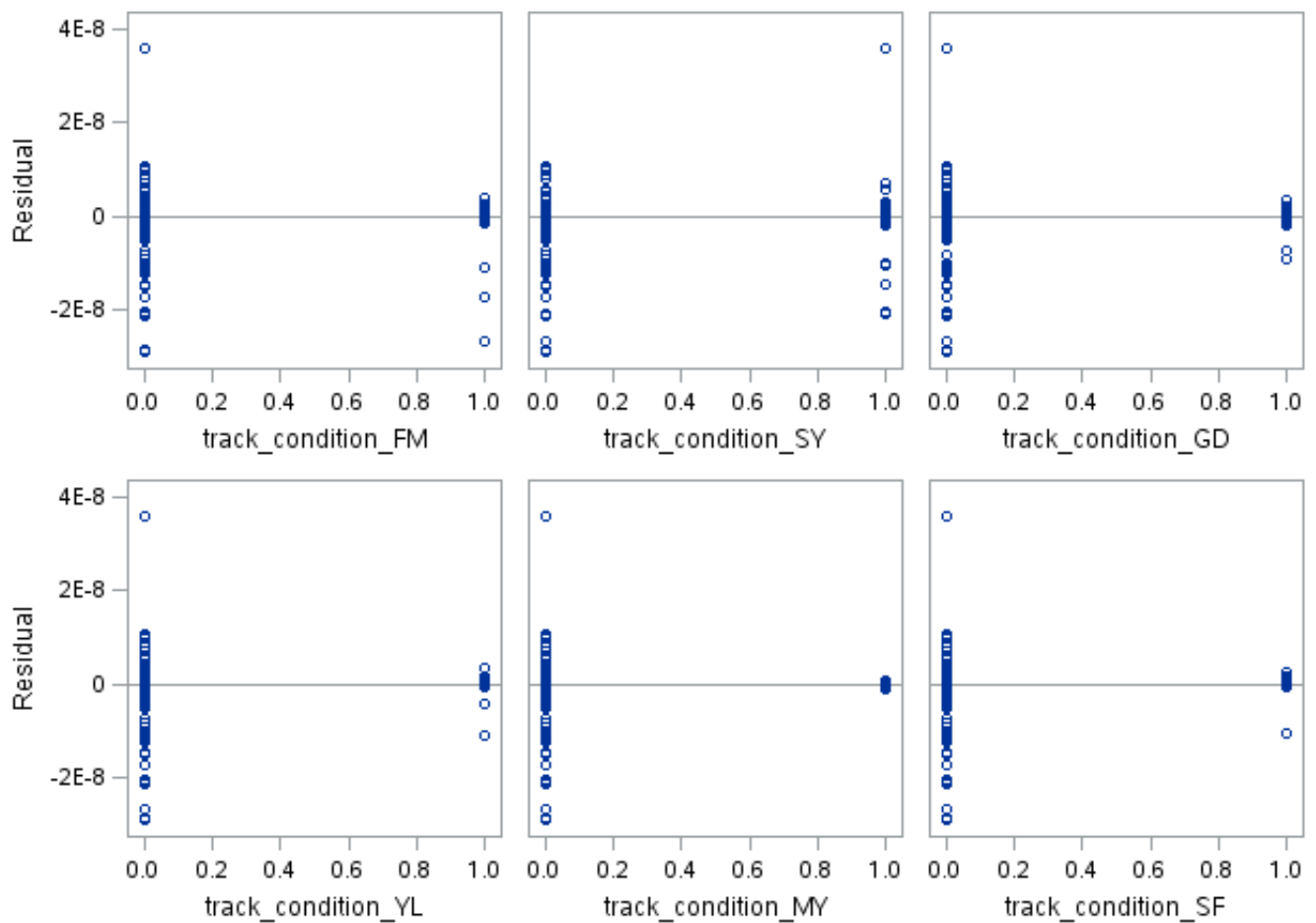
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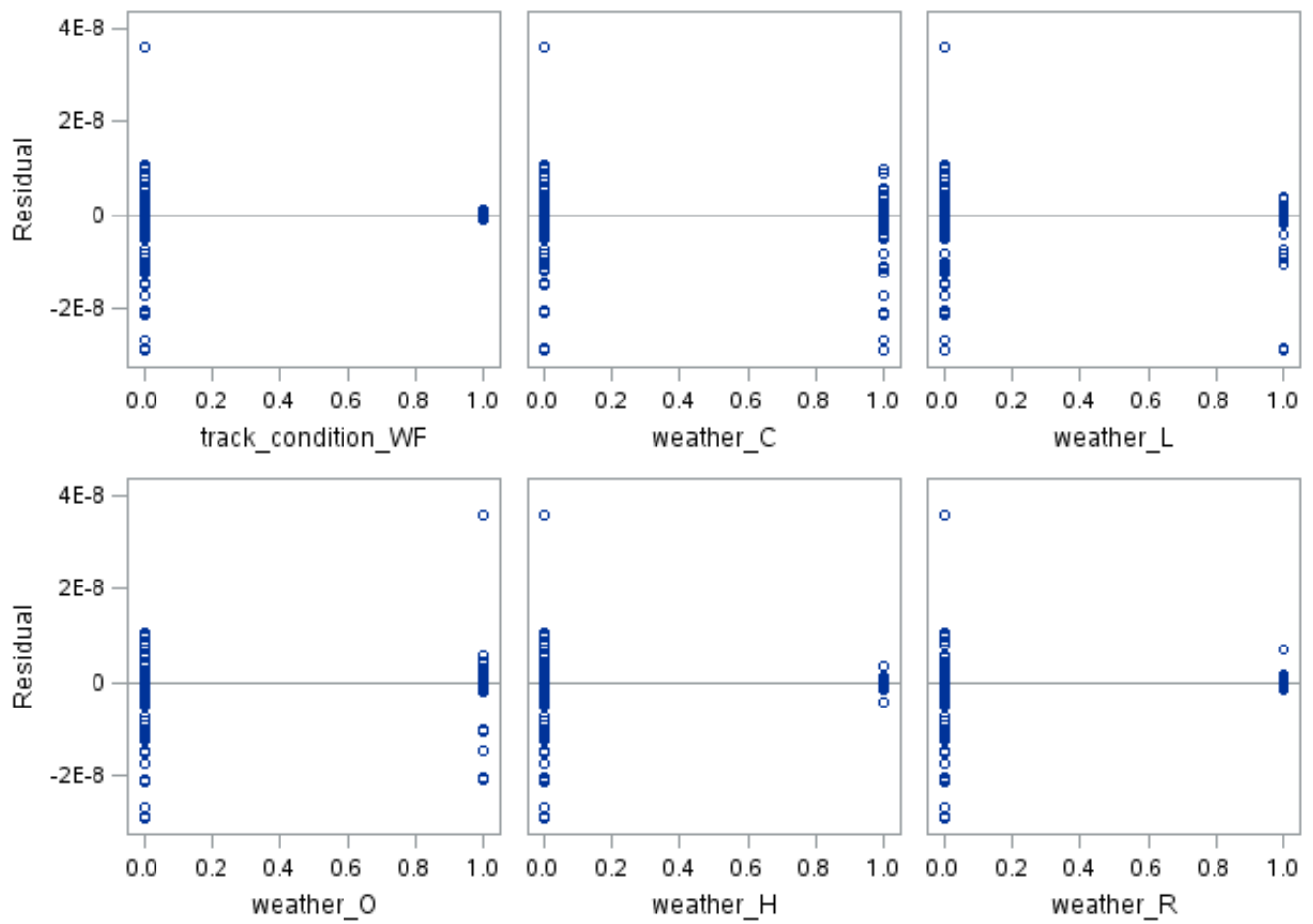
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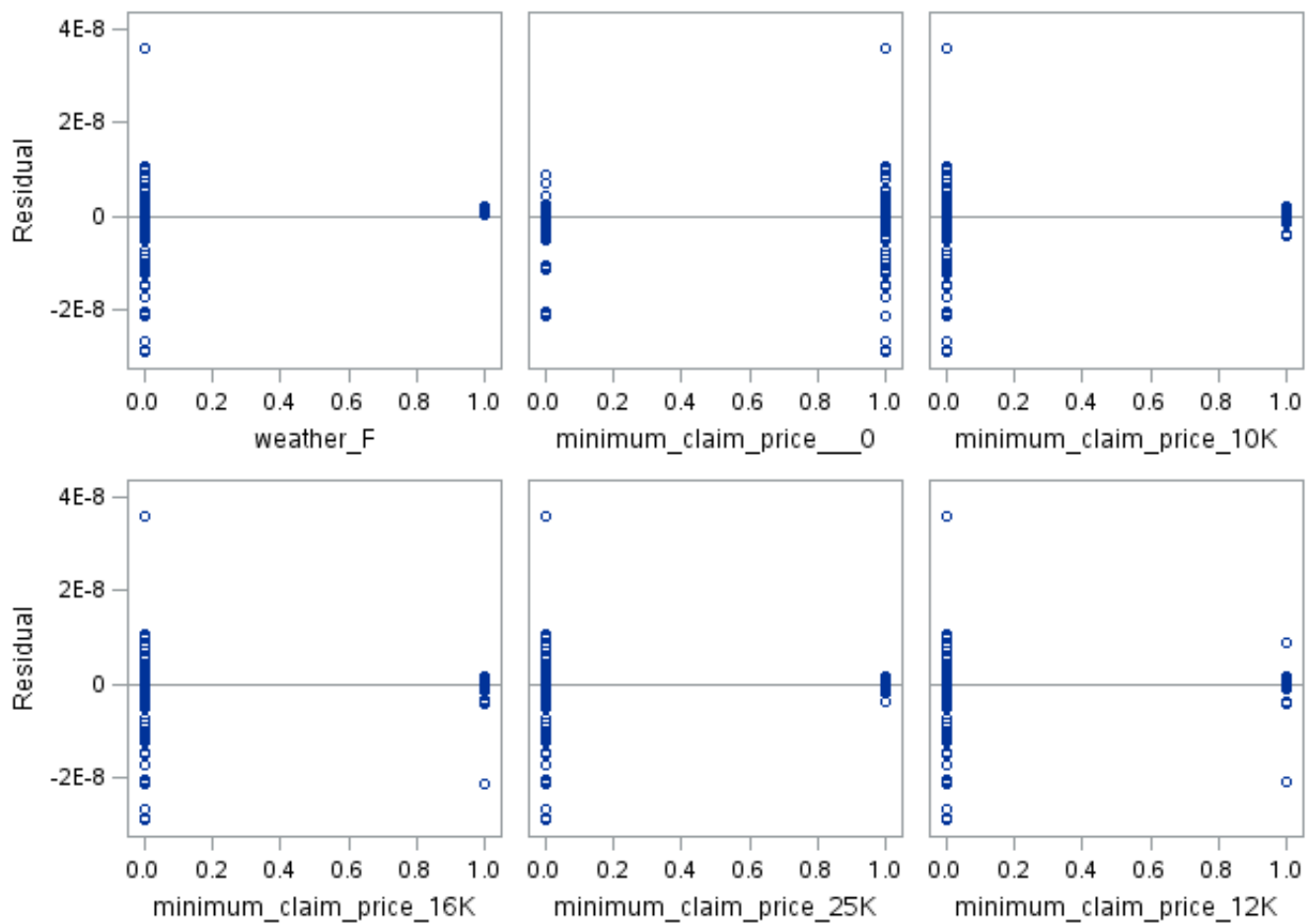
Residual by Regressors for handle



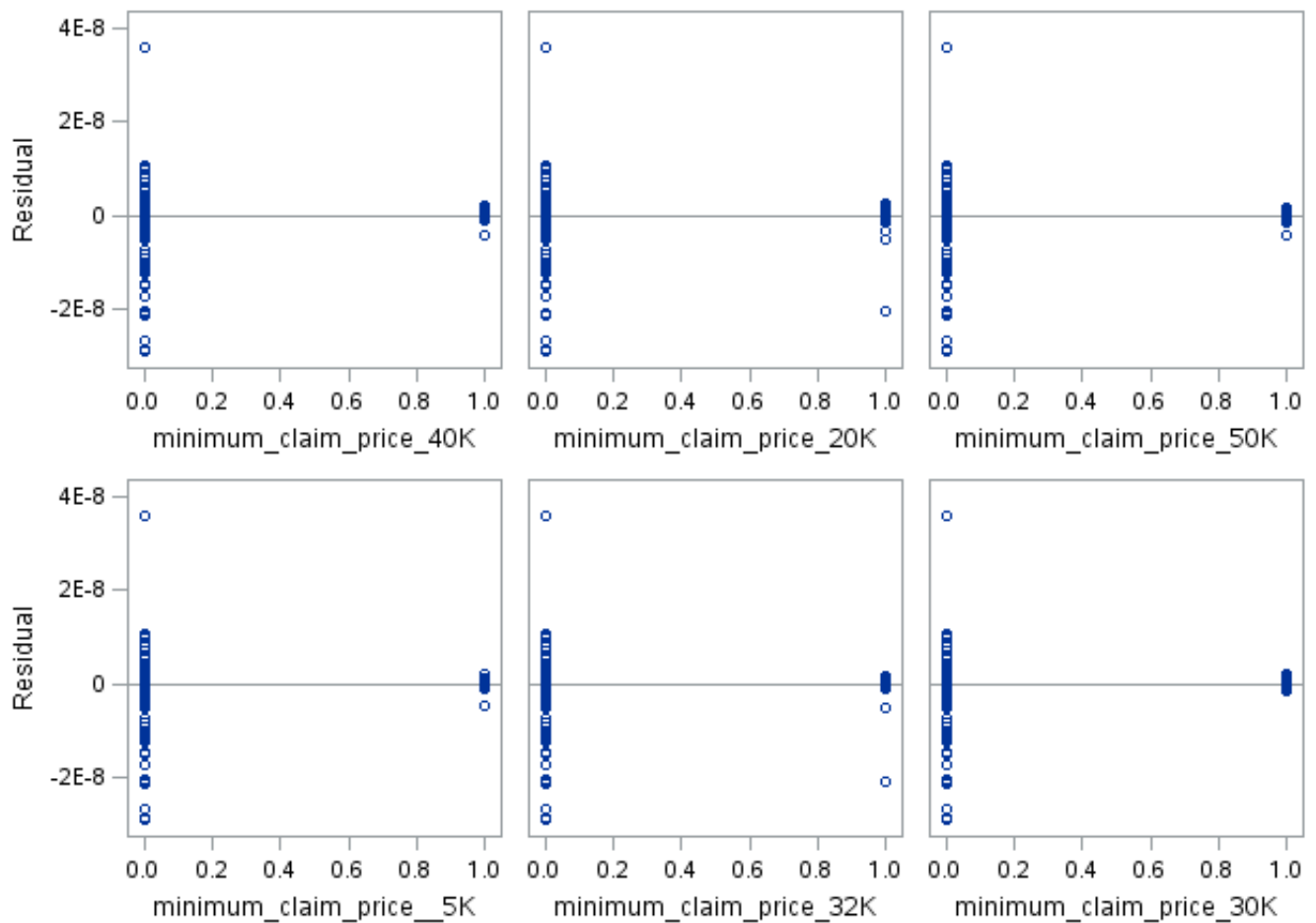
Residual by Regressors for handle



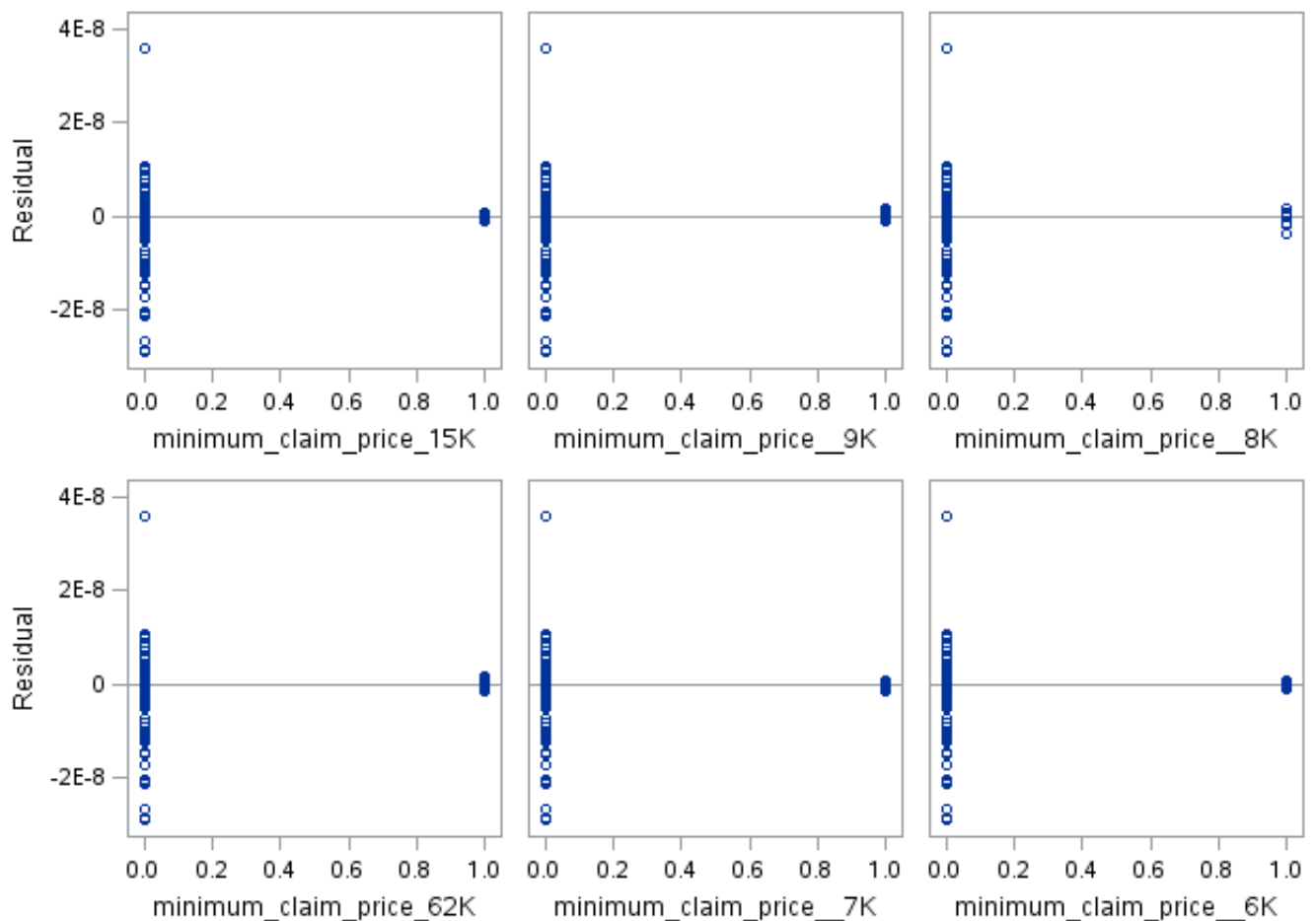
Residual by Regressors for handle



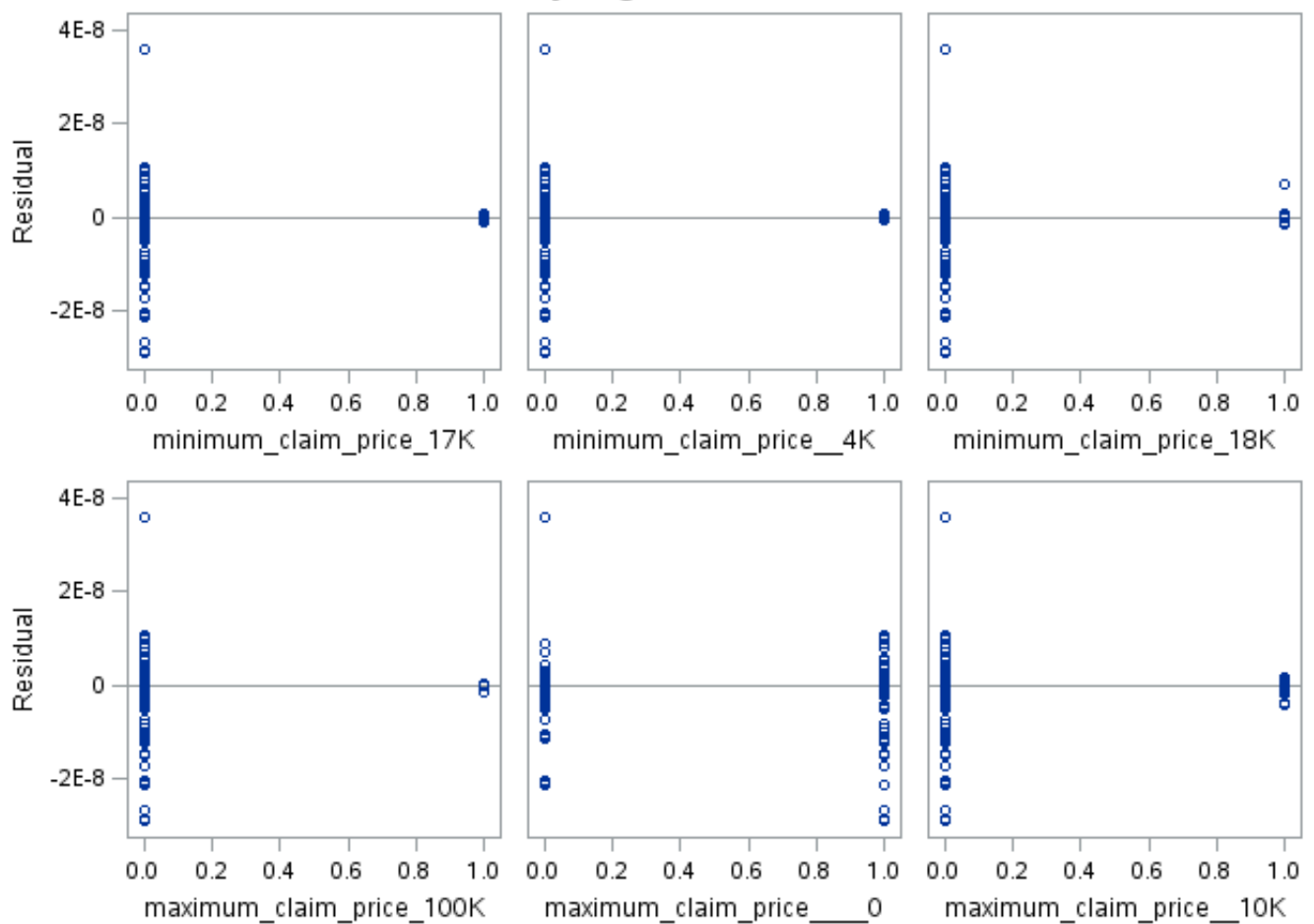
Residual by Regressors for handle



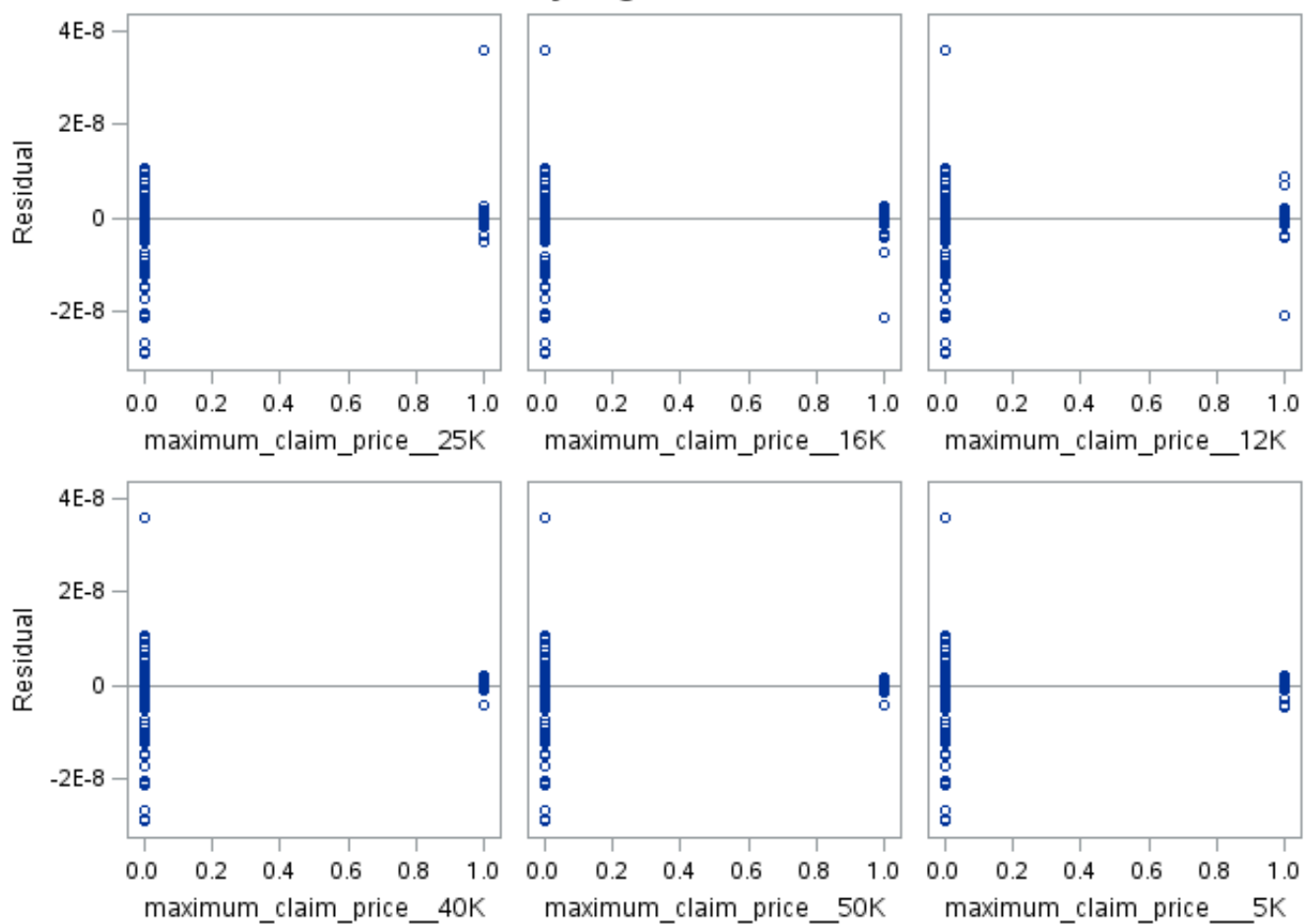
Residual by Regressors for handle



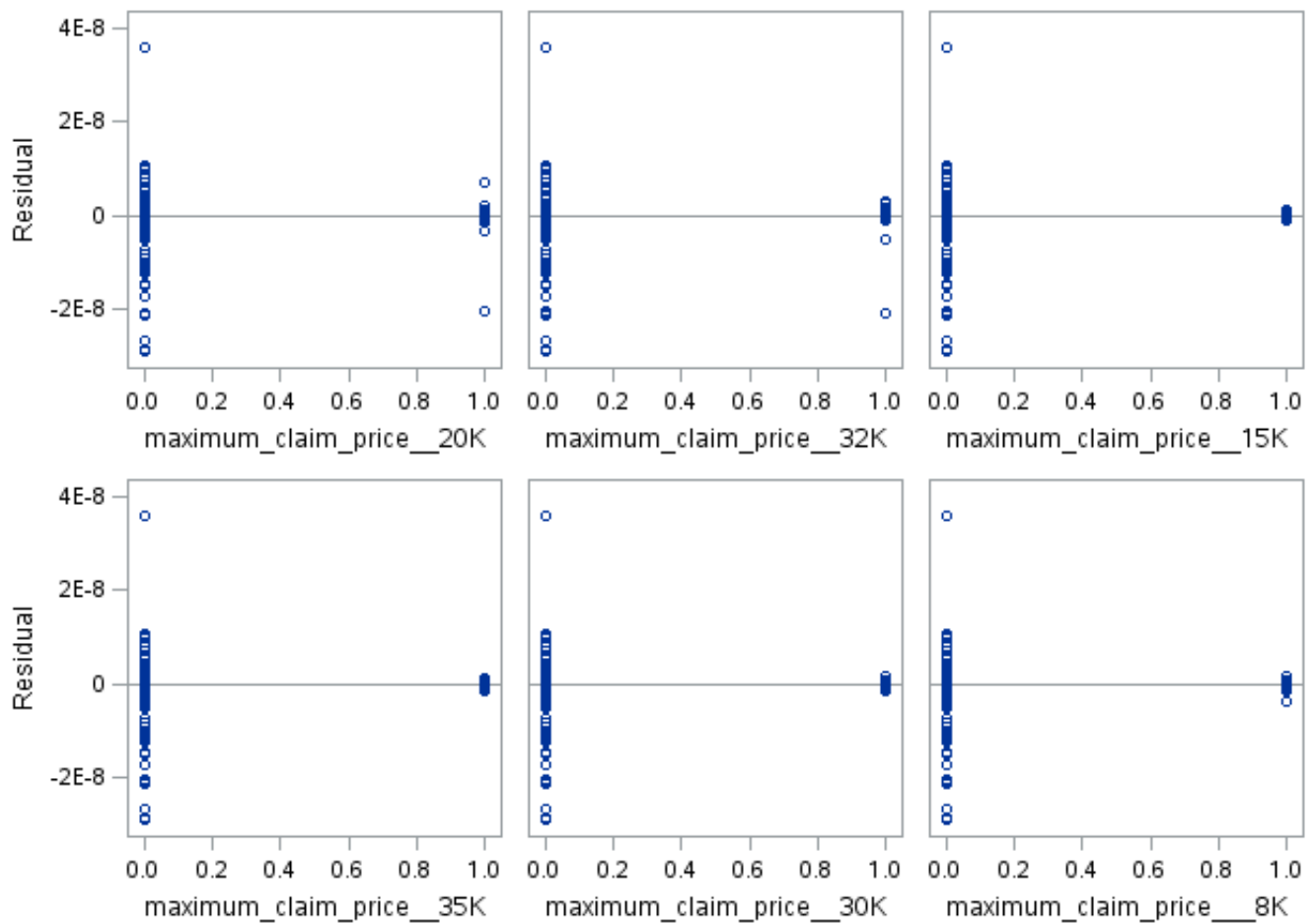
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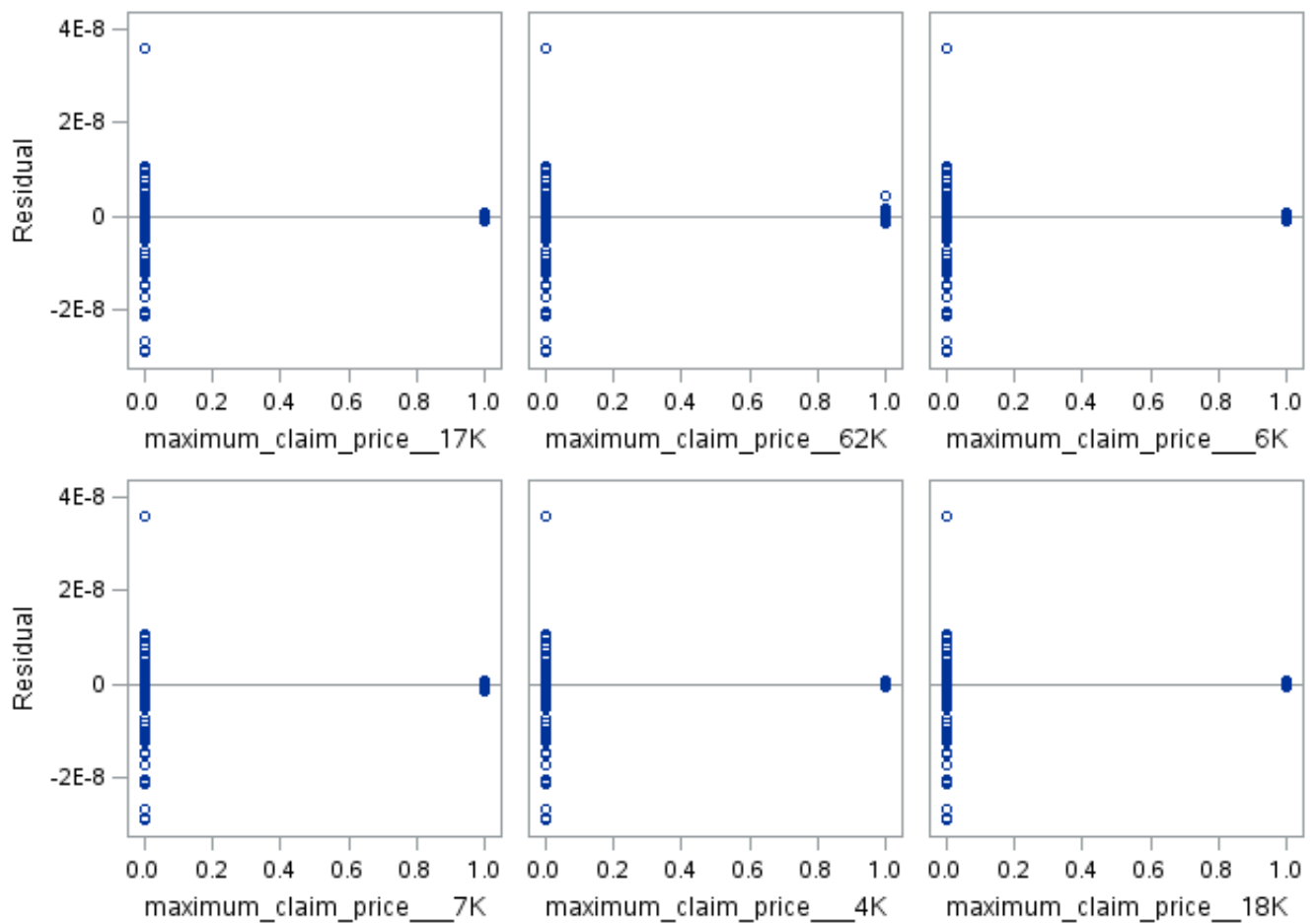
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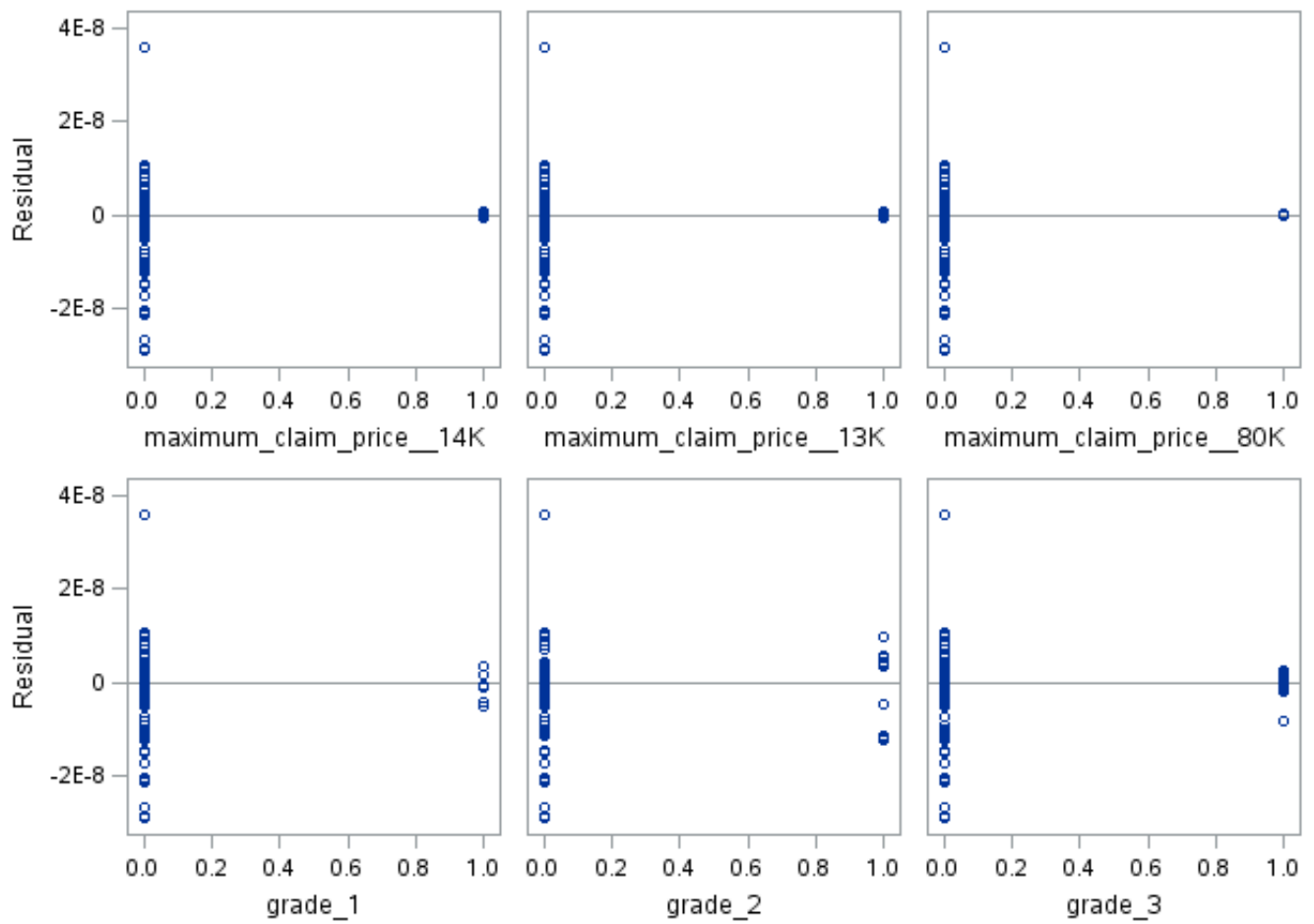
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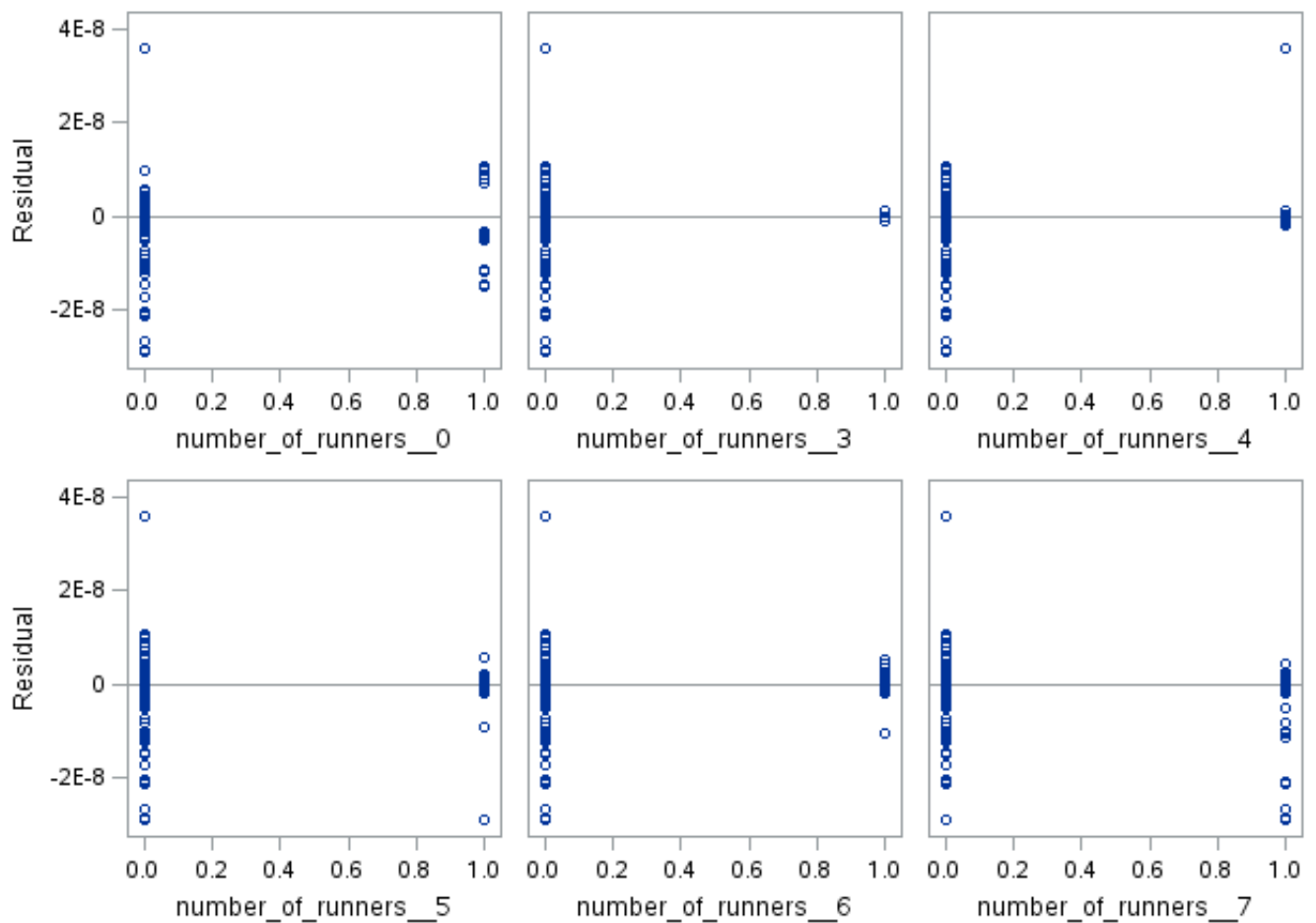
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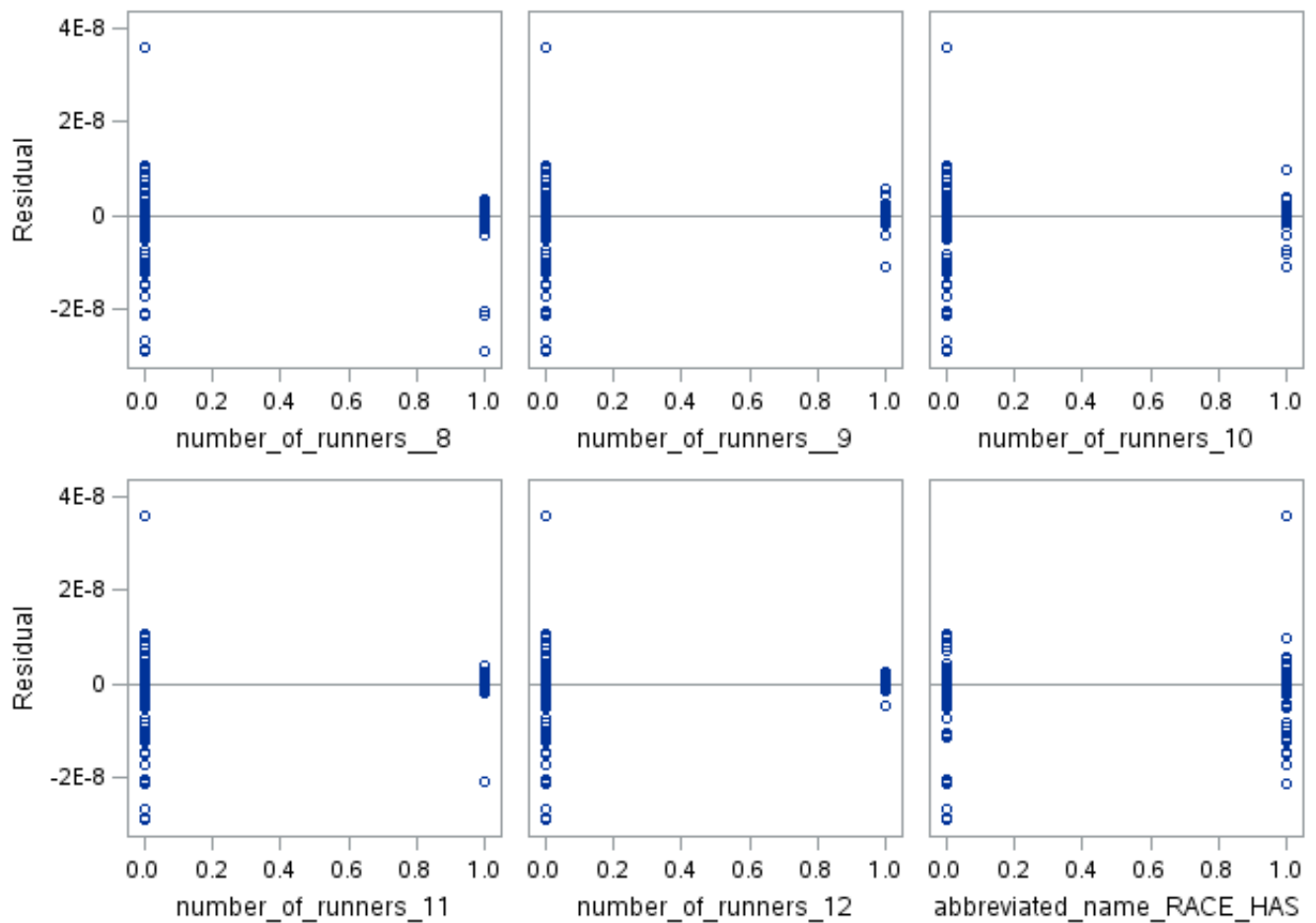
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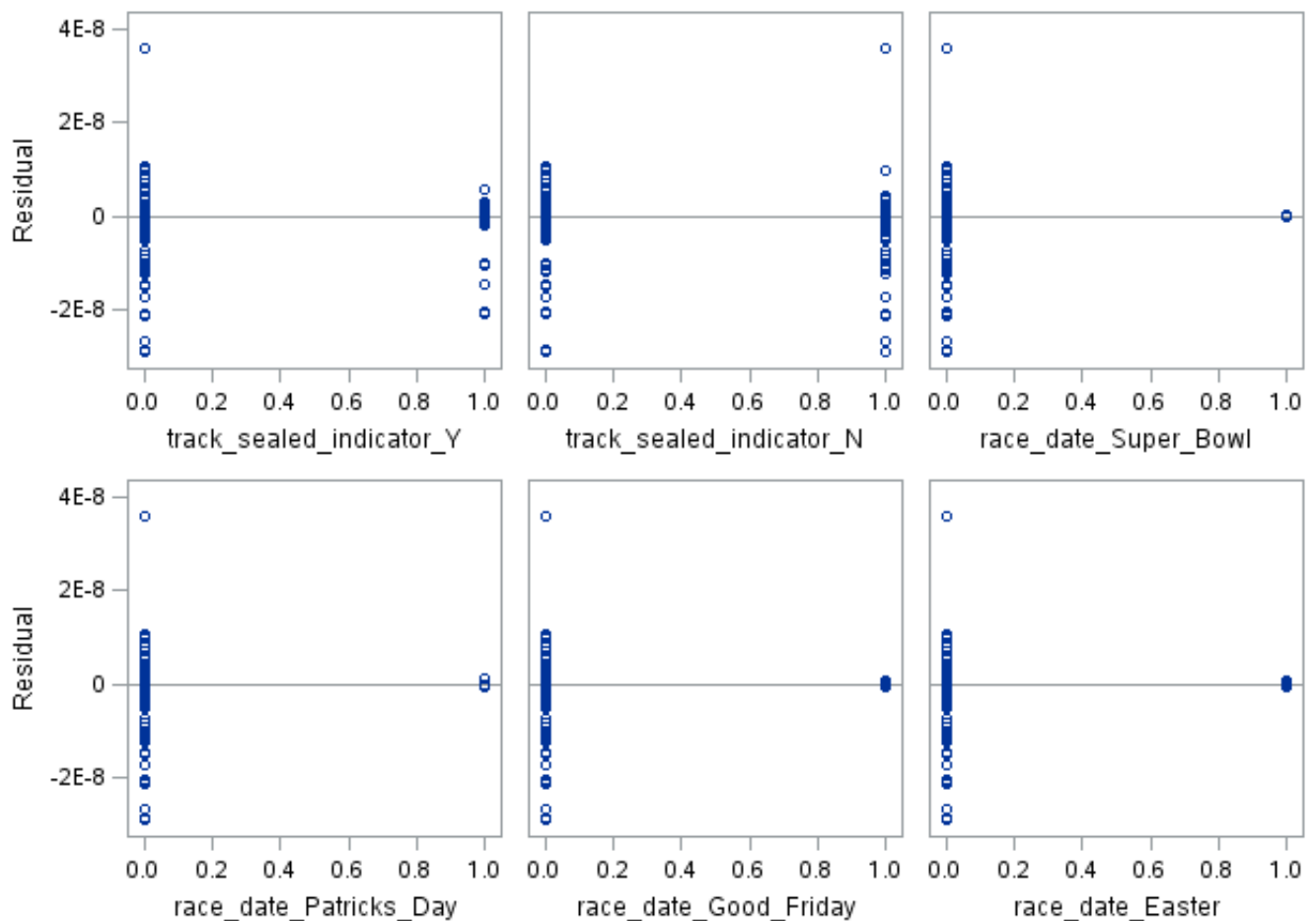
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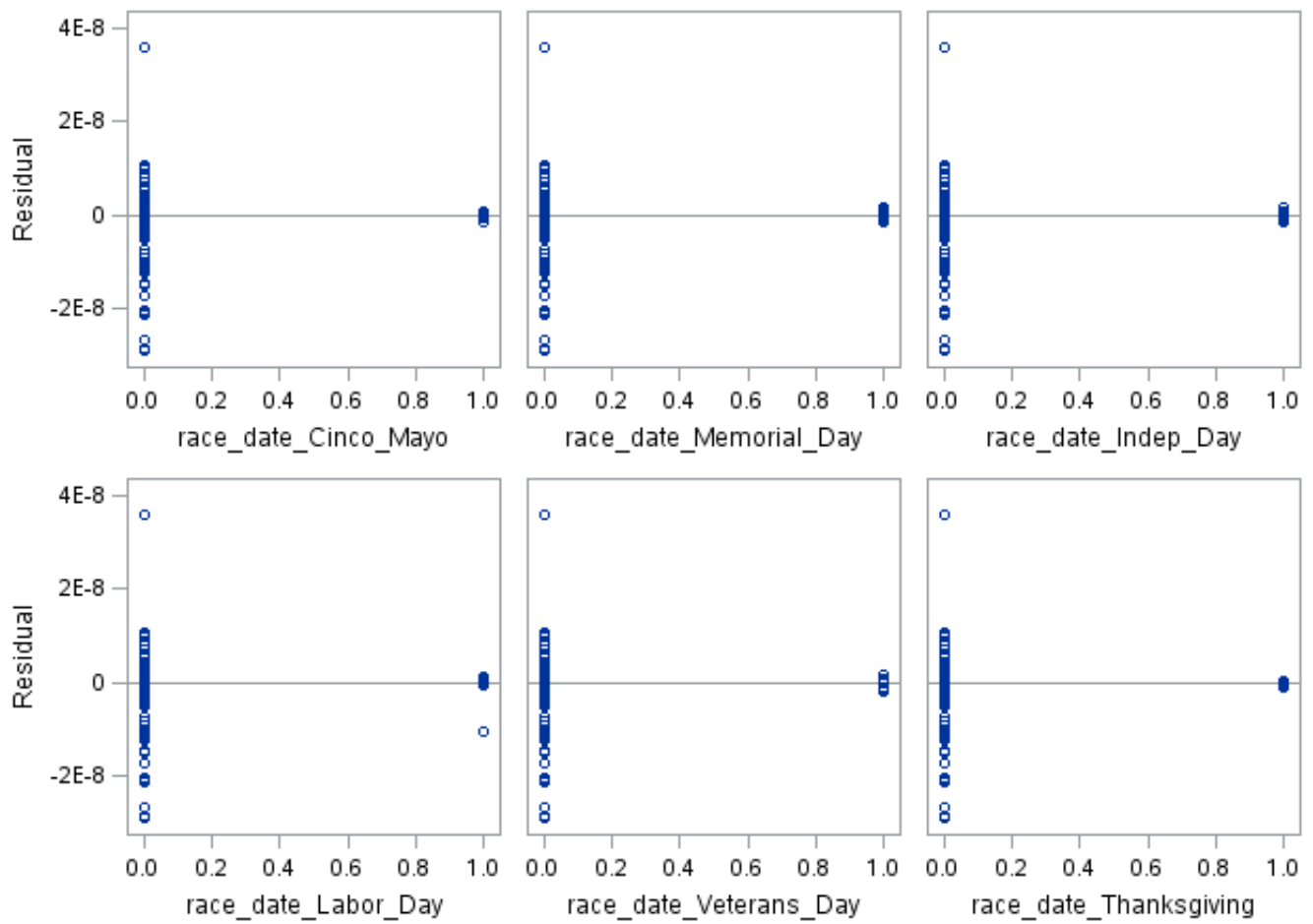
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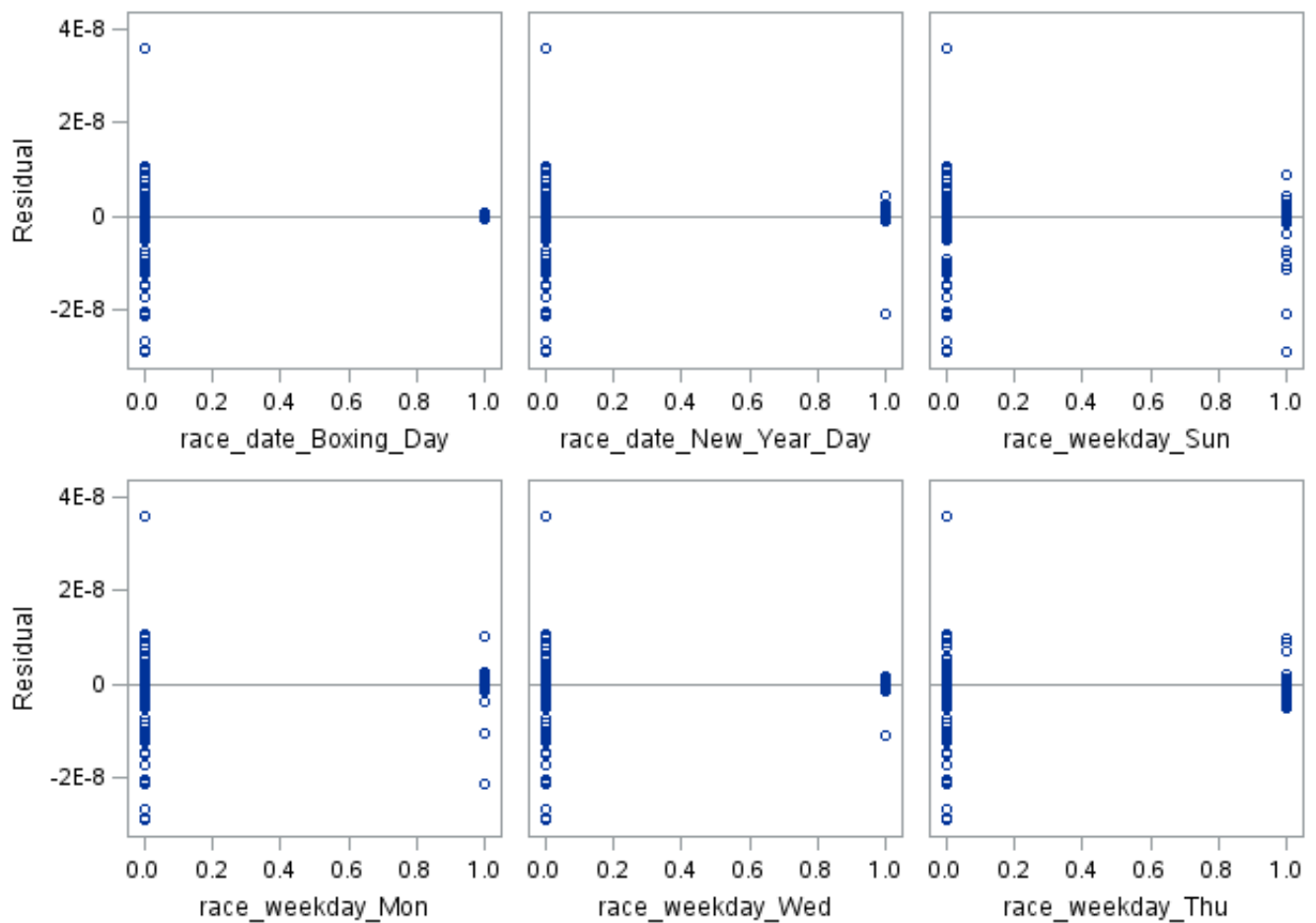
Residual by Regressors for handle



Residual by Regressors for handle



Residual by Regressors for handle



Residual by Regressors for handle

