Linear Model using Development Dataset

The REG Procedure
Model: AP_TRACK
Dependent Variable: handle

Number of Observations Read	1199
Number of Observations Used	1199

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	120	1.016195E14	8.468292E11	Infty	<.0001
Error	1078	0	0		
Corrected Total	1198	1.016195E14			

Root MSE	0	R-Square	1.0000
Dependent Mean	446334	Adj R-Sq	1.0000
Coeff Var	0		

Parameter Estimates

Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	Intercept	1	9.73893E-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
race_number_1		1	-2.69801E-8	0	-Infty	<.0001
race_number_2		1	-2.64162E-8	0	-Infty	<.0001
race_number_3		1	-2.69934E-8	0	-Infty	<.0001
race_number_4		1	-2.67396E-8	0	-Infty	<.0001
race_number_5		1	-2.67269E-8	0	-Infty	<.0001
race_number_6		1	-2.65936E-8	0	-Infty	<.0001
race_number_7		1	-2.67572E-8	0	-Infty	<.0001
race_number_8		1	-2.66629E-8	0	-Infty	<.0001
race_number_9		1	-2.61152E-8	0	-Infty	<.0001
race_number_10		1	-2.61005E-8	0	-Infty	<.0001
race_number_11		1	-3.20276E-8	0	-Infty	<.0001
conditions_of_race_NW2_L		1	-5.987E-10	0	-Infty	<.0001
conditions_of_race_NW1_X		1	5.60427E-10	0	Infty	<.0001
conditions_of_race_NW2_X		1	3.24418E-10	0	Infty	<.0001
conditions_of_race_NW3_L		1	1.70073E-10	0	Infty	<.0001
conditions_of_race_C		1	4.12195E-10	0	Infty	<.0001
conditions_of_race_NW3_X		1	-1.4159E-10	0	-Infty	<.0001
conditions_of_race_OTHER		1	2.95755E-10	0	Infty	<.0001
race_type_CLM		1	-2.91625E-8	0	-Infty	<.0001
race_type_MCL		1	-2.77925E-8	0	-Infty	<.0001
race_type_MSW		1	4.681213E-9	0	Infty	<.0001
race_type_AOC		1	-3.04494E-8	0	-Infty	<.0001
race_type_ALW		1	2.041664E-9	0	Infty	<.0001
race_type_STK		1	1.744169E-9	0	Infty	<.0001
race_type_STR		1	-2.03508E-8	0	-Infty	<.0001
age_restriction_3U		1	-5.6562E-10	0	-Infty	<.0001
age_restriction_02		1	-1.8772E-9	0	-Infty	<.0001
age_restriction_34		1	-2.01124E-9	0	-Infty	<.0001
sex_restriction_B		1	2.94227E-10	0	Infty	<.0001

sex_restriction_F		1	-2.2192E-10	0	-Infty	<.0001
distance_id_600		1	-5.08323E-9	0	-Infty	<.0001
distance_id_800		1	-5.47748E-9	0	-Infty	<.0001
distance_id_850		1	-5.91751E-9	0	-Infty	<.0001
distance_id_550		1	-5.17981E-9	0	-Infty	<.0001
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distance_id_500		1	-5.77947E-9	0	-Infty	<.0001
distance_id_650		1	-5.49217E-9	0	-Infty	<.0001
distance_id_900		1	-5.26322E-9	0	-Infty	<.0001
distance_id_450		1	-5.74004E-9	0	-Infty	<.0001
distance_id_750		1	-5.11438E-9	0	-Infty	<.0001
distance_id_1200		1	-5.09E-9	0	-Infty	<.0001
distance_id_1000		1	-6.21874E-9	0	-Infty	<.0001
distance_id_950		1	-1.03542E-8	0	-Infty	<.0001
about_distance_indicator_A		1	-1.8215E-10	0	-Infty	<.0001
course_type_T		1	1.273871E-9	0	Infty	<.0001
purse_usa_30K		1	-1.9747E-11	0	-Infty	<.0001
purse_usa_40K		1	6.06607E-10	0	Infty	<.0001
purse_usa_100K		1	4.65718E-10	0	Infty	<.0001
purse_usa_MT_100K		1	2.02456E-9	0	Infty	<.0001
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track_condition_FM		1	-5.78228E-9	0	-Infty	<.0001
track_condition_SY		1	-4.22732E-9	0	-Infty	<.0001
track_condition_GD		1	-5.48533E-9	0	-Infty	<.0001
track_condition_YL		1	-6.53945E-9	0	-Infty	<.0001
track_condition_MY		1	-3.88133E-9	0	-Infty	<.0001
track_condition_SF		1	-5.79261E-9	0	-Infty	<.0001
weather_C		1	1.18007E-10	0	Infty	<.0001
weather_L		1	-3.6146E-11	0	-Infty	<.0001
weather_O		1	-1.9875E-10	0	-Infty	<.0001
weather_H		1	1.01286E-10	0	Infty	<.0001
minimum_claim_price_10K		1	1.163163E-8	0	Infty	<.0001
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minimum_claim_price_40K		1	-1.41424E-8	0	-Infty	<.0001
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minimum_claim_price_17K		1	4.048846E-9	0	Infty	<.0001
minimum_claim_price__4K		1	-1.45649E-8	0	-Infty	<.0001
minimum_claim_price_18K		1	2.927619E-9	0	Infty	<.0001
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maximum_claim_price__10K		1	-2.57712E-8	0	-Infty	<.0001

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maximum_claim_price__30K		1	-1.50529E-8	0	-Infty	<.0001
maximum_claim_price___8K		1	-1.4435E-8	0	-Infty	<.0001
maximum_claim_price__17K		1	-1.84299E-8	0	-Infty	<.0001
maximum_claim_price__14K		1	-1.5944E-8	0	-Infty	<.0001
maximum_claim_price__13K		1	-1.44529E-8	0	-Infty	<.0001
maximum_claim_price__80K		1	-1.42588E-8	0	-Infty	<.0001
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grade_2		1	4.036831E-9	0	Infty	<.0001
grade_3		1	-5.8378E-10	0	-Infty	<.0001
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number_of_runners__4		1	-1.50755E-8	0	-Infty	<.0001
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number_of_runners__6		1	-1.45266E-8	0	-Infty	<.0001
number_of_runners__7		1	-1.44579E-8	0	-Infty	<.0001
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number_of_runners__9		1	-1.43457E-8	0	-Infty	<.0001
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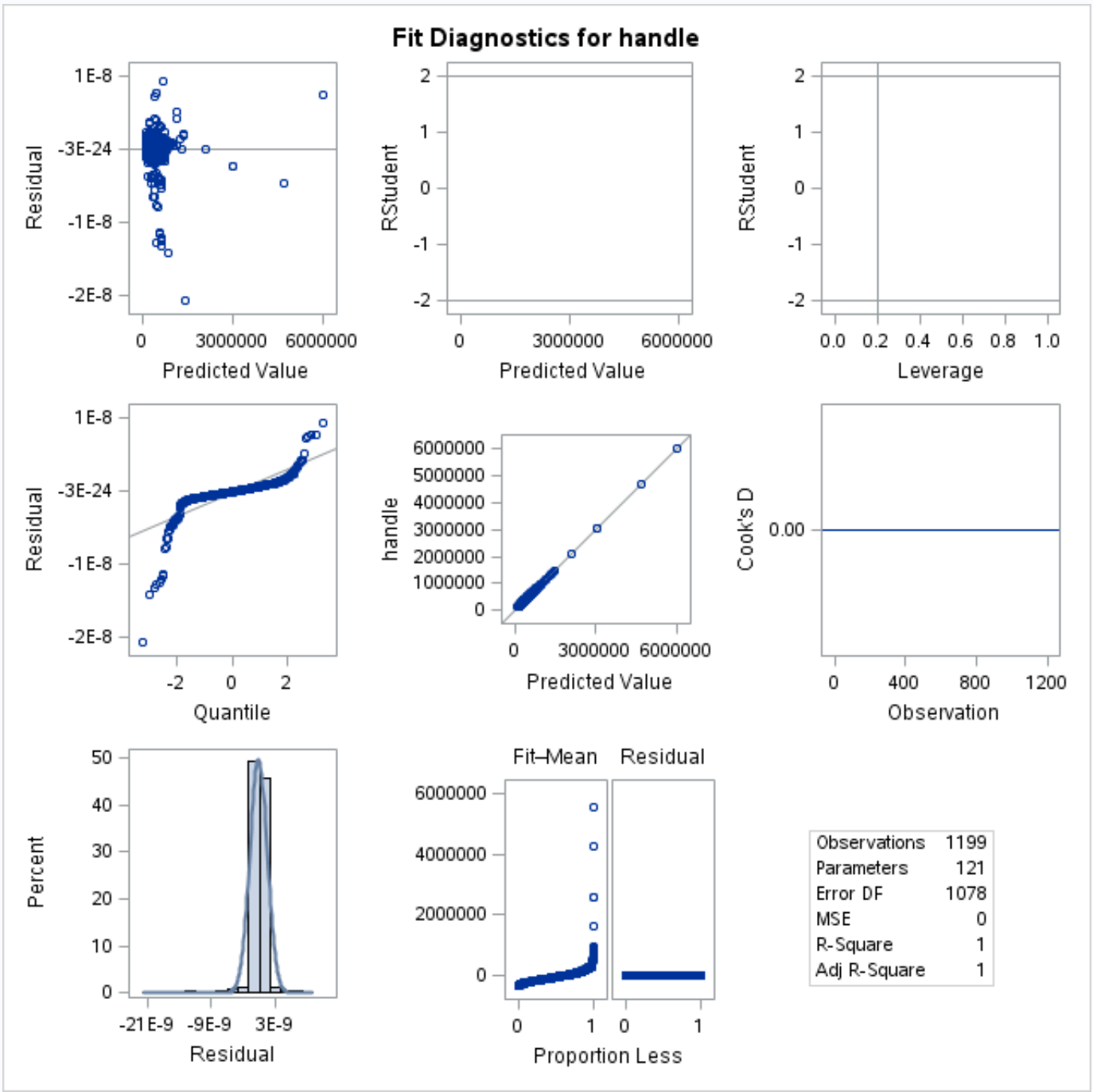
number_of_runners_11		1	-1.38454E-8	0	-Infty	<.0001
number_of_runners_12		1	-1.3931E-8	0	-Infty	<.0001
track_sealed_indicator_Y		1	-1.28531E-9	0	-Infty	<.0001
track_sealed_indicator_N		1	-5.1666E-10	0	-Infty	<.0001
race_date_Cinco_Mayo		1	-2.9544E-10	0	-Infty	<.0001
race_date_Memorial_Day		1	4.69699E-10	0	Infty	<.0001
race_date_Indep_Day		1	-1.627E-10	0	-Infty	<.0001
race_date_Labor_Day		1	-4.4482E-10	0	-Infty	<.0001
race_weekday_Sun		1	-1.10029E-9	0	-Infty	<.0001
race_weekday_Mon		1	-1.67793E-9	0	-Infty	<.0001
race_weekday_Wed		1	-1.05773E-9	0	-Infty	<.0001
race_weekday_Thu		1	-1.01097E-9	0	-Infty	<.0001
race_weekday_Fri		1	-9.7645E-10	0	-Infty	<.0001
race_weekday_Sat		1	-1.28586E-9	0	-Infty	<.0001

Linear Model using Development Dataset

The REG Procedure
Model: AP_TRACK
Dependent Variable: handle


Fit Diagnostics for handle
Residual
1E-8
-3E-24
-1E-8
-2E-8
0
3000000
6000000
Predicted Value
RStudent
2
1
0
-1
-2
0
3000000
6000000
Predicted Value
RStudent
2
1
0
-1
-2
0.0
0.2
0.4
0.6
0.8
1.0
Leverage
Residual
1E-8
-3E-24
-1E-8
-2E-8
-2
0
2
Quantile
handle
6000000
5000000
4000000
3000000
2000000
1000000
0
0
3000000
6000000
Predicted Value
Cook's D
0.00
0
400
800
1200
Observation
Percent
50
40
30
20
10
0
-21E-9
-9E-9
3E-9
Residual
Fit–Mean
Residual
6000000
4000000
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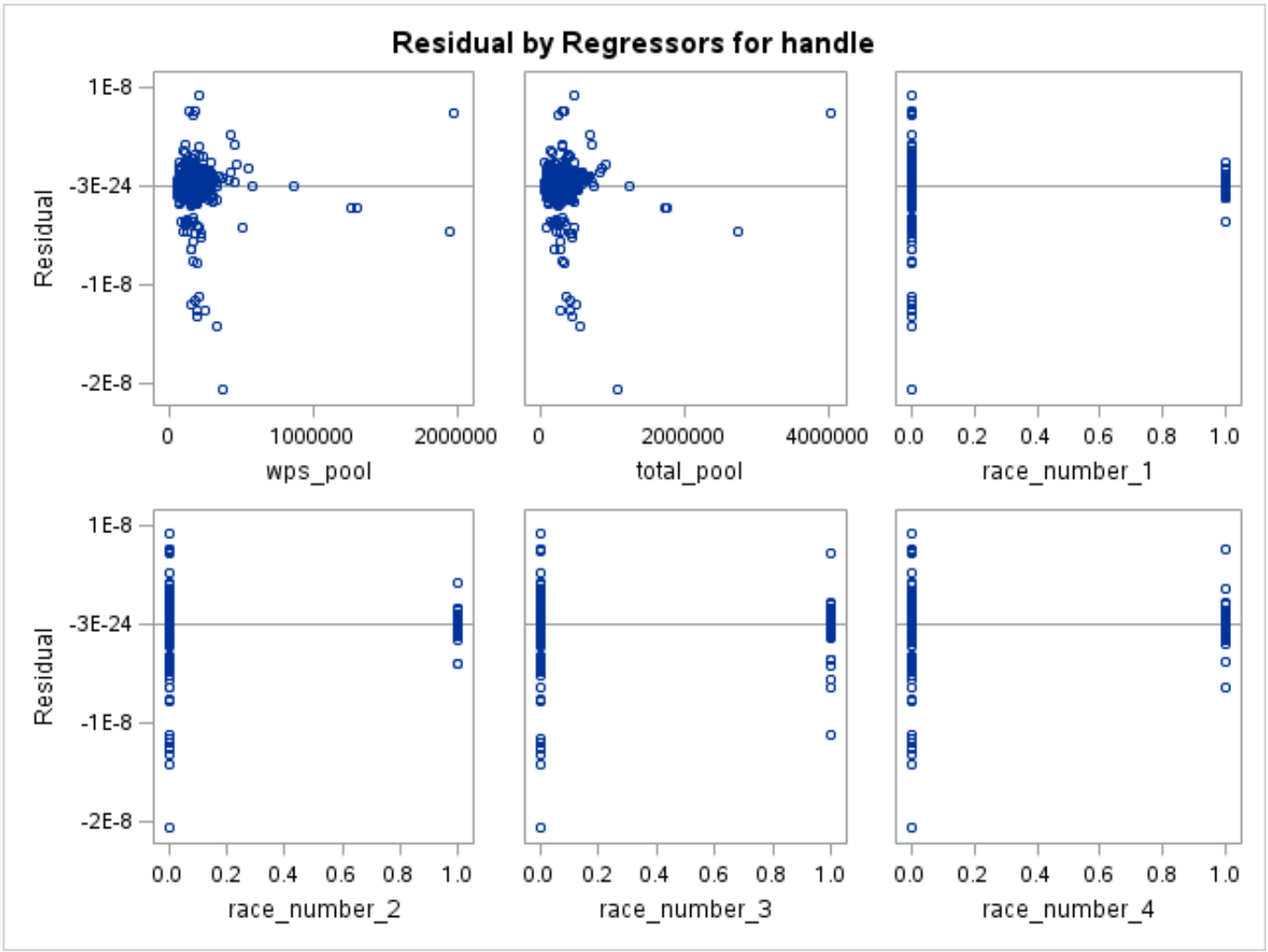
Adj R-Square 1


Residual by Regressors for handle
Residual
1E-8
-3E-24
-1E-8
-2E-8
0
1000000
2000000
wps_pool
0
2000000
4000000
total_pool
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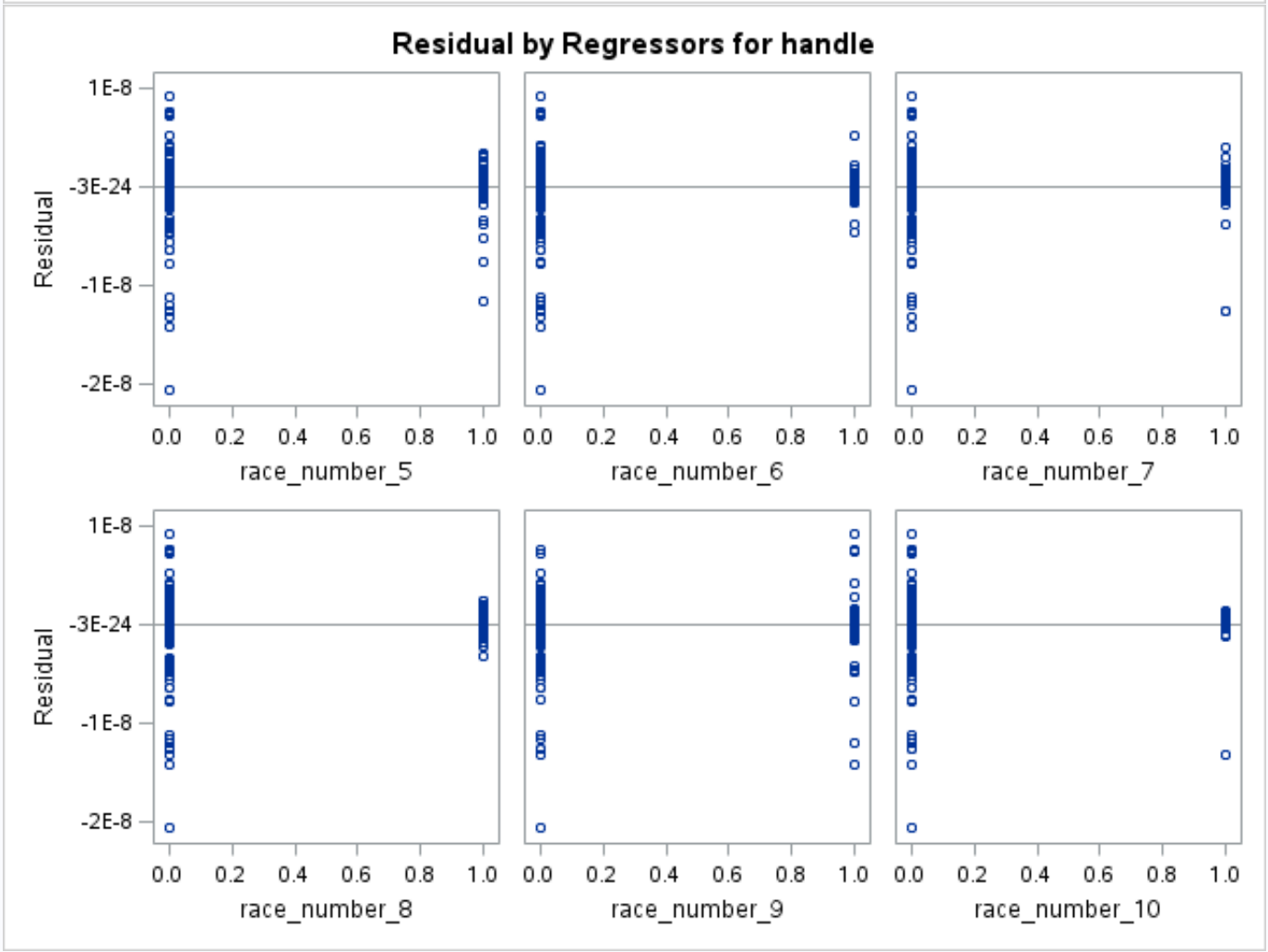
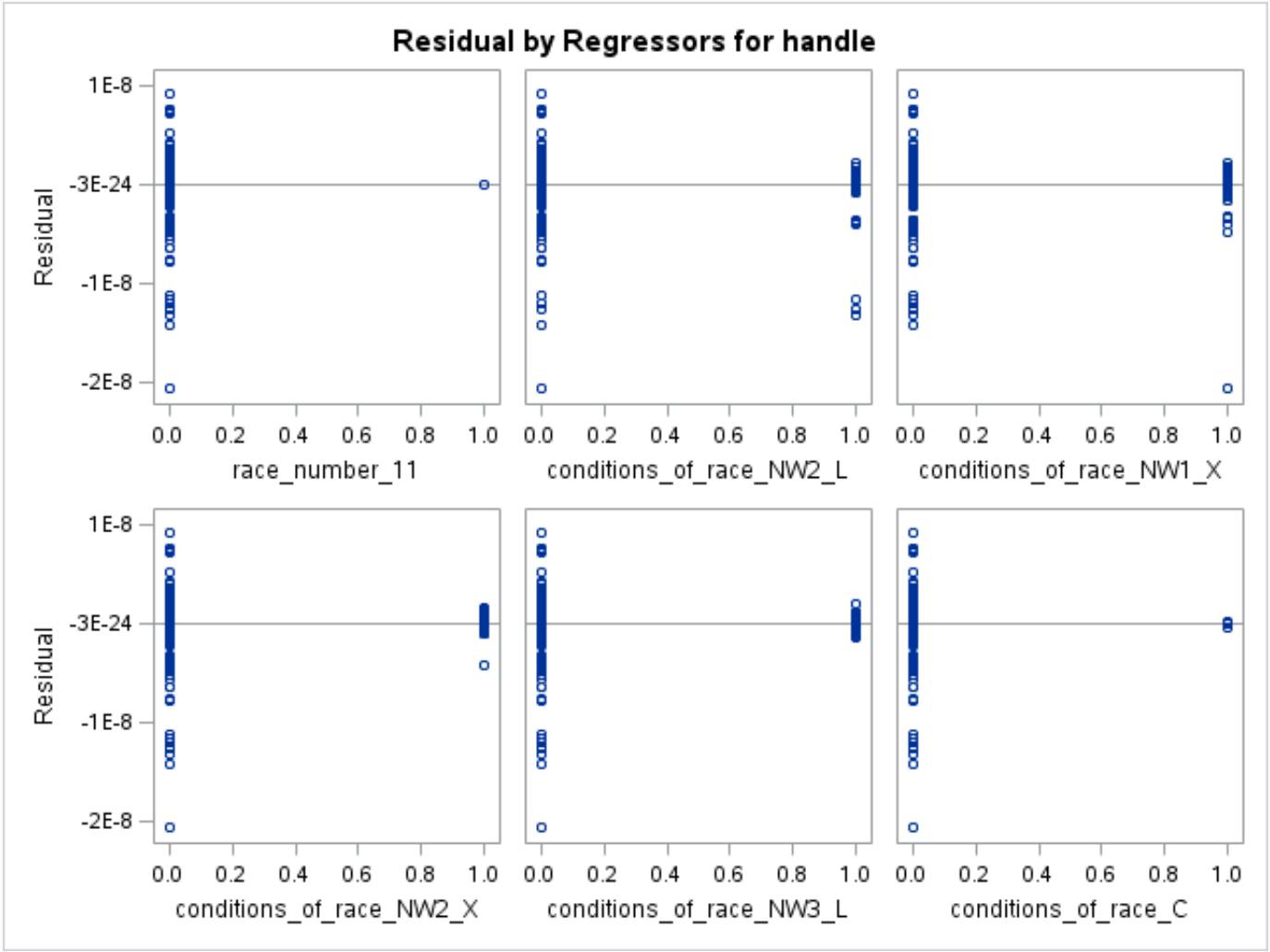
0.2
0.4
0.6
0.8
1.0
race_number_1
race_number_2
race_number_3
race_number_4


Residual by Regressors for handle
Residual
1E-8
-3E-24
-1E-8
-2E-8
0.0
0.2
0.4
0.6
0.8
1.0
race_number_5
race_number_6
race_number_7
race_number_8
race_number_9
race_number_10


Residual by Regressors for handle
Residual
1E-8
-3E-24
-1E-8
-2E-8
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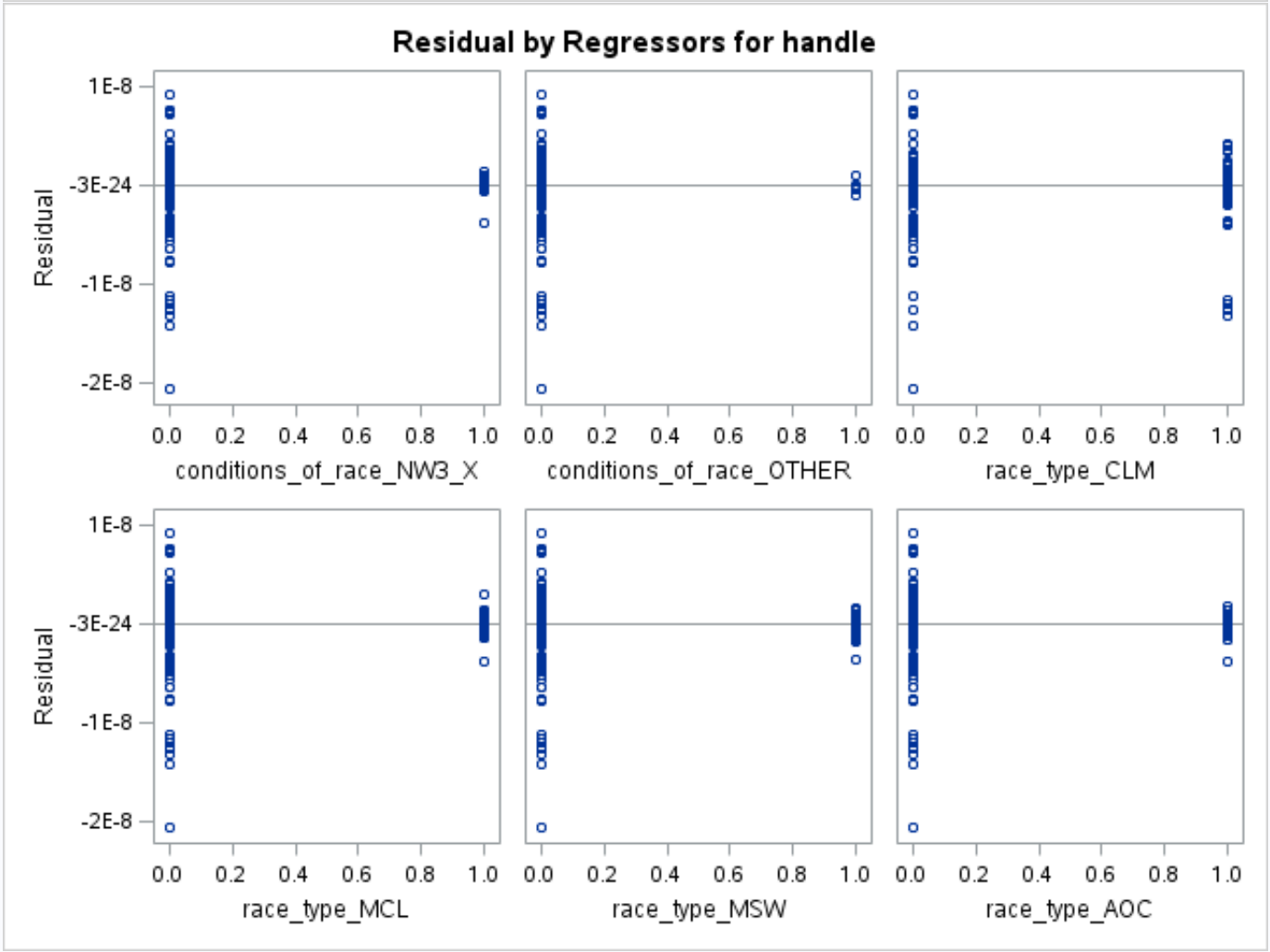
0.2
0.4
0.6
0.8
1.0
race_number_11
conditions_of_race_NW2_L
conditions_of_race_NW1_X
conditions_of_race_NW2_X
conditions_of_race_NW3_L
conditions_of_race_C


Residual by Regressors for handle
Residual
1E-8
-3E-24
-1E-8
-2E-8
0.0
0.2
0.4
0.6
0.8
1.0
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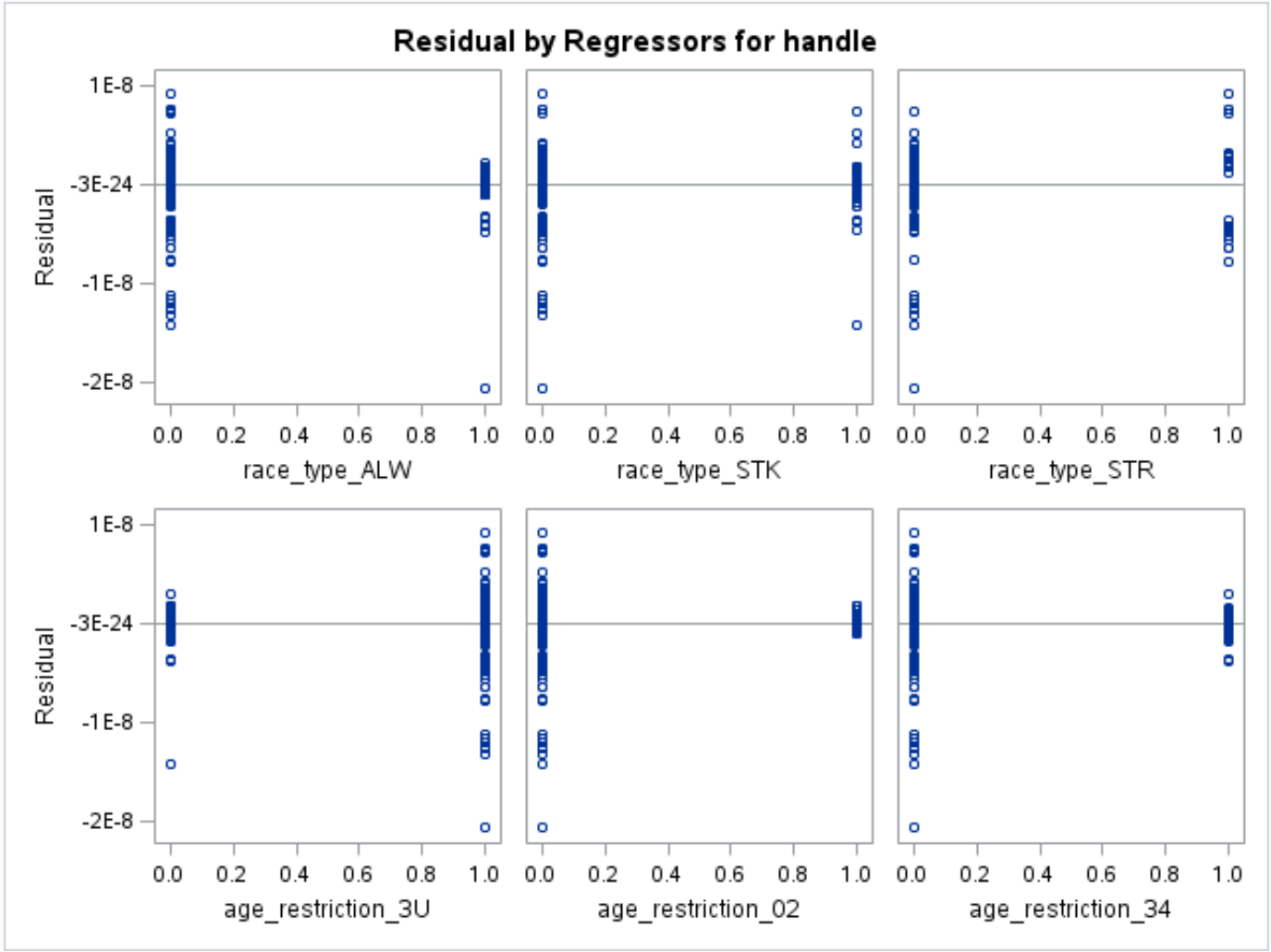
conditions_of_race_OTHER
race_type_CLM
race_type_MCL
race_type_MSW
race_type_AOC


Residual by Regressors for handle
Residual
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-3E-24
-1E-8
-2E-8
0.0
0.2
0.4
0.6
0.8
1.0
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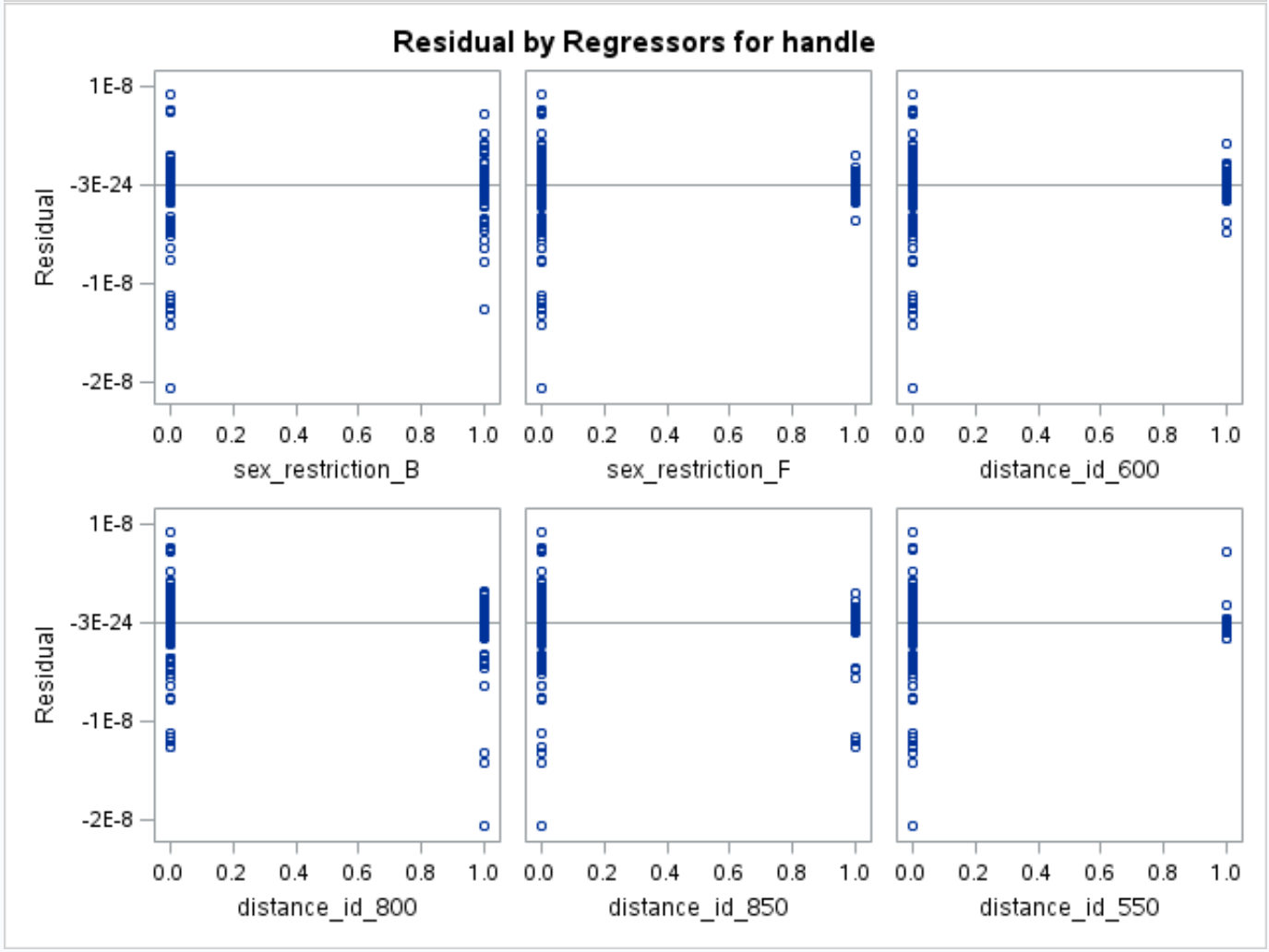
race_type_STK
race_type_STR
age_restriction_3U
age_restriction_02
age_restriction_34


Residual by Regressors for handle
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-3E-24
-1E-8
-2E-8
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0.2
0.4
0.6
0.8
1.0
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sex_restriction_F
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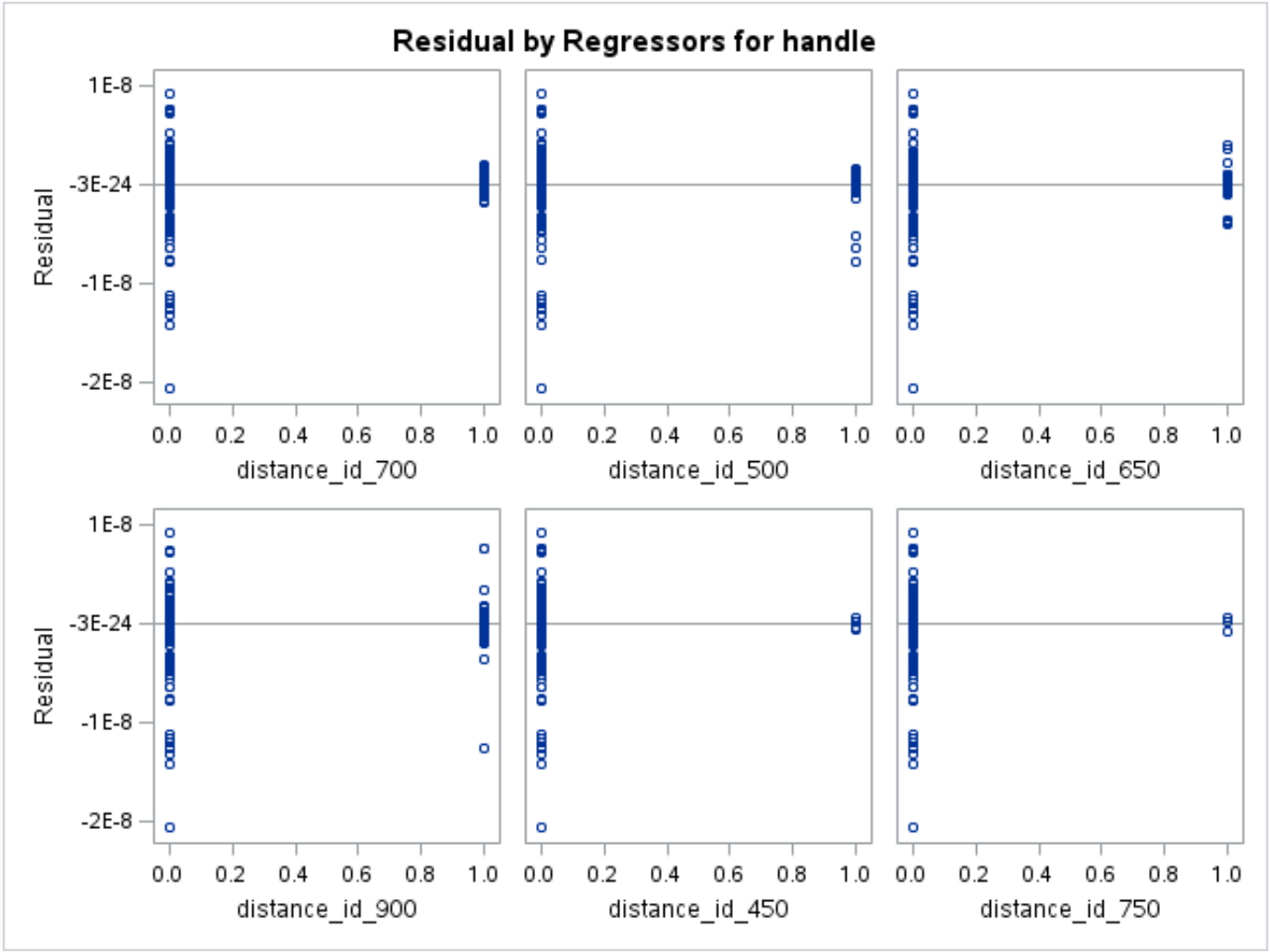
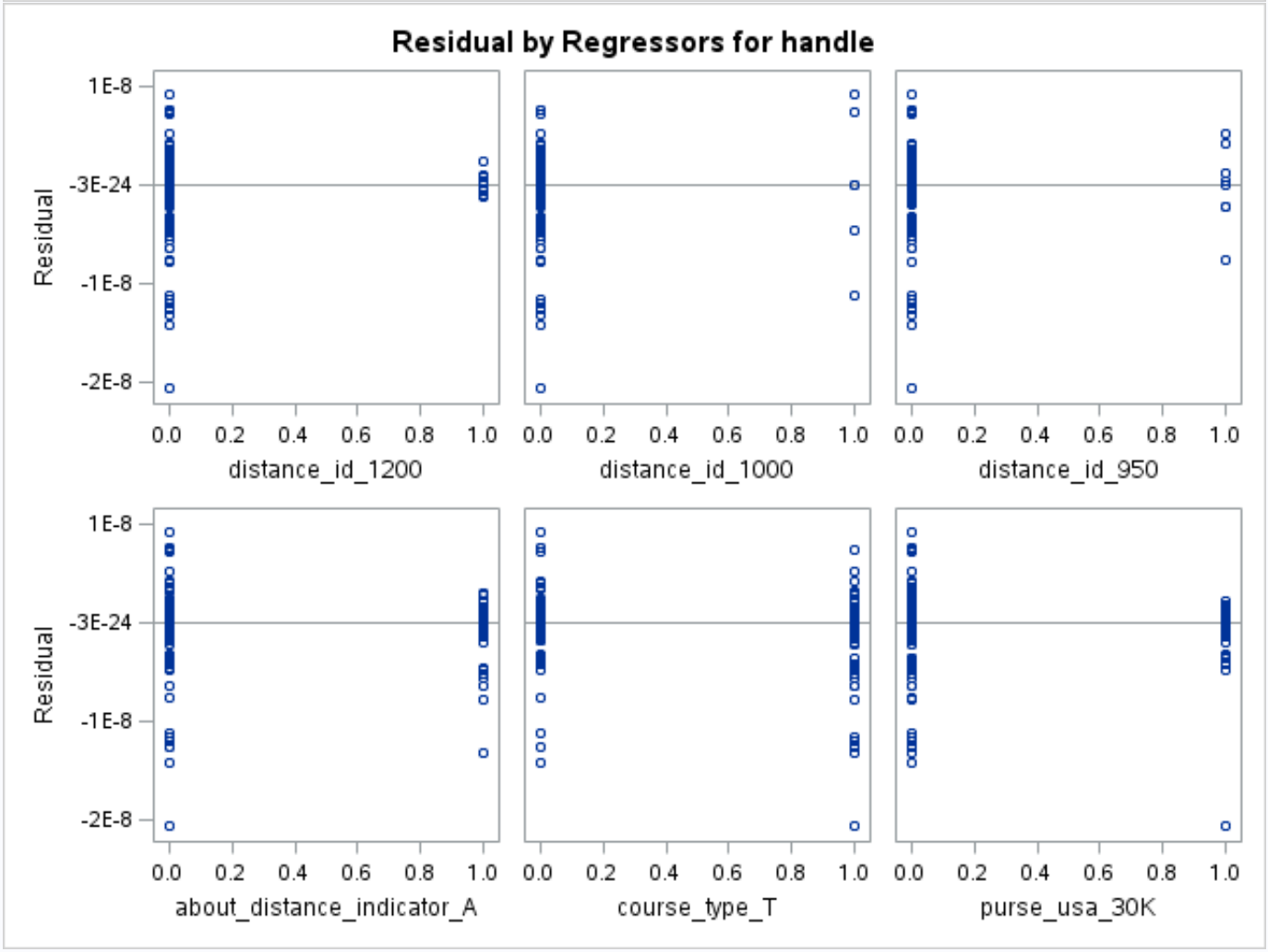
distance_id_800
distance_id_850
distance_id_550


Residual by Regressors for handle
Residual
1E-8
-3E-24
-1E-8
-2E-8
0.0
0.2
0.4
0.6
0.8
1.0
distance_id_700
distance_id_500
distance_id_650
distance_id_900
distance_id_450
distance_id_750


Residual by Regressors for handle
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-3E-24
-1E-8
-2E-8
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0.2
0.4
0.6
0.8
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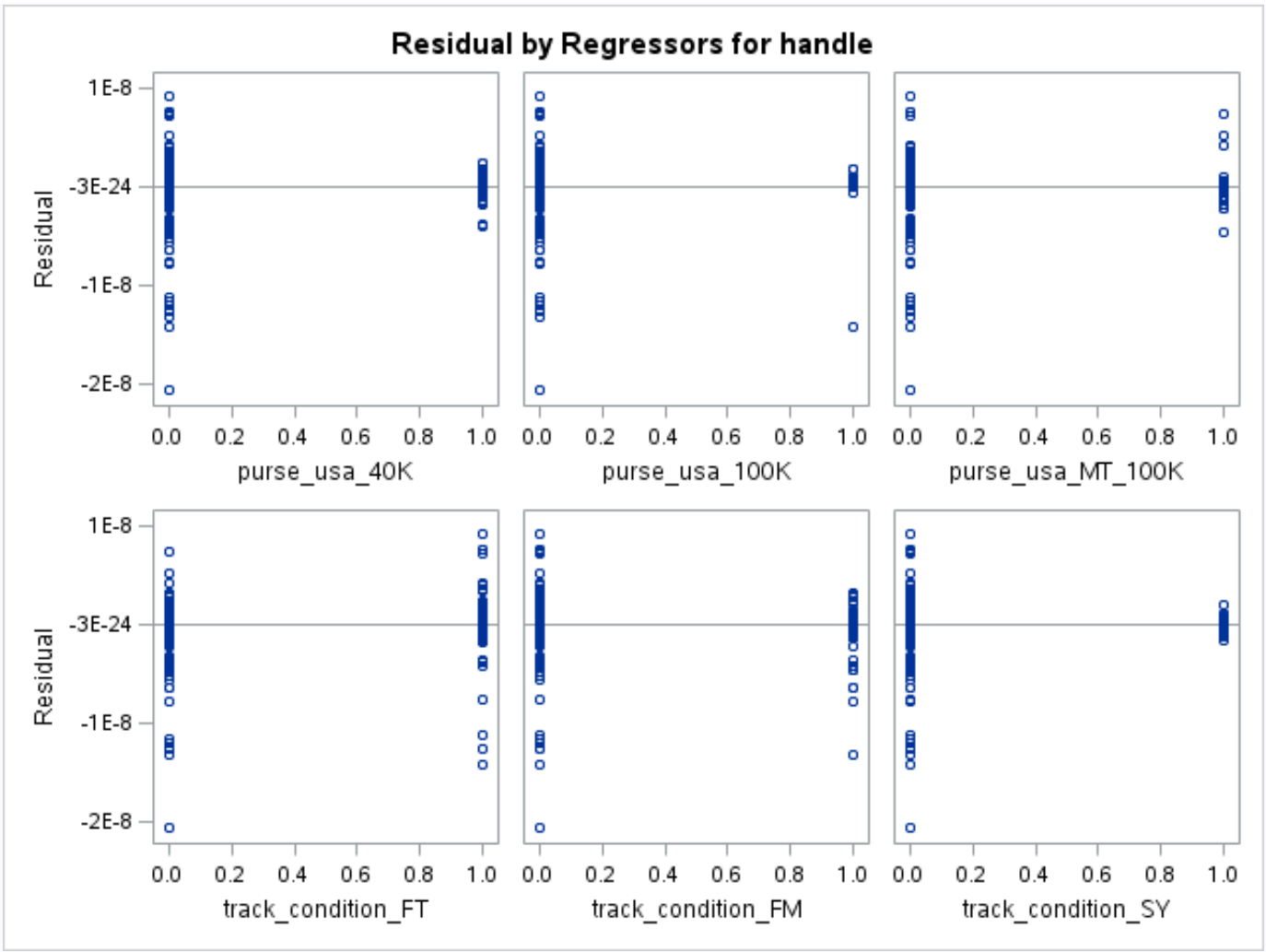
distance_id_1000
distance_id_950
about_distance_indicator_A
course_type_T
purse_usa_30K


Residual by Regressors for handle
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-1E-8
-2E-8
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0.2
0.4
0.6
0.8
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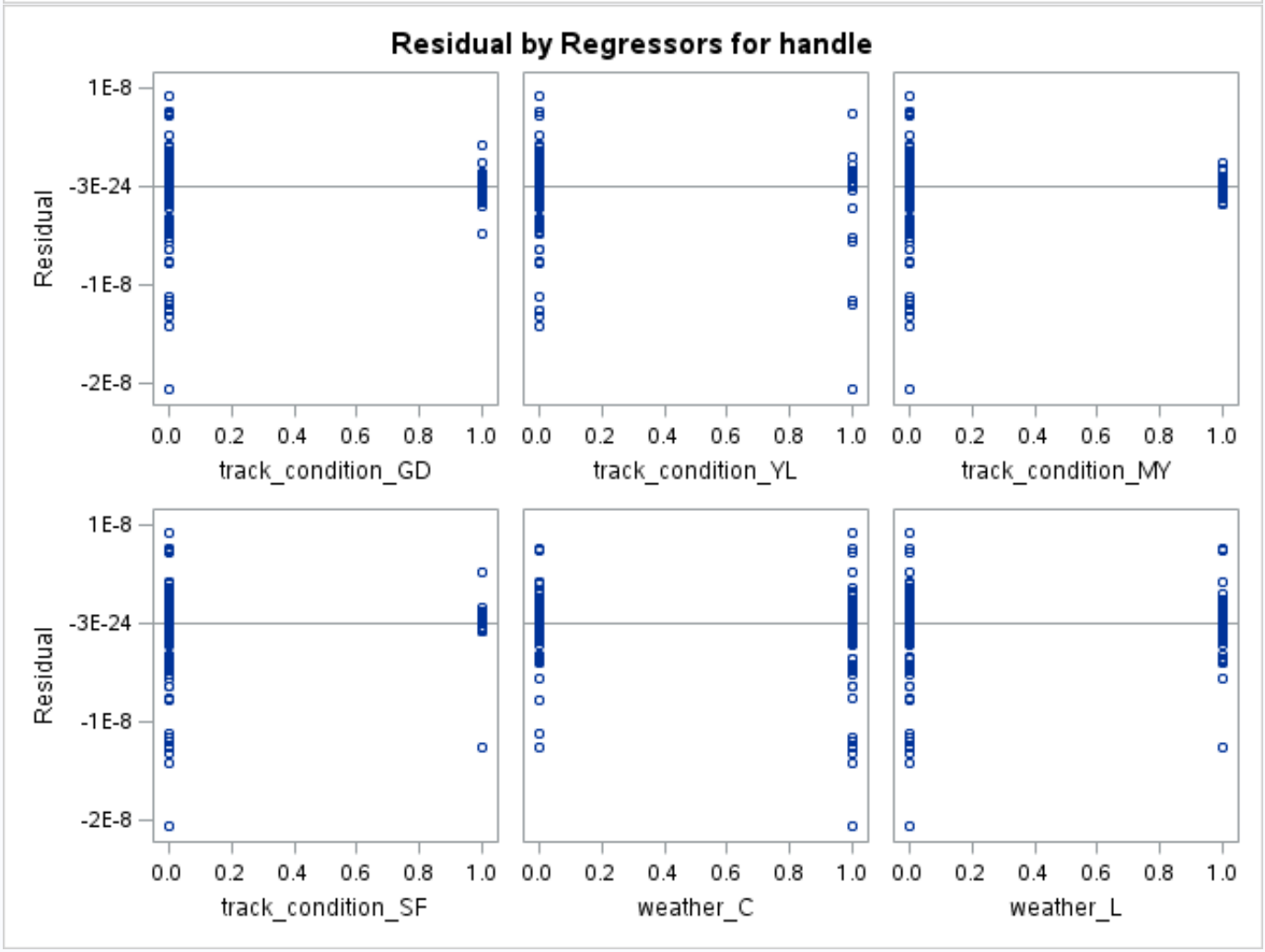
purse_usa_100K
purse_usa_MT_100K
track_condition_FT
track_condition_FM
track_condition_SY


Residual by Regressors for handle
Residual
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-3E-24
-1E-8
-2E-8
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0.2
0.4
0.6
0.8
1.0
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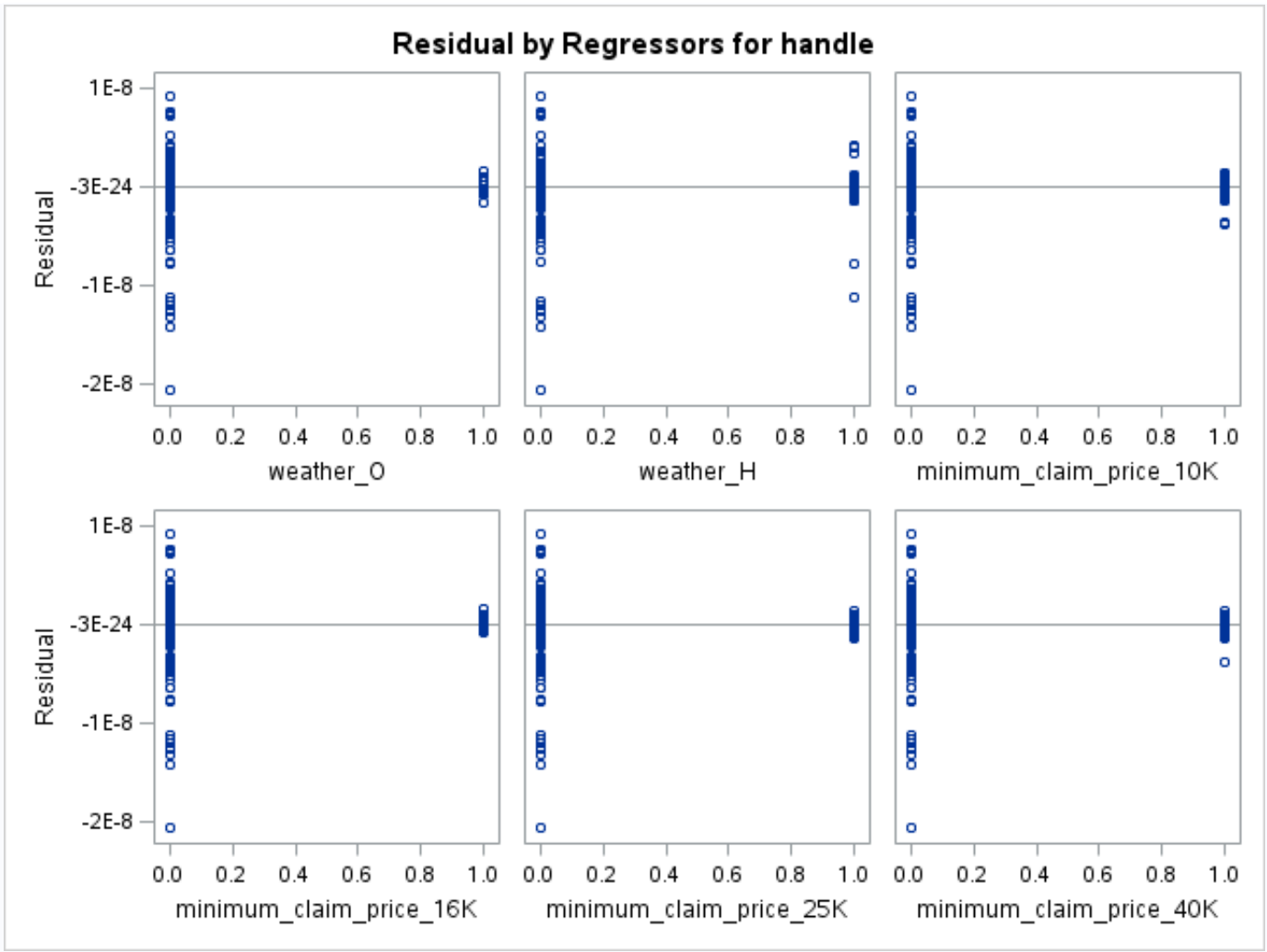
track_condition_YL
track_condition_MY
track_condition_SF
weather_C
weather_L


Residual by Regressors for handle
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-3E-24
-1E-8
-2E-8
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0.2
0.4
0.6
0.8
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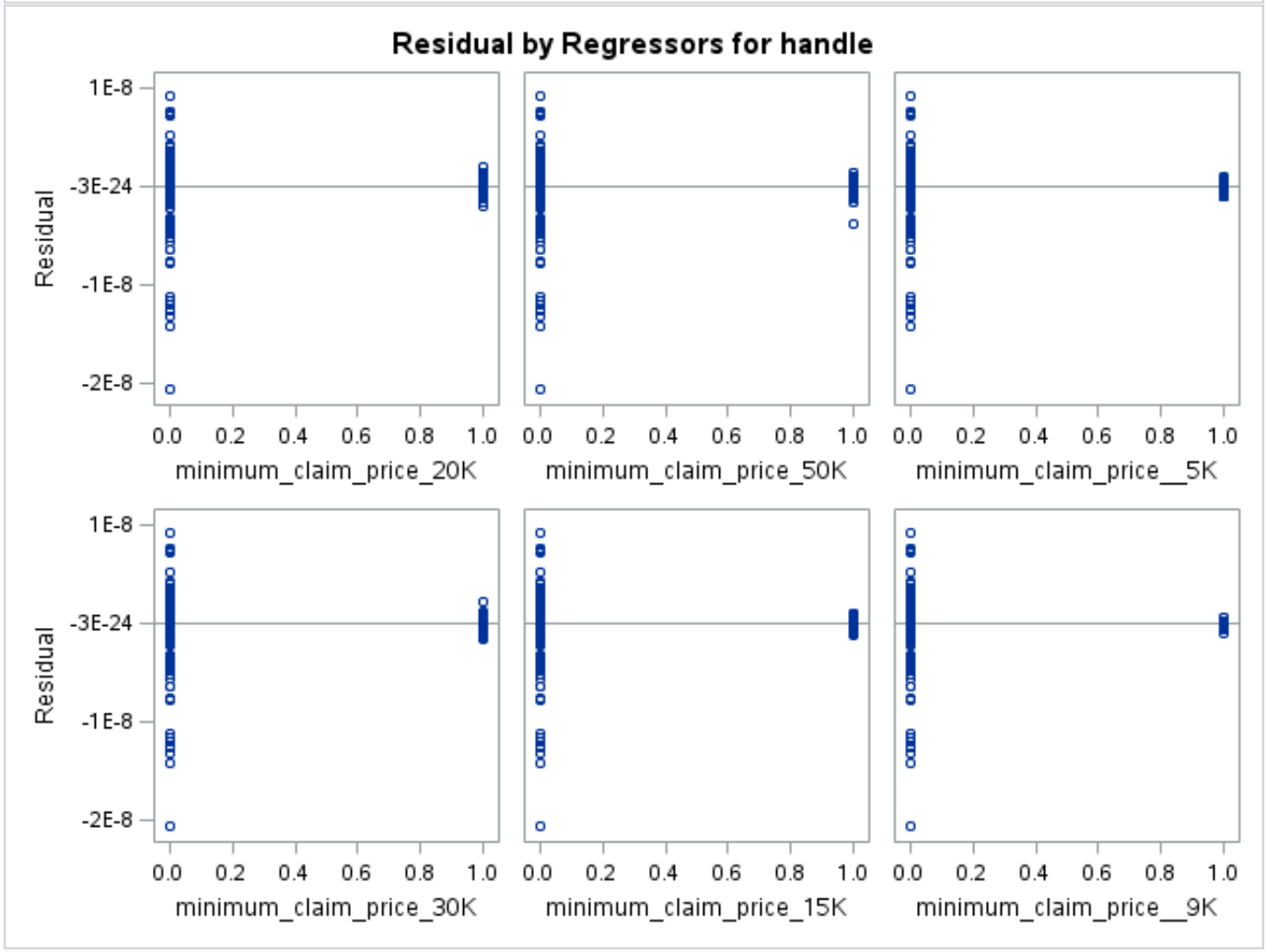
weather_O
weather_H
minimum_claim_price_10K
minimum_claim_price_16K
minimum_claim_price_25K
minimum_claim_price_40K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-3E-24
-1E-8
-2E-8
0.0
0.2
0.4
0.6
0.8
1.0
minimum_claim_price_20K
minimum_claim_price_50K
minimum_claim_price__5K
minimum_claim_price_30K
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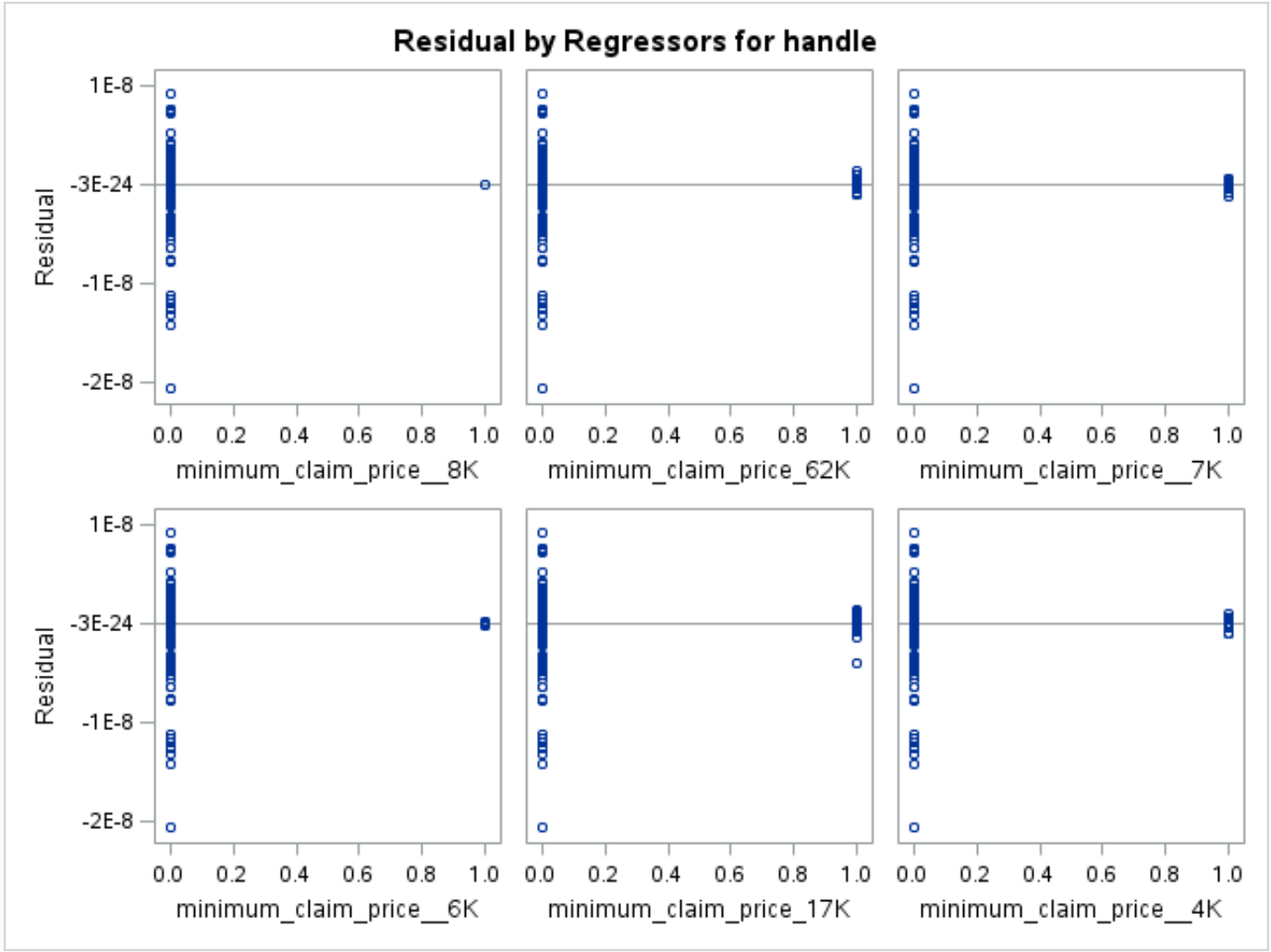
minimum_claim_price__9K


Residual by Regressors for handle
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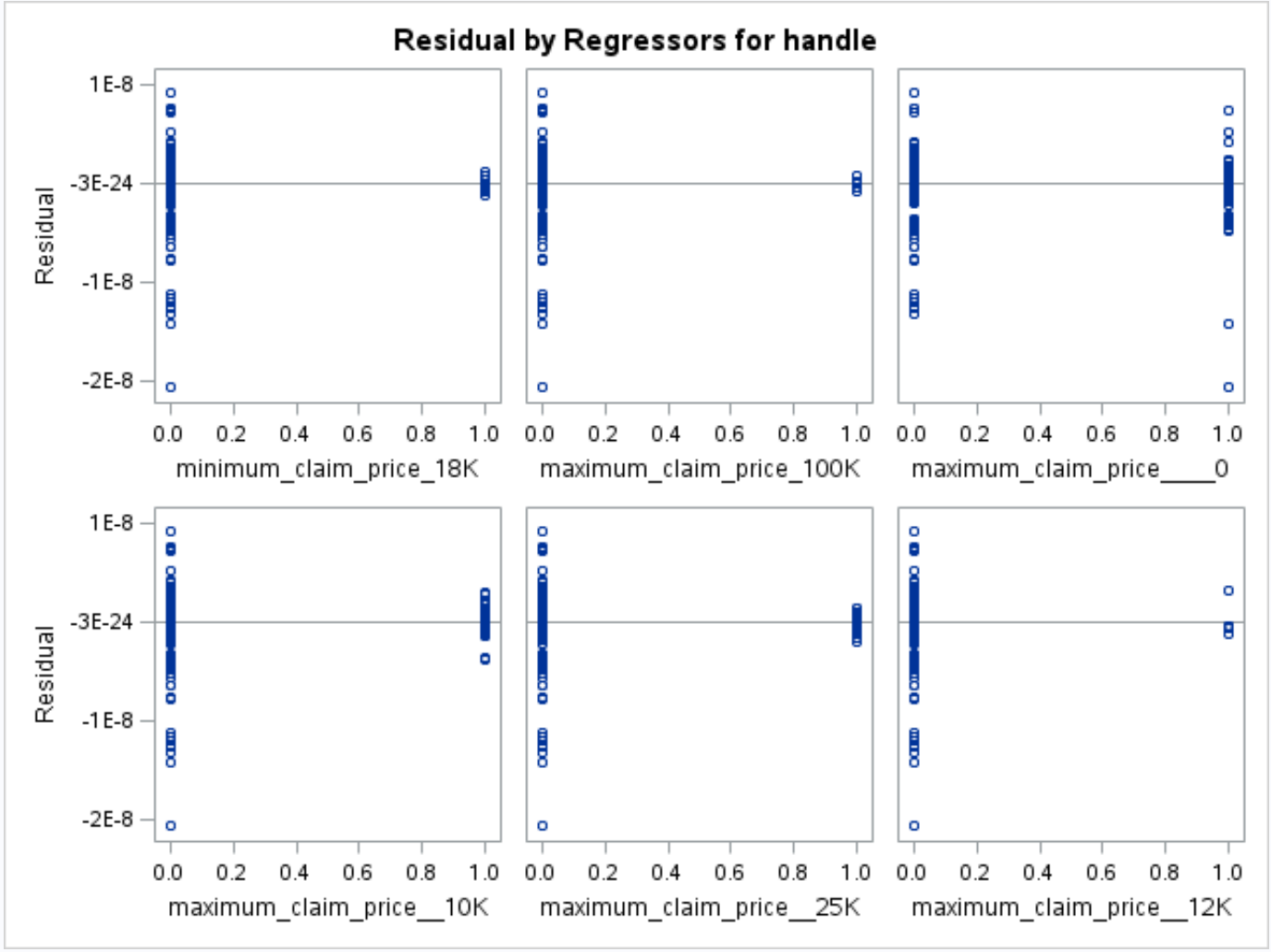
-3E-24
-1E-8
-2E-8
0.0
0.2
0.4
0.6
0.8
1.0
minimum_claim_price__8K
minimum_claim_price_62K
minimum_claim_price__7K
minimum_claim_price__6K
minimum_claim_price_17K
minimum_claim_price__4K


Residual by Regressors for handle
Residual
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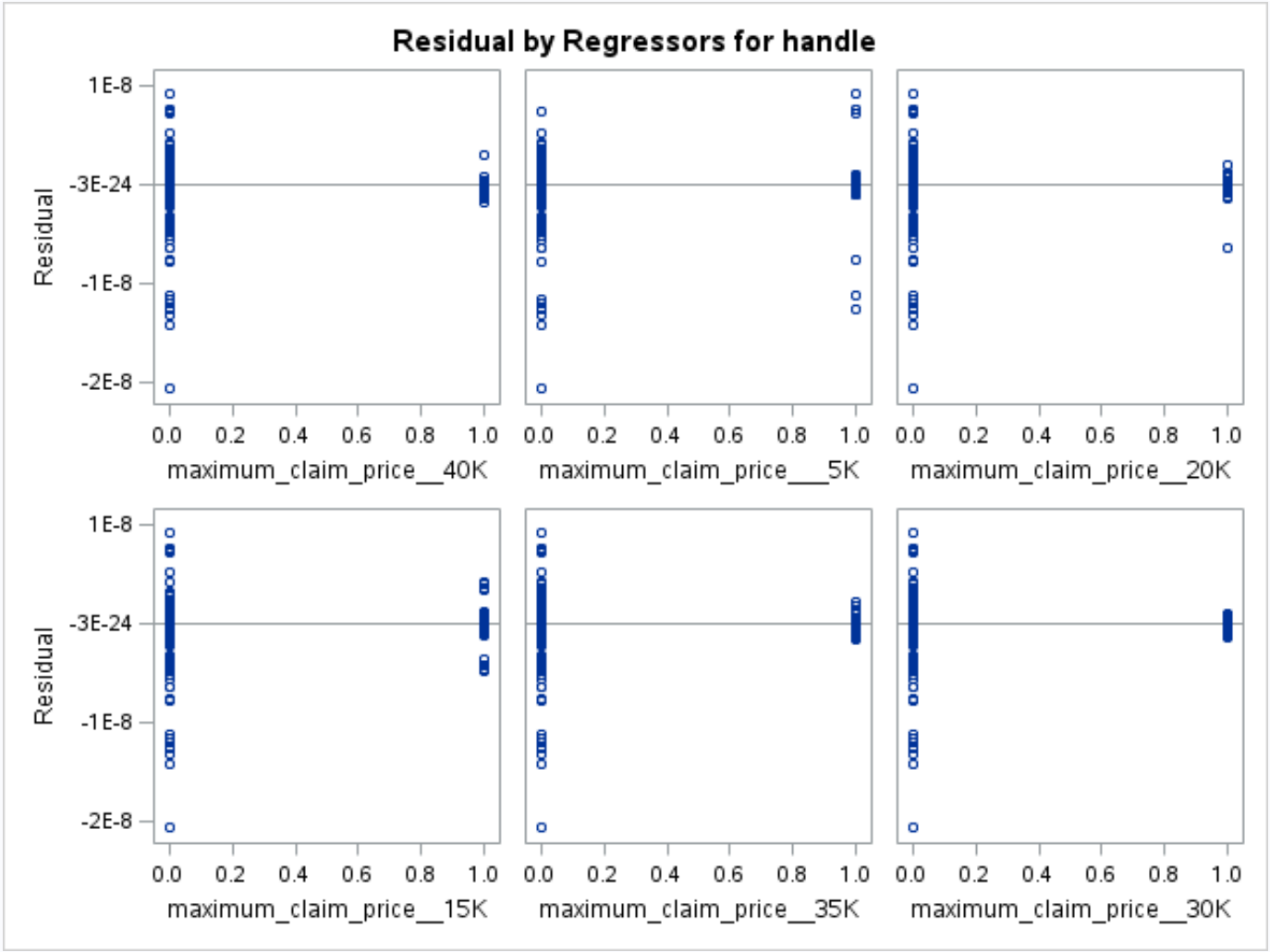
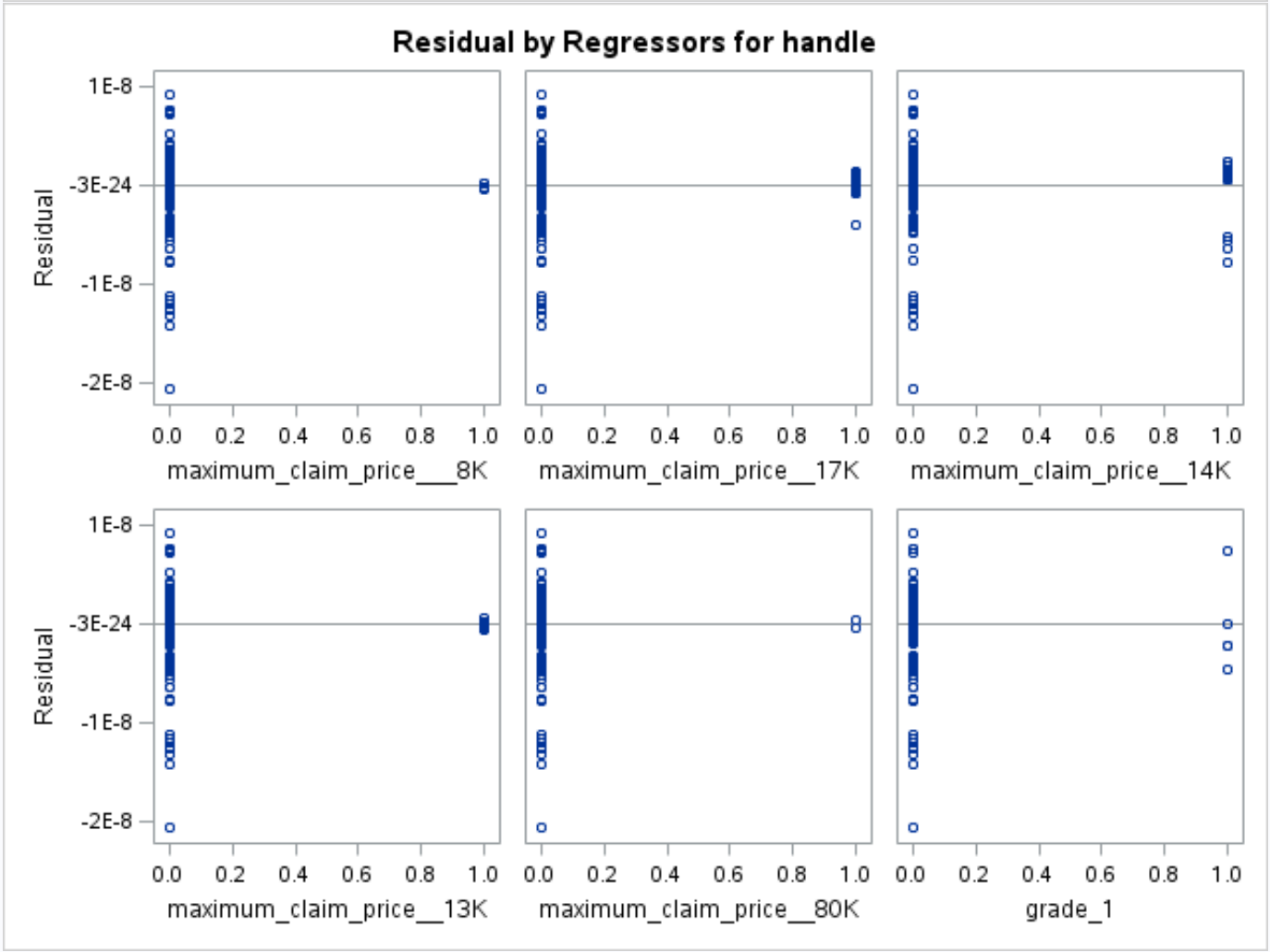
-3E-24
-1E-8
-2E-8
0.0
0.2
0.4
0.6
0.8
1.0
minimum_claim_price_18K
maximum_claim_price_100K
maximum_claim_price____0
maximum_claim_price__10K
maximum_claim_price__25K
maximum_claim_price__12K


Residual by Regressors for handle
Residual
1E-8
-3E-24
-1E-8
-2E-8
0.0
0.2
0.4
0.6
0.8
1.0
maximum_claim_price__40K
maximum_claim_price___5K
maximum_claim_price__20K
maximum_claim_price__15K
maximum_claim_price__35K
maximum_claim_price__30K


Residual by Regressors for handle
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-1E-8
-2E-8
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0.2
0.4
0.6
0.8
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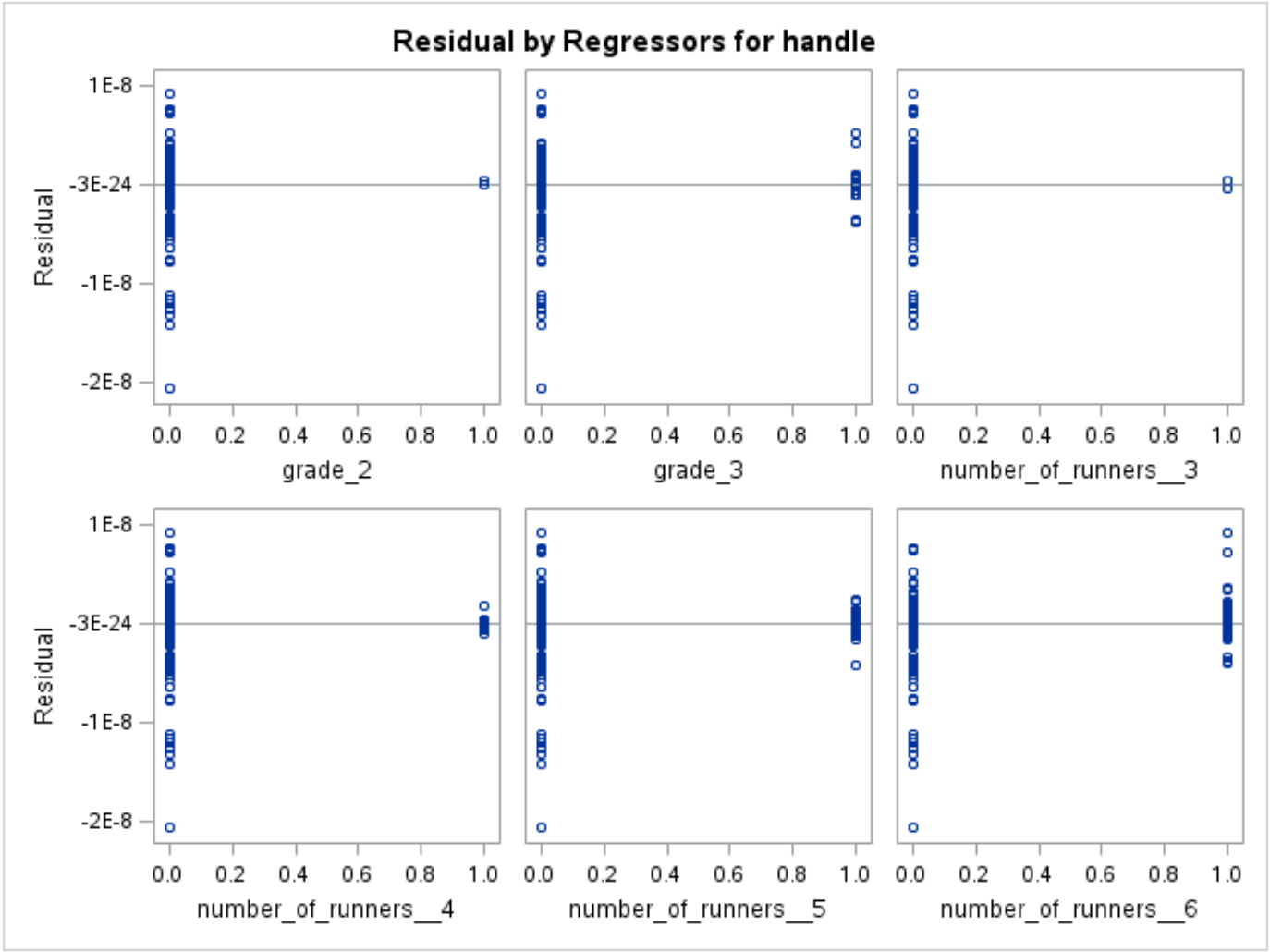
maximum_claim_price__17K
maximum_claim_price__14K
maximum_claim_price__13K
maximum_claim_price__80K
grade_1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-1E-8
-2E-8
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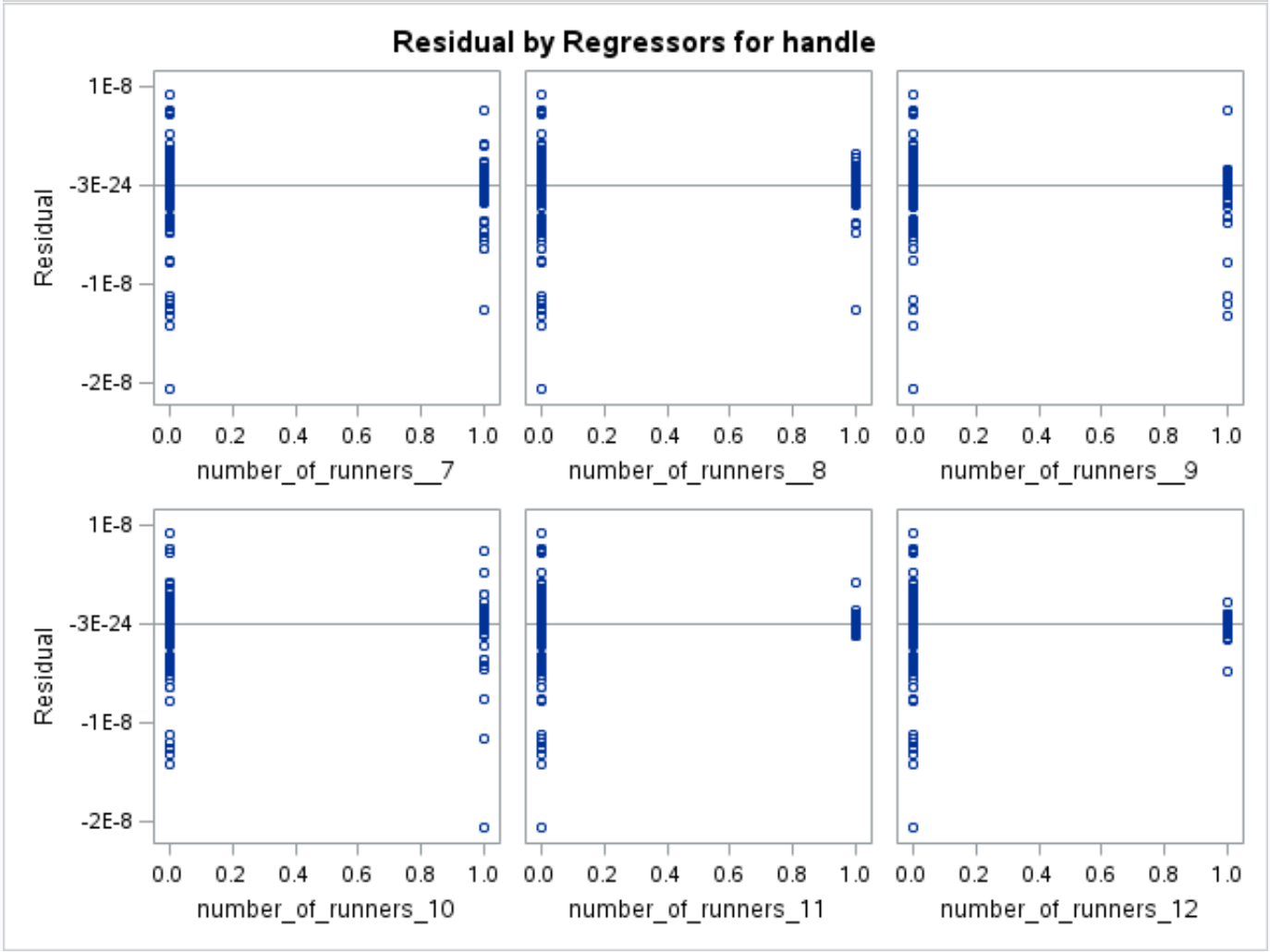
0.2
0.4
0.6
0.8
1.0
grade_2
grade_3
number_of_runners__3
number_of_runners__4
number_of_runners__5
number_of_runners__6


Residual by Regressors for handle
Residual
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-1E-8
-2E-8
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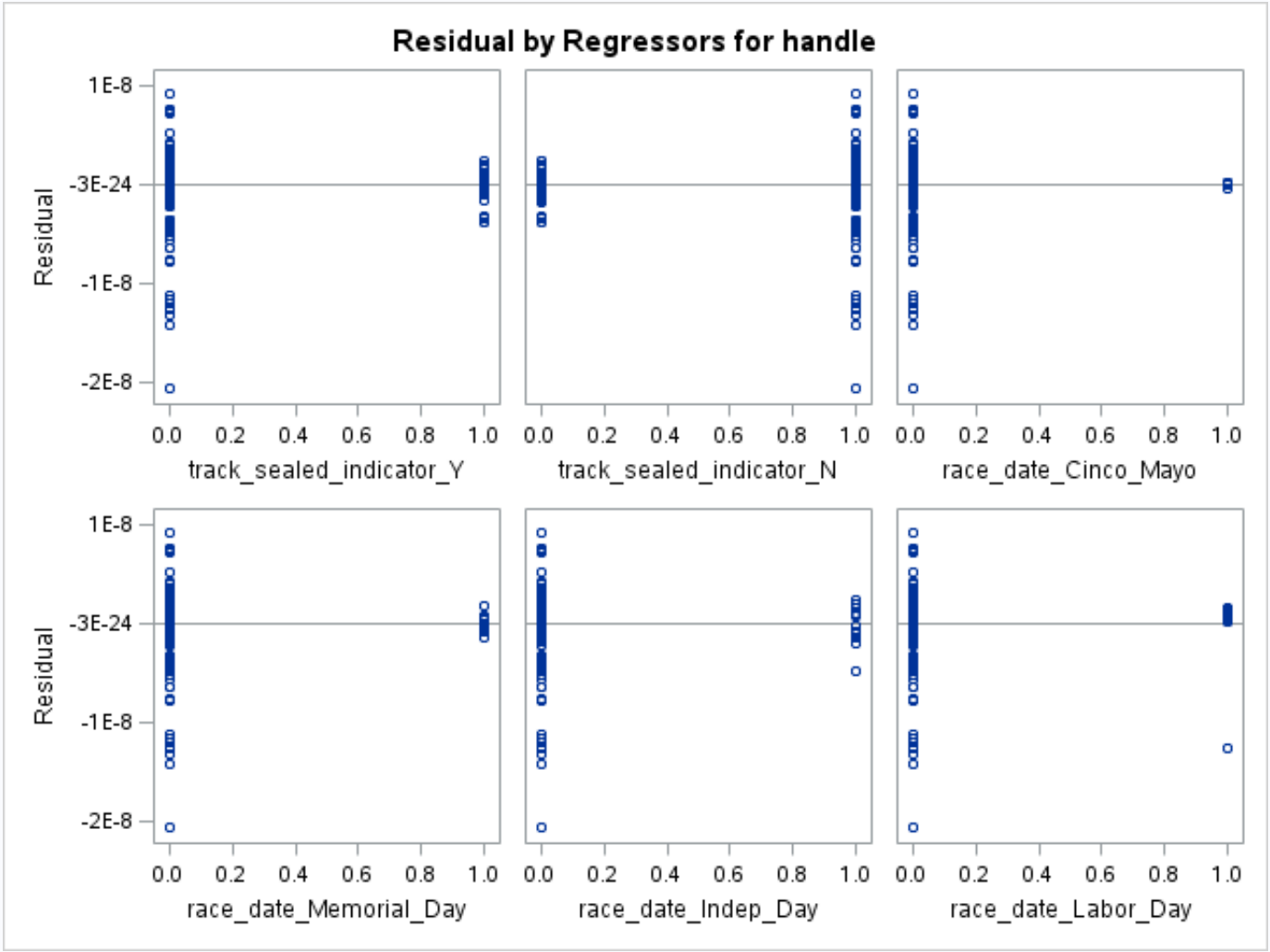
0.2
0.4
0.6
0.8
1.0
number_of_runners__7
number_of_runners__8
number_of_runners__9
number_of_runners_10
number_of_runners_11
number_of_runners_12


Residual by Regressors for handle
Residual
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-2E-8
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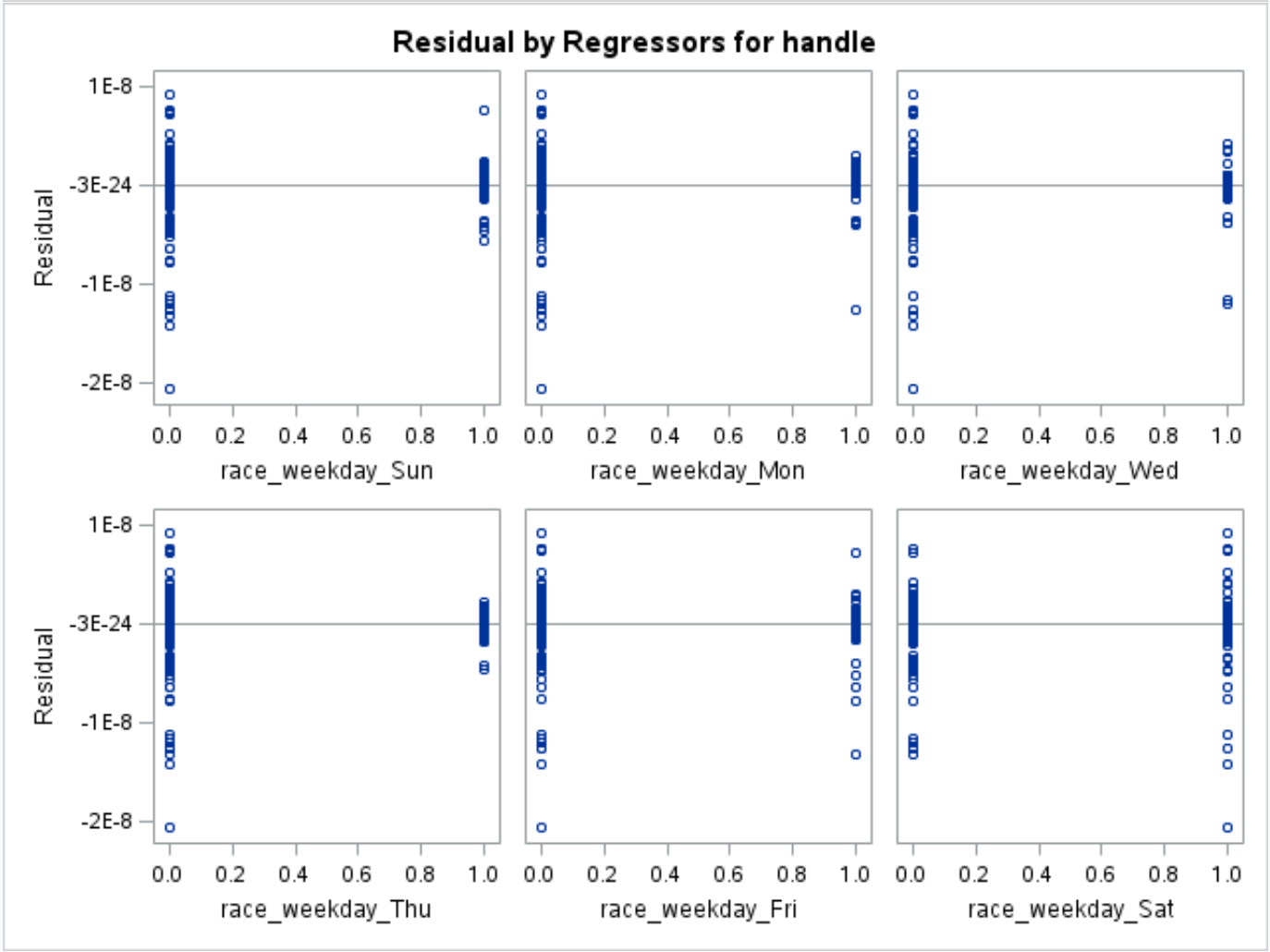
0.2
0.4
0.6
0.8
1.0
track_sealed_indicator_Y
track_sealed_indicator_N
race_date_Cinco_Mayo
race_date_Memorial_Day
race_date_Indep_Day
race_date_Labor_Day


Residual by Regressors for handle
Residual
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-3E-24
-1E-8
-2E-8
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0.2
0.4
0.6
0.8
1.0
race_weekday_Sun
race_weekday_Mon
race_weekday_Wed
race_weekday_Thu
race_weekday_Fri
race_weekday_Sat