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	129	1.350999E14	1.047286E12	79.17	<.0001
Error	4255	5.628646E13	13228309139		
Corrected Total	4384	1.913864E14			

Root MSE	115014	R-Square	0.7059
Dependent Mean	346952	Adj R-Sq	0.6970
Coeff Var	33.14991		

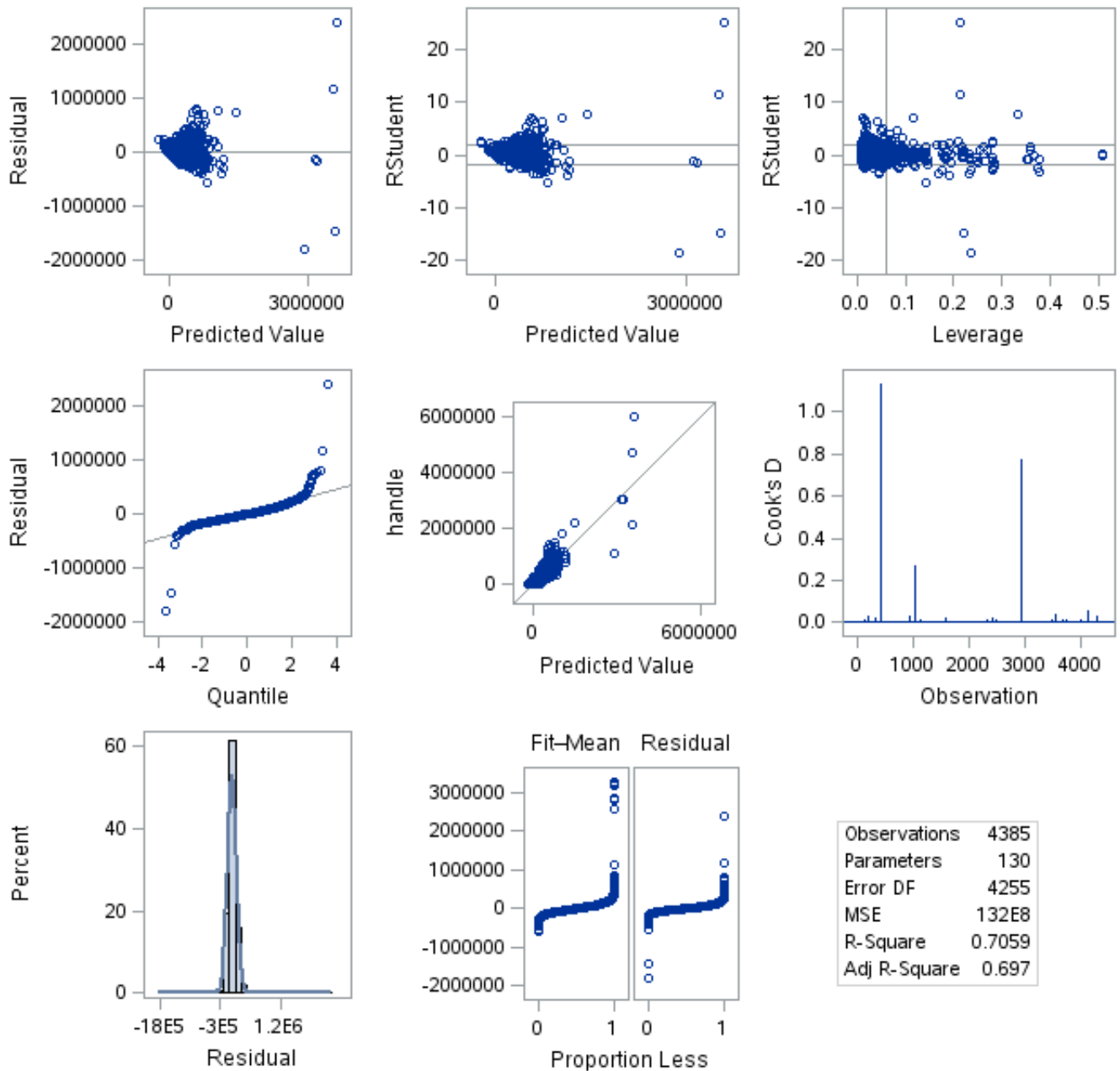| Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	790009	168497	4.69	<.0001
track_id_AP	1	50809	9688.15546	5.24	<.0001
track_id_CRC	1	-99080	9675.87148	-10.24	<.0001
race_number_1	1	-10624	82486	-0.13	0.8975
race_number_2	1	51197	82480	0.62	0.5348
race_number_3	1	55299	82455	0.67	0.5025
race_number_4	1	61523	82503	0.75	0.4559
race_number_5	1	80179	82483	0.97	0.3311
race_number_6	1	87291	82444	1.06	0.2898
race_number_7	1	87320	82501	1.06	0.2899
race_number_8	1	68312	82532	0.83	0.4079
race_number_9	1	116604	82477	1.41	0.1575
race_number_10	1	112913	82555	1.37	0.1715
race_number_11	1	111644	82899	1.35	0.1781
race_number_12	1	117378	83450	1.41	0.1596
race_number_13	1	69471	84510	0.82	0.4111
conditions_of_race_NW2_L	1	-1812.00168	7657.25566	-0.24	0.8129
conditions_of_race_NW1_X	1	8831.91783	12479	0.71	0.4791
conditions_of_race_NW2_X	1	-5201.65966	13875	-0.37	0.7078
conditions_of_race_NW3_L	1	-834.99497	10176	-0.08	0.9346
conditions_of_race_C	1	8905.74622	10754	0.83	0.4077
conditions_of_race_NW3_X	1	-8605.72681	17757	-0.48	0.6279
conditions_of_race_OTHER	1	24247	22262	1.09	0.2762
race_type_CLM	1	-53752	55736	-0.96	0.3349
race_type_MCL	1	-50768	56272	-0.90	0.3670
race_type_MSW	1	22866	43162	0.53	0.5963
race_type_AOC	1	-57839	56916	-1.02	0.3096
race_type_ALW	1	2745.31481	43702	0.06	0.9499
race_type_STK	1	235371	57152	4.12	<.0001
race_type_STR	1	-8810.48530	44311	-0.20	0.8424
race_type_CAN	1	-870726	106935	-8.14	<.0001
age_restriction_3U	1	-66379	58726	-1.13	0.2584

age_restriction_02	1	-59988	58384	-1.03	0.3043
age_restriction_34	1	-79578	58404	-1.36	0.1731
age_restriction_03	1	-61884	58565	-1.06	0.2907
age_restriction_35	1	-67572	60873	-1.11	0.2670
age_restriction_45	1	-80151	62981	-1.27	0.2032
age_restriction_4U	1	-39941	59645	-0.67	0.5031
sex_restriction_B	1	-13955	4896.23259	-2.85	0.0044
sex_restriction_F	1	-11113	5378.46418	-2.07	0.0389
stakes_indicator_N	1	-56240	101002	-0.56	0.5777
distance_id_600	1	283199	46955	6.03	<.0001
distance_id_800	1	276433	46918	5.89	<.0001
distance_id_850	1	274363	46943	5.84	<.0001
distance_id_550	1	286146	47229	6.06	<.0001
distance_id_700	1	280703	47317	5.93	<.0001
distance_id_500	1	277974	47285	5.88	<.0001
distance_id_650	1	291322	47366	6.15	<.0001
distance_id_900	1	270524	47200	5.73	<.0001
distance_id_832	1	284458	48470	5.87	<.0001
distance_id_450	1	250672	49111	5.10	<.0001
distance_id_750	1	263941	49554	5.33	<.0001
distance_id_818	1	274562	50826	5.40	<.0001
distance_id_1200	1	296255	55468	5.34	<.0001
distance_id_1000	1	618156	61158	10.11	<.0001
distance_id_200	1	110287	71175	1.55	0.1213
distance_id_950	1	280174	59852	4.68	<.0001
about_distance_indicator_A	1	-16509	9735.65505	-1.70	0.0900
course_type_T	1	81078	14434	5.62	<.0001
purse_usa_25K	1	-93176	23215	-4.01	<.0001
purse_usa_30K	1	-99606	23047	-4.32	<.0001
purse_usa_40K	1	-105294	22189	-4.75	<.0001
purse_usa_100K	1	-68911	20293	-3.40	0.0007
track_condition_FT	1	60782	74945	0.81	0.4174
track_condition_FM	1	28804	76200	0.38	0.7054
track_condition_SY	1	38102	75498	0.50	0.6138
track_condition_GD	1	39219	75568	0.52	0.6038
track_condition_YL	1	114728	77621	1.48	0.1395
track_condition_MY	1	41072	79386	0.52	0.6049
track_condition_SF	1	65484	80263	0.82	0.4146
track_condition_WF	1	40494	79538	0.51	0.6107
weather_C	1	2436.38923	22134	0.11	0.9124
weather_L	1	-5464.15237	22143	-0.25	0.8051
weather_O	1	-10256	23692	-0.43	0.6651
weather_H	1	17879	25332	0.71	0.4804
weather_R	1	-24841	29005	-0.86	0.3918
minimum_claim_price___0	1	-46395	36988	-1.25	0.2098
minimum_claim_price_10K	1	-18924	12936	-1.46	0.1436
minimum_claim_price_16K	1	-6066.77552	13140	-0.46	0.6443
minimum_claim_price_25K	1	-2448.48357	13413	-0.18	0.8552
minimum_claim_price_12K	1	8019.86696	14850	0.54	0.5892
minimum_claim_price_40K	1	9004.70571	14780	0.61	0.5424
minimum_claim_price_20K	1	-3427.51265	13977	-0.25	0.8063

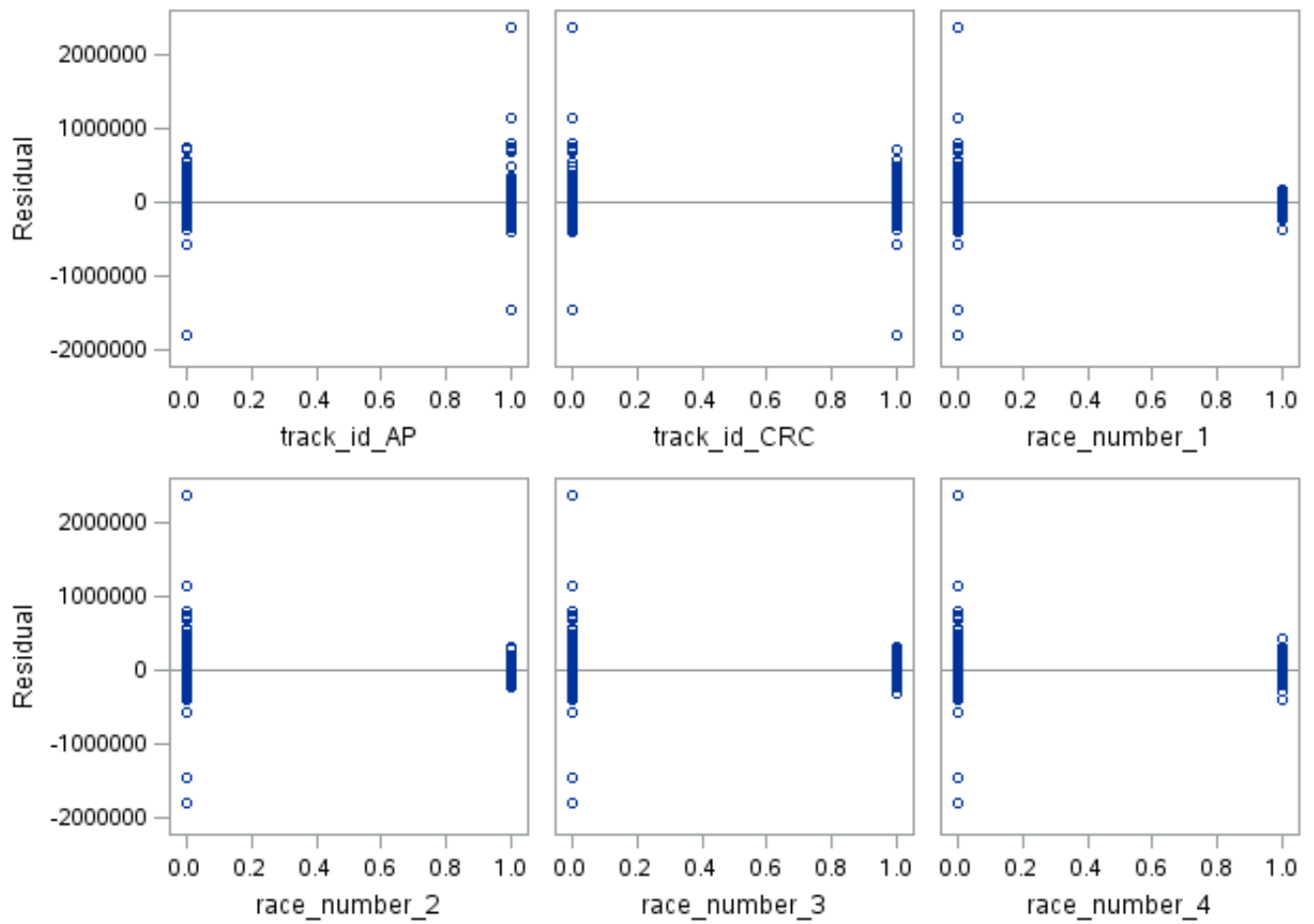|					
minimum_claim_price_50K	1	-4037.33828	16932	-0.24	0.8115
minimum_claim_price__5K	1	-36273	15652	-2.32	0.0205
minimum_claim_price_32K	1	1944.60419	17452	0.11	0.9113
minimum_claim_price_30K	1	-5165.66915	17022	-0.30	0.7616
minimum_claim_price_15K	1	-14337	18678	-0.77	0.4428
minimum_claim_price__9K	1	-22349	20034	-1.12	0.2647
minimum_claim_price__8K	1	2551.62091	21922	0.12	0.9073
minimum_claim_price_62K	1	24293	23689	1.03	0.3052
minimum_claim_price__7K	1	-19590	21382	-0.92	0.3596
minimum_claim_price__6K	1	-9102.94574	24257	-0.38	0.7075
minimum_claim_price_17K	1	-11922	25605	-0.47	0.6415
minimum_claim_price__4K	1	-56563	28710	-1.97	0.0489
minimum_claim_price_18K	1	-3522.41876	27171	-0.13	0.8969
grade_1	1	2410403	57632	41.82	<.0001
grade_2	1	351462	40613	8.65	<.0001
grade_3	1	154778	23012	6.73	<.0001
number_of_runners__3	1	-868655	91383	-9.51	<.0001
number_of_runners__4	1	-756364	63596	-11.89	<.0001
number_of_runners__5	1	-685033	60915	-11.25	<.0001
number_of_runners__6	1	-630075	60599	-10.40	<.0001
number_of_runners__7	1	-595514	60575	-9.83	<.0001
number_of_runners__8	1	-569005	60585	-9.39	<.0001
number_of_runners__9	1	-532348	60674	-8.77	<.0001
number_of_runners_10	1	-509787	60692	-8.40	<.0001
number_of_runners_11	1	-486929	60983	-7.98	<.0001
number_of_runners_12	1	-473993	61087	-7.76	<.0001
abbreviated_name_RACE_HAS	1	-251292	68147	-3.69	0.0002
track_sealed_indicator_Y	1	-12016	13535	-0.89	0.3747
track_sealed_indicator_N	1	-11919	6762.55007	-1.76	0.0781
race_date_Super_Bowl	1	-82364	47833	-1.72	0.0852
race_date_Patricks_Day	1	-88219	52792	-1.67	0.0948
race_date_Good_Friday	1	1260.50696	37581	0.03	0.9732
race_date_Easter	1	-30573	37415	-0.82	0.4139
race_date_Cinco_Mayo	1	36907	33730	1.09	0.2739
race_date_Memorial_Day	1	-50616	21992	-2.30	0.0214
race_date_Indep_Day	1	-30271	20632	-1.47	0.1424
race_date_Labor_Day	1	24519	21709	1.13	0.2588
race_date_Veterans_Day	1	27007	23209	1.16	0.2446
race_date_Thanksgiving	1	-91241	24549	-3.72	0.0002
race_date_Boxing_Day	1	246697	28035	8.80	<.0001
race_date_New_Year_Day	1	86745	24634	3.52	0.0004
race_weekday_Sun	1	8527.80631	9123.71950	0.93	0.3500
race_weekday_Mon	1	29763	9439.05770	3.15	0.0016
race_weekday_Wed	1	26374	11666	2.26	0.0238
race_weekday_Thu	1	15718	9772.28541	1.61	0.1078
race_weekday_Fri	1	50803	9109.94876	5.58	<.0001
race_weekday_Sat	1	84516	9180.89007	9.21	<.0001

Linear Model using Development Dataset

The REG Procedure
Model: MODEL1
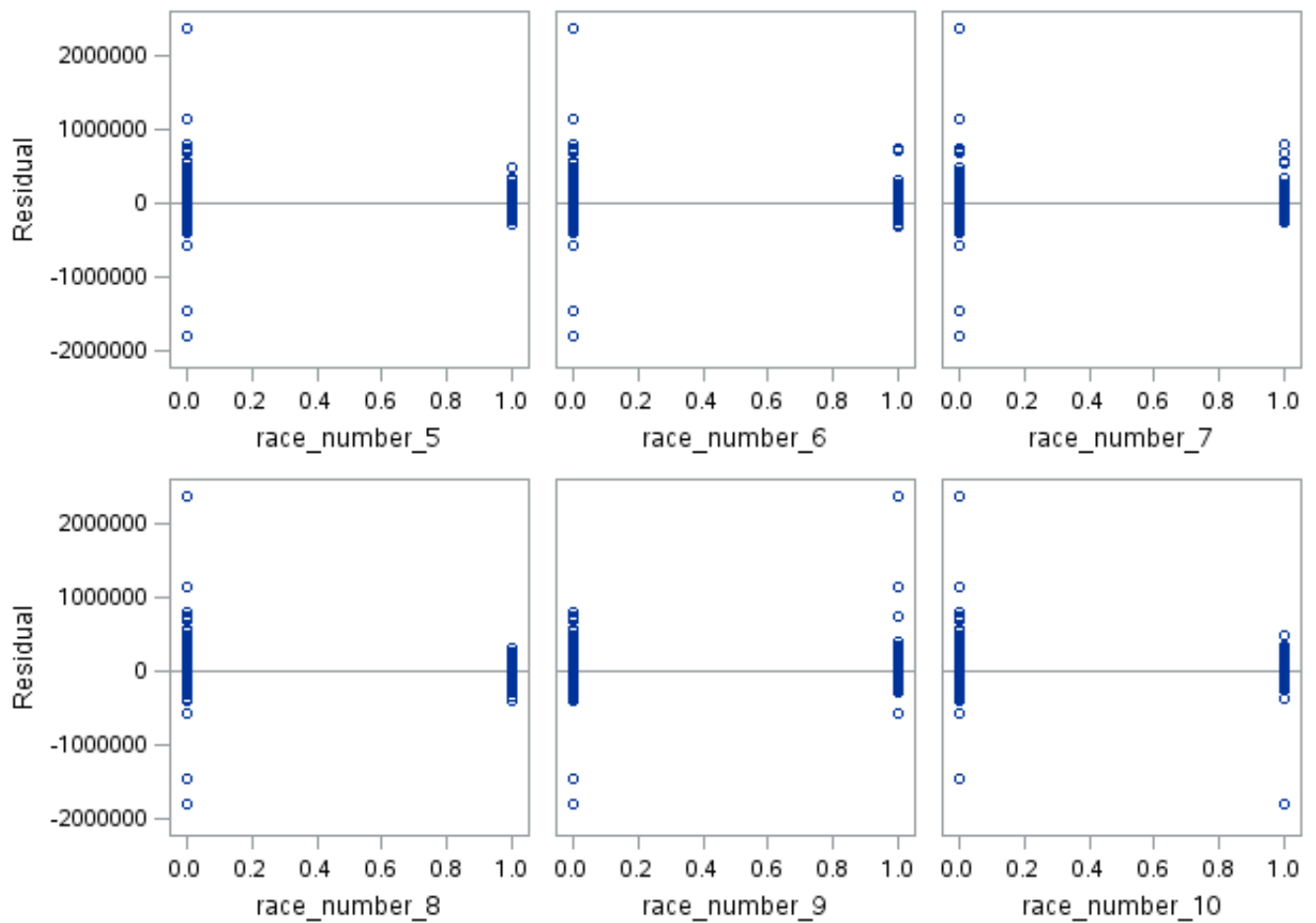**Dependent Variable: handle**

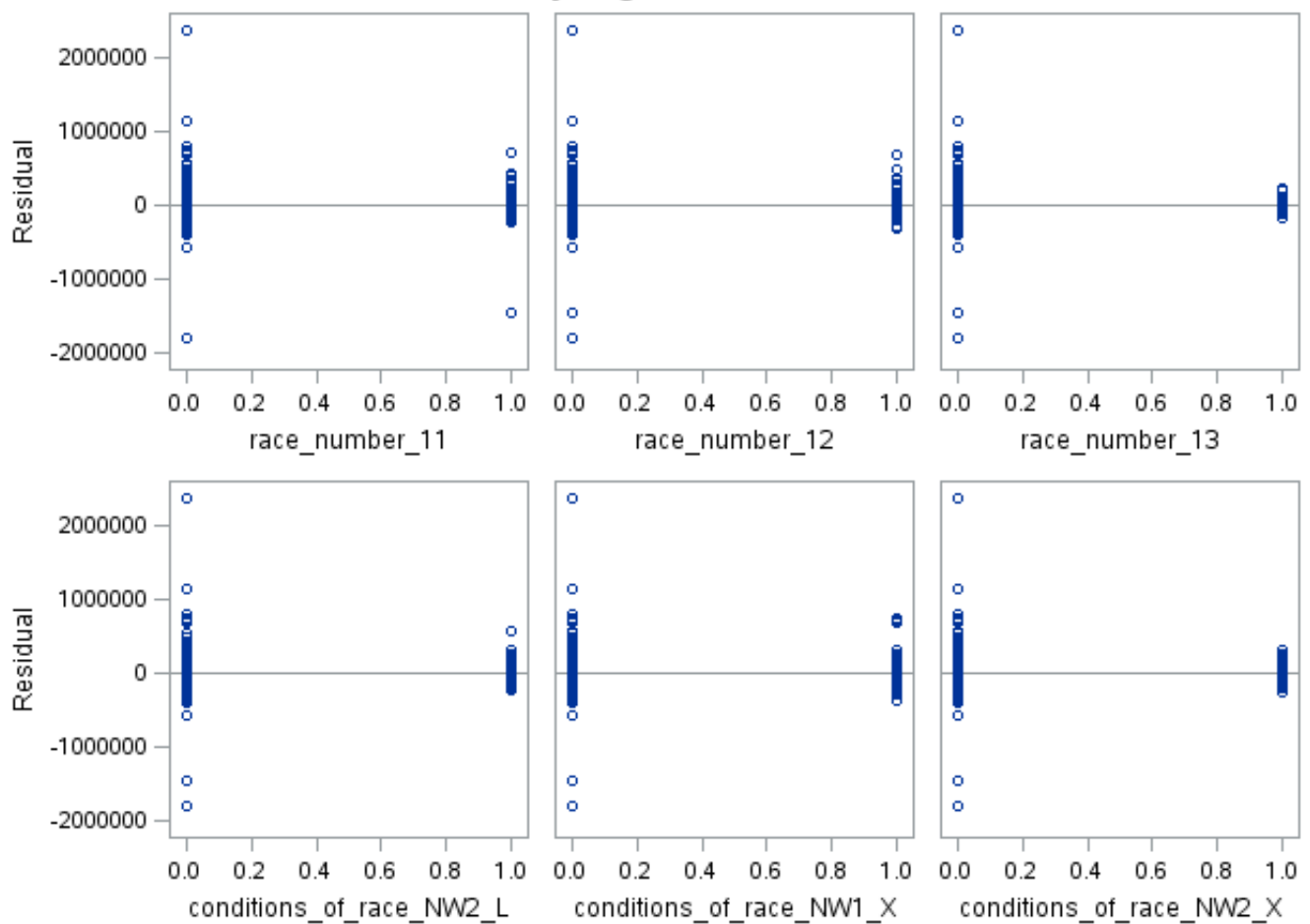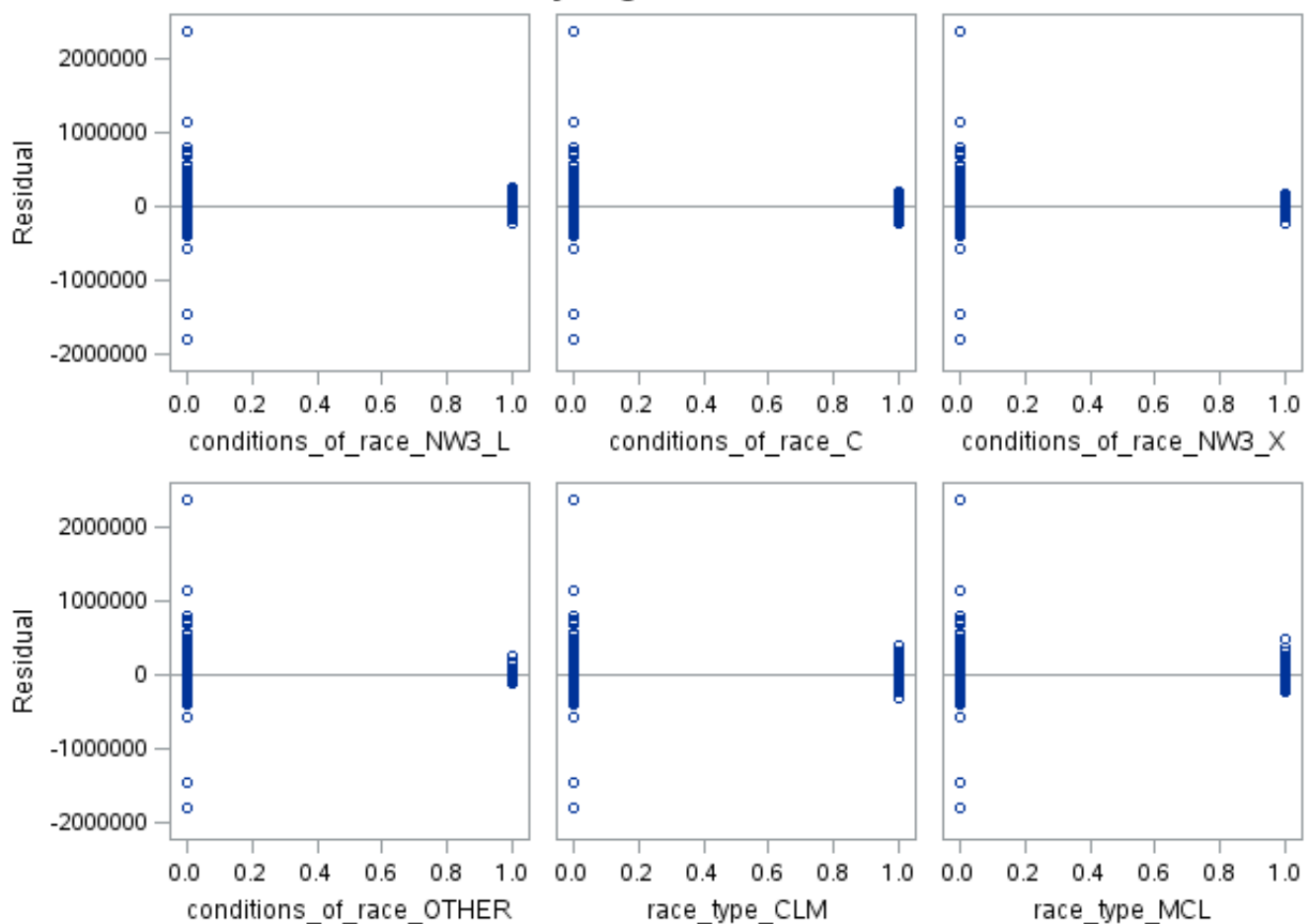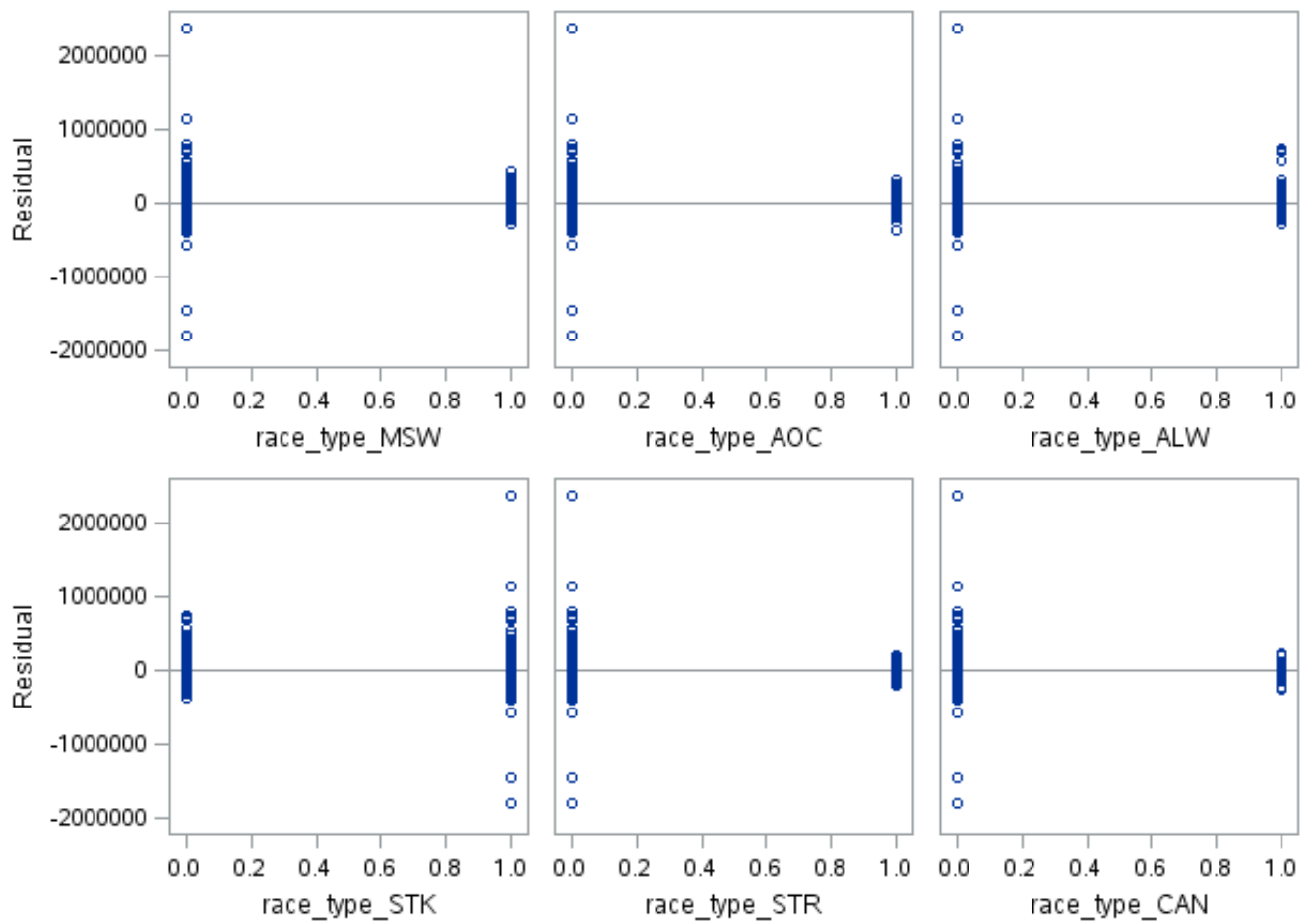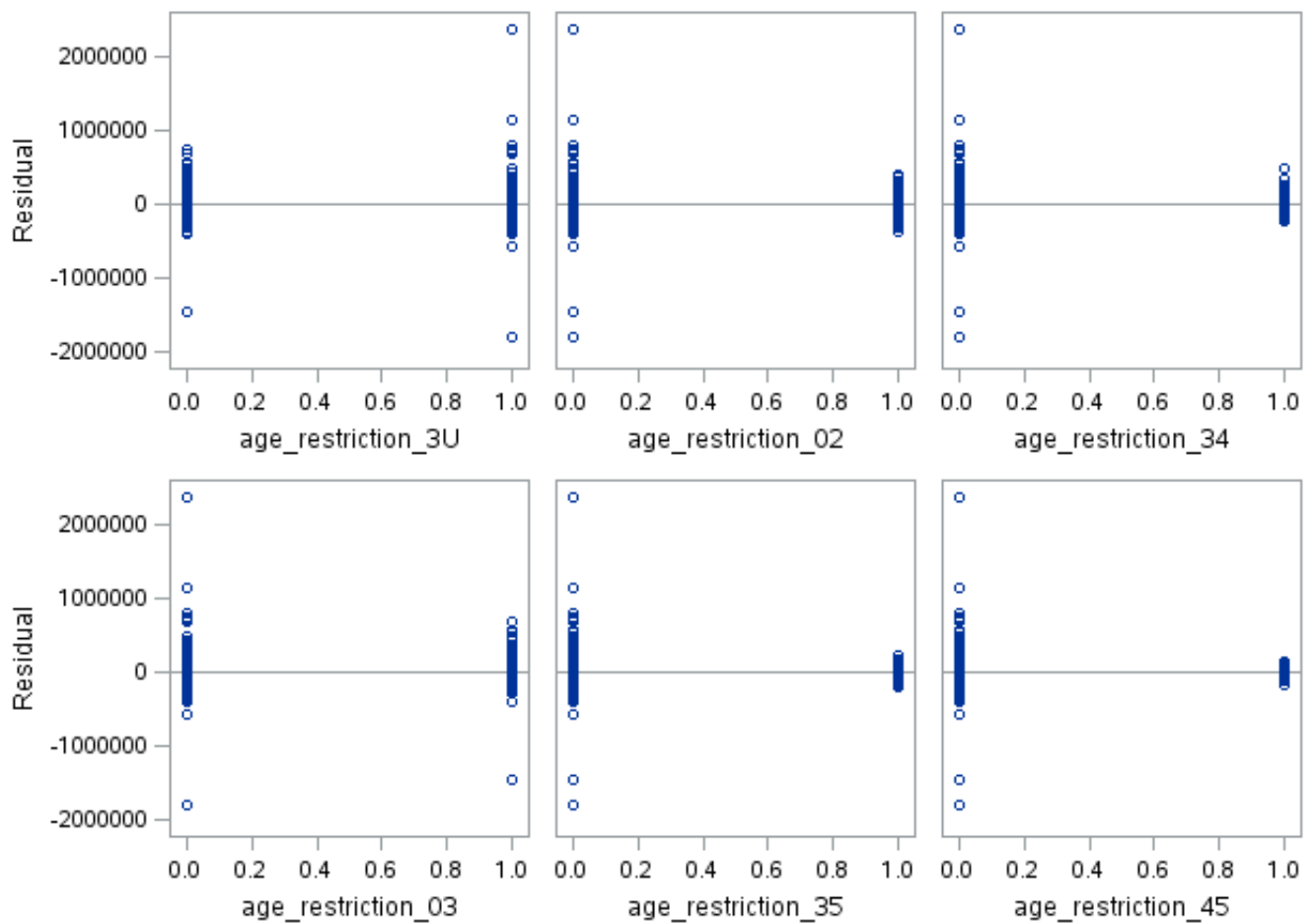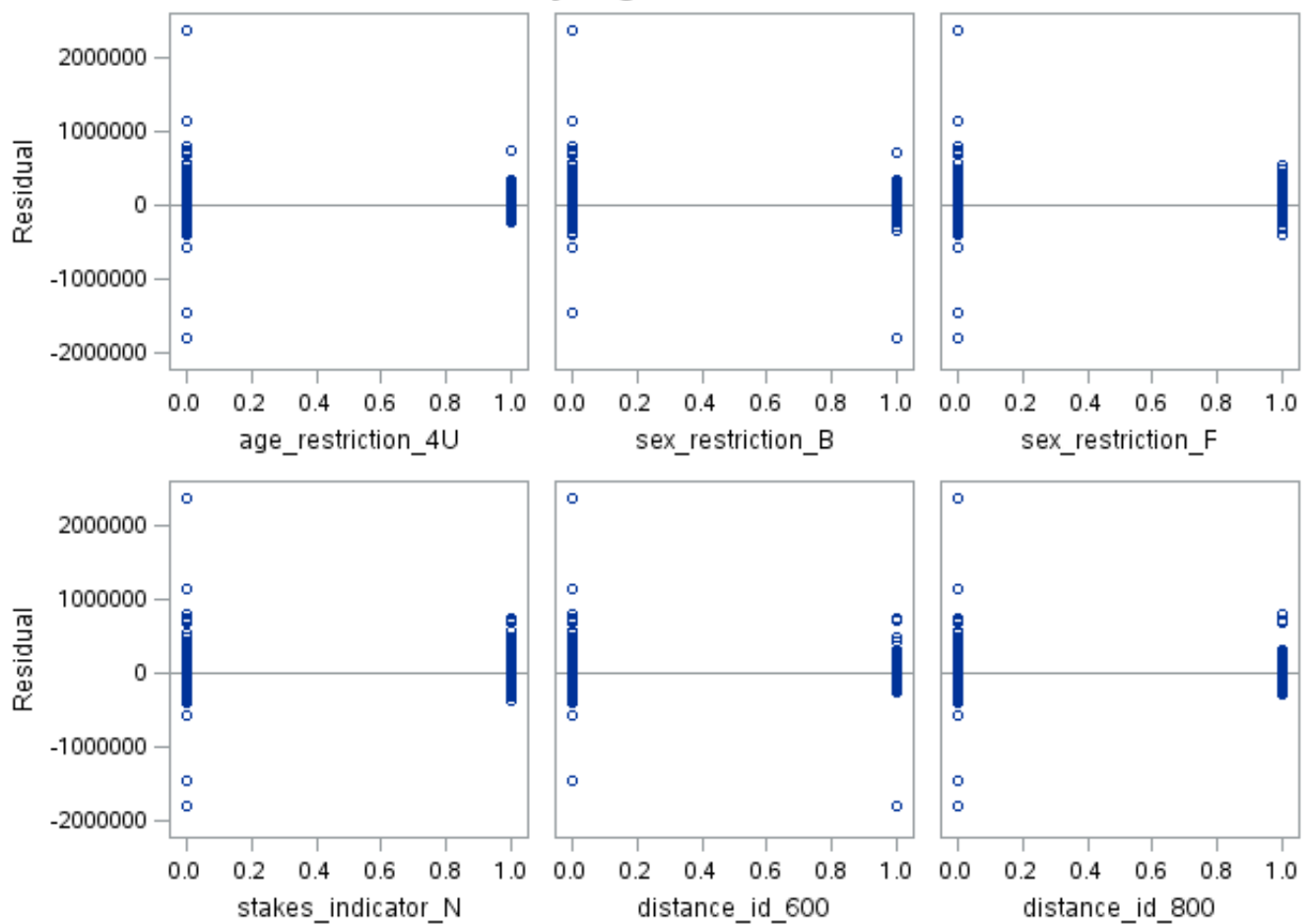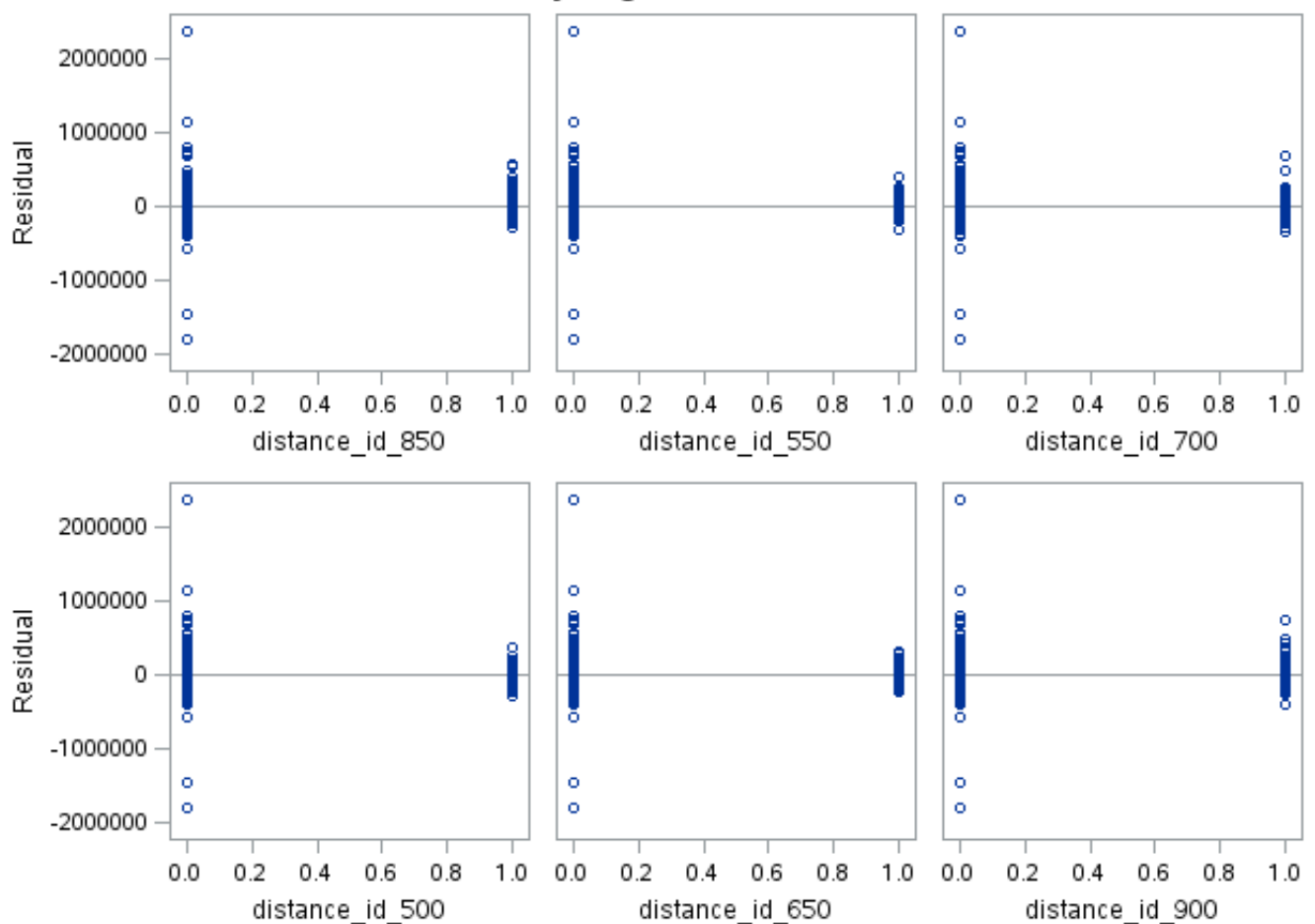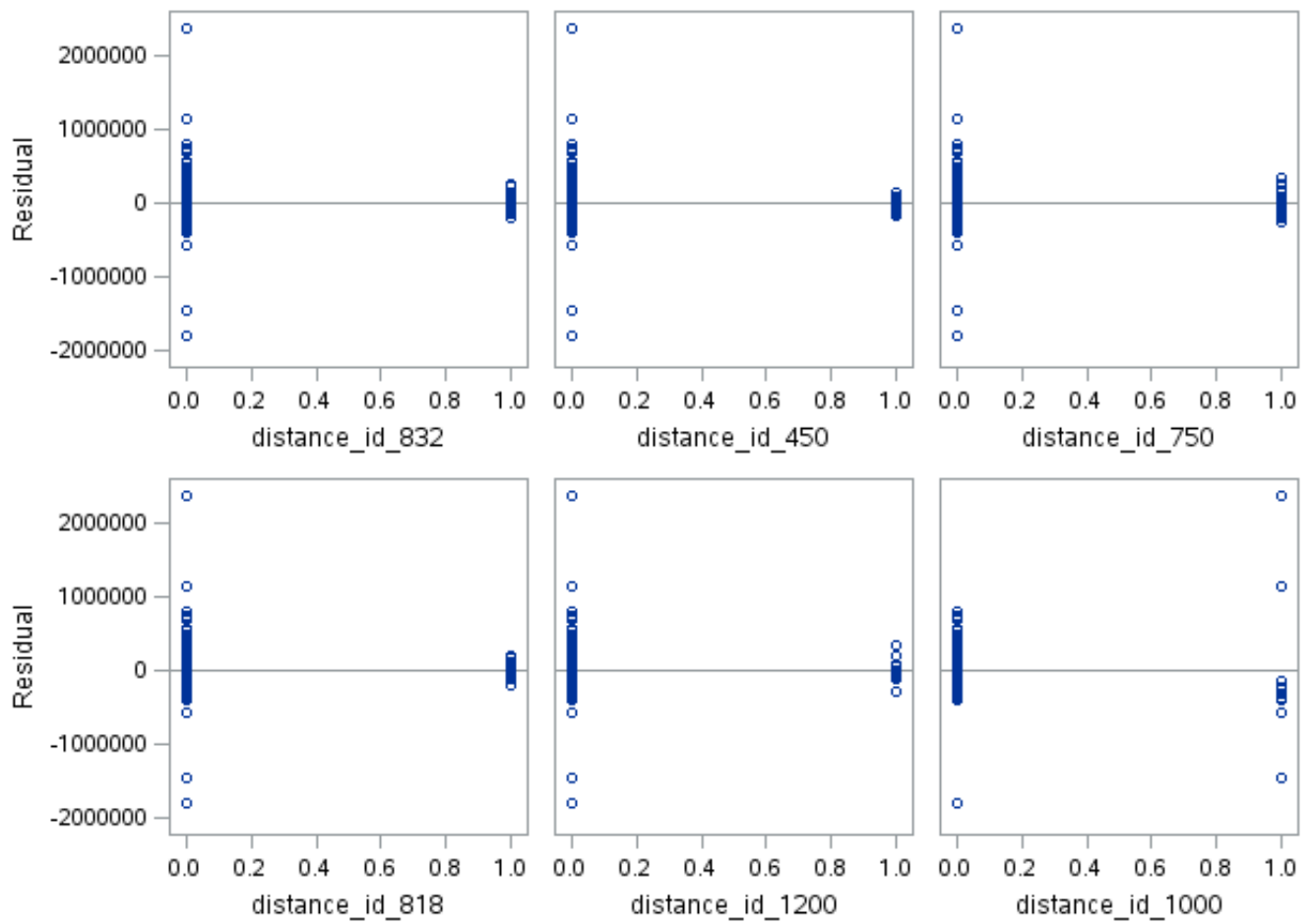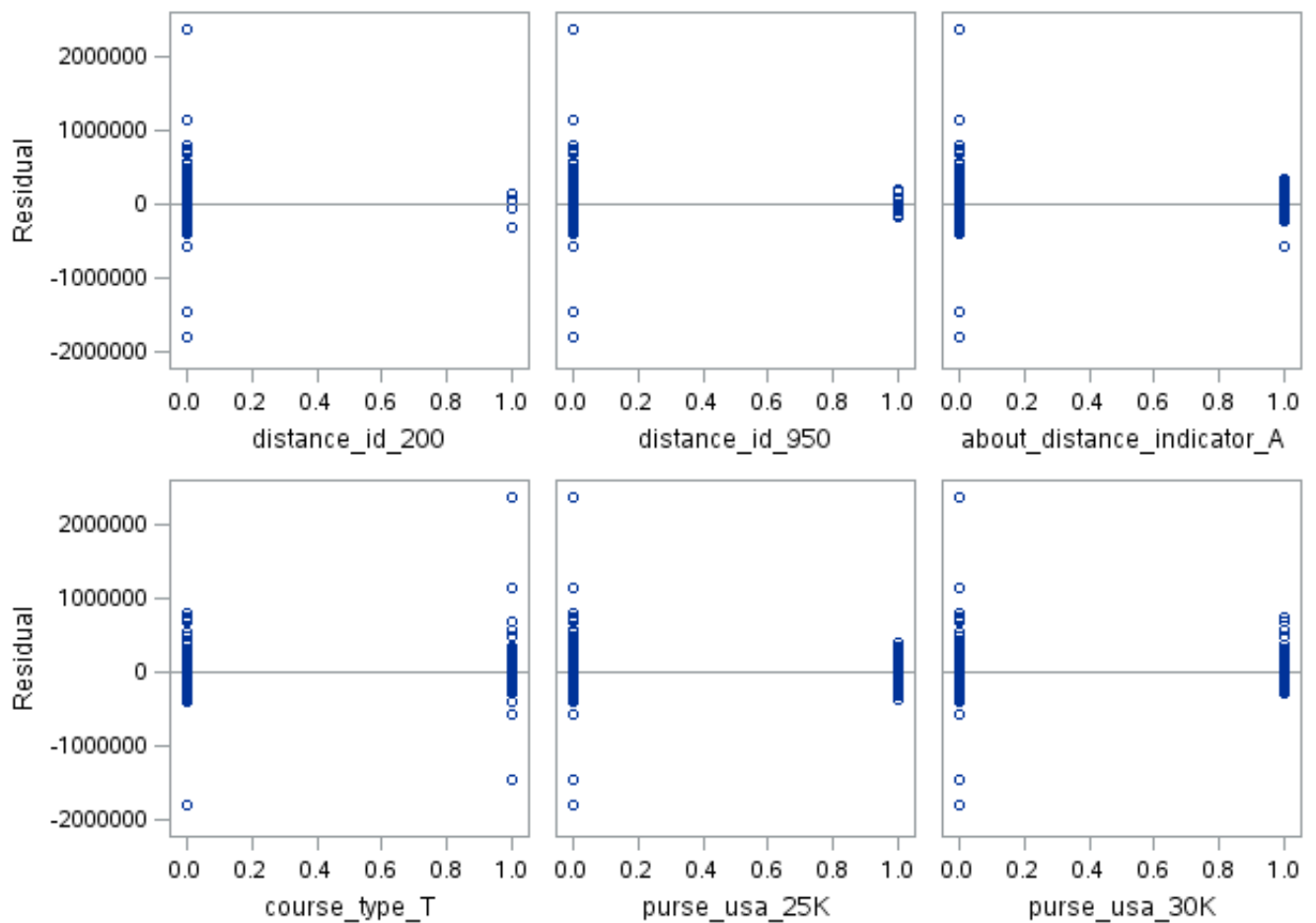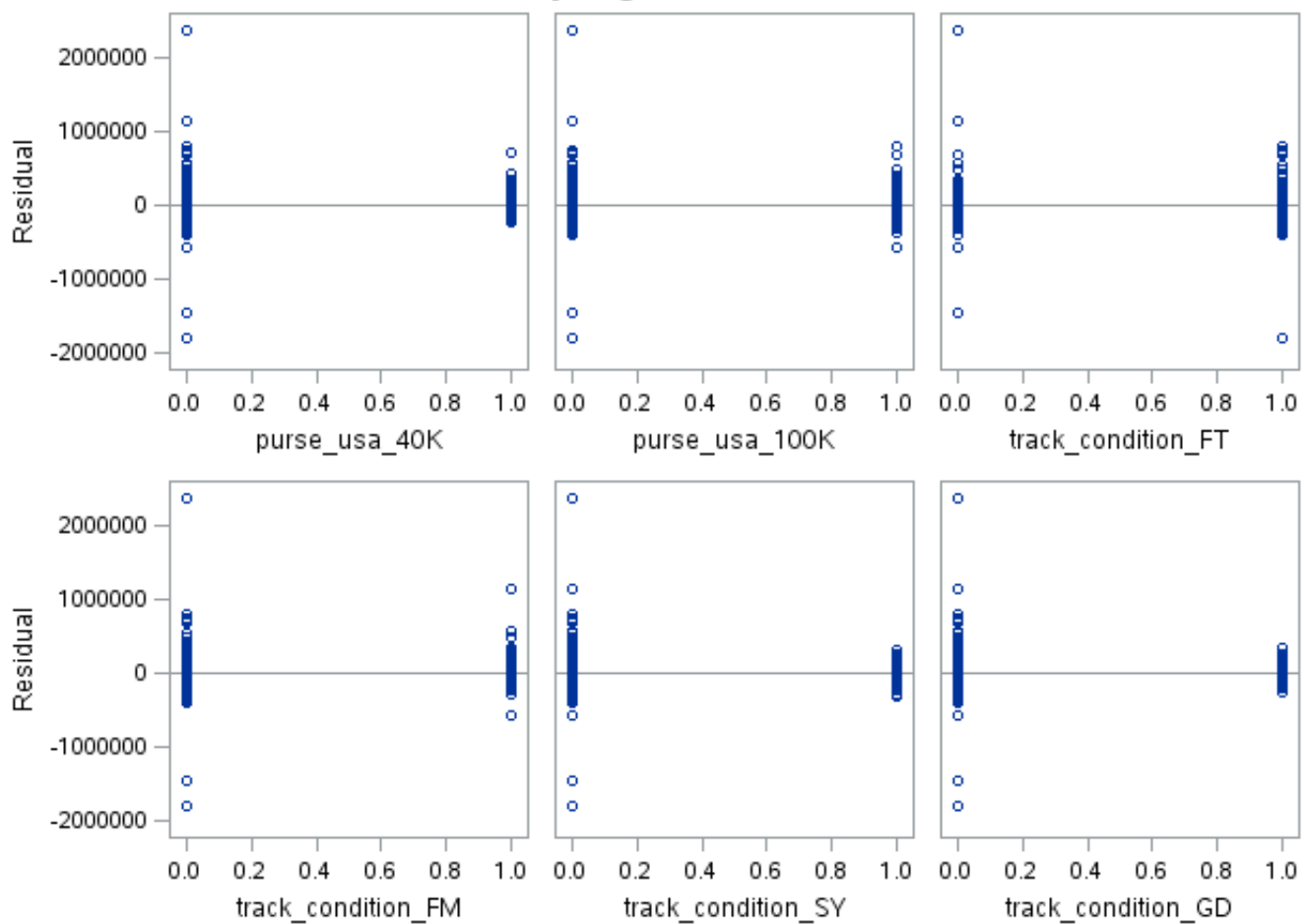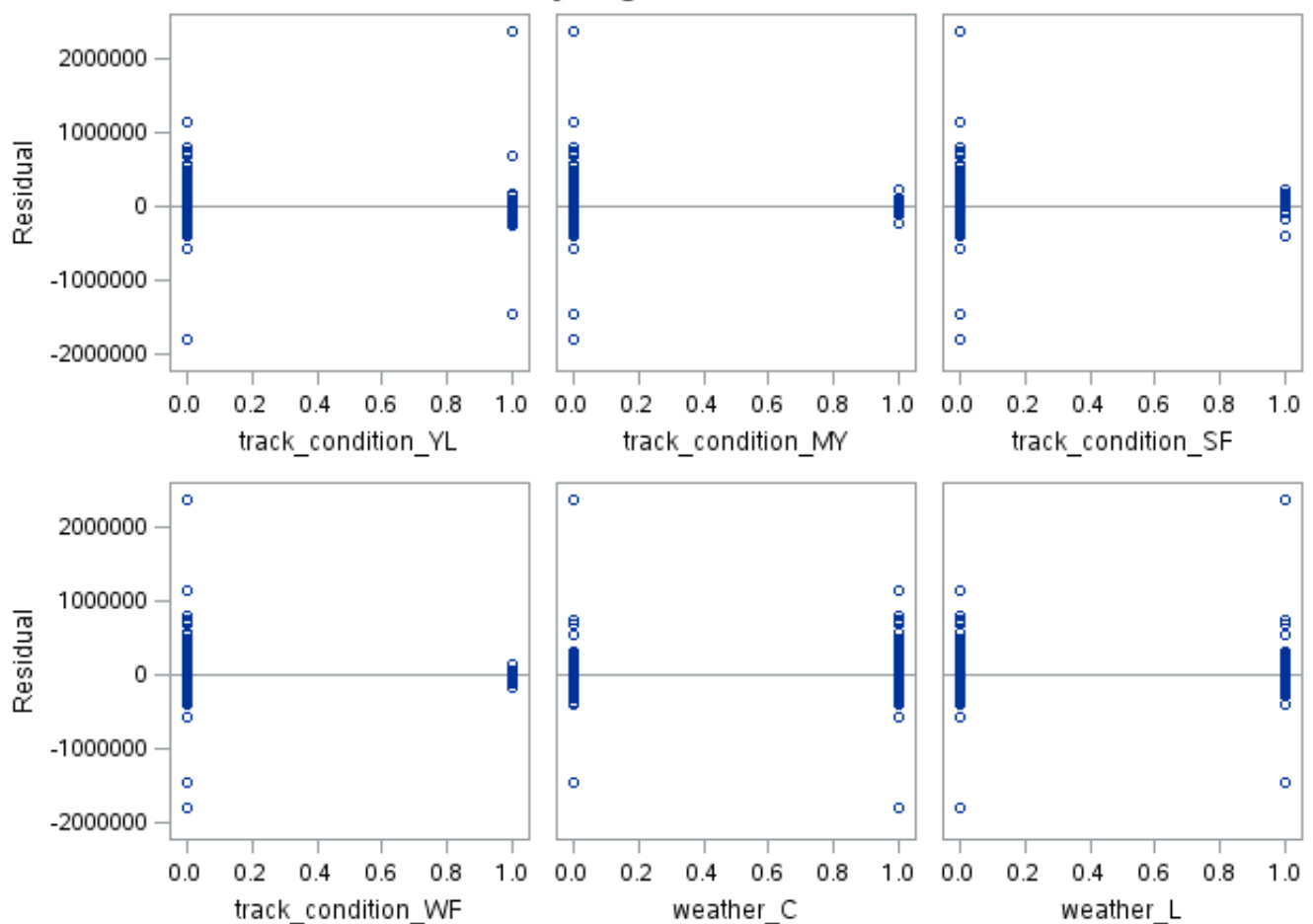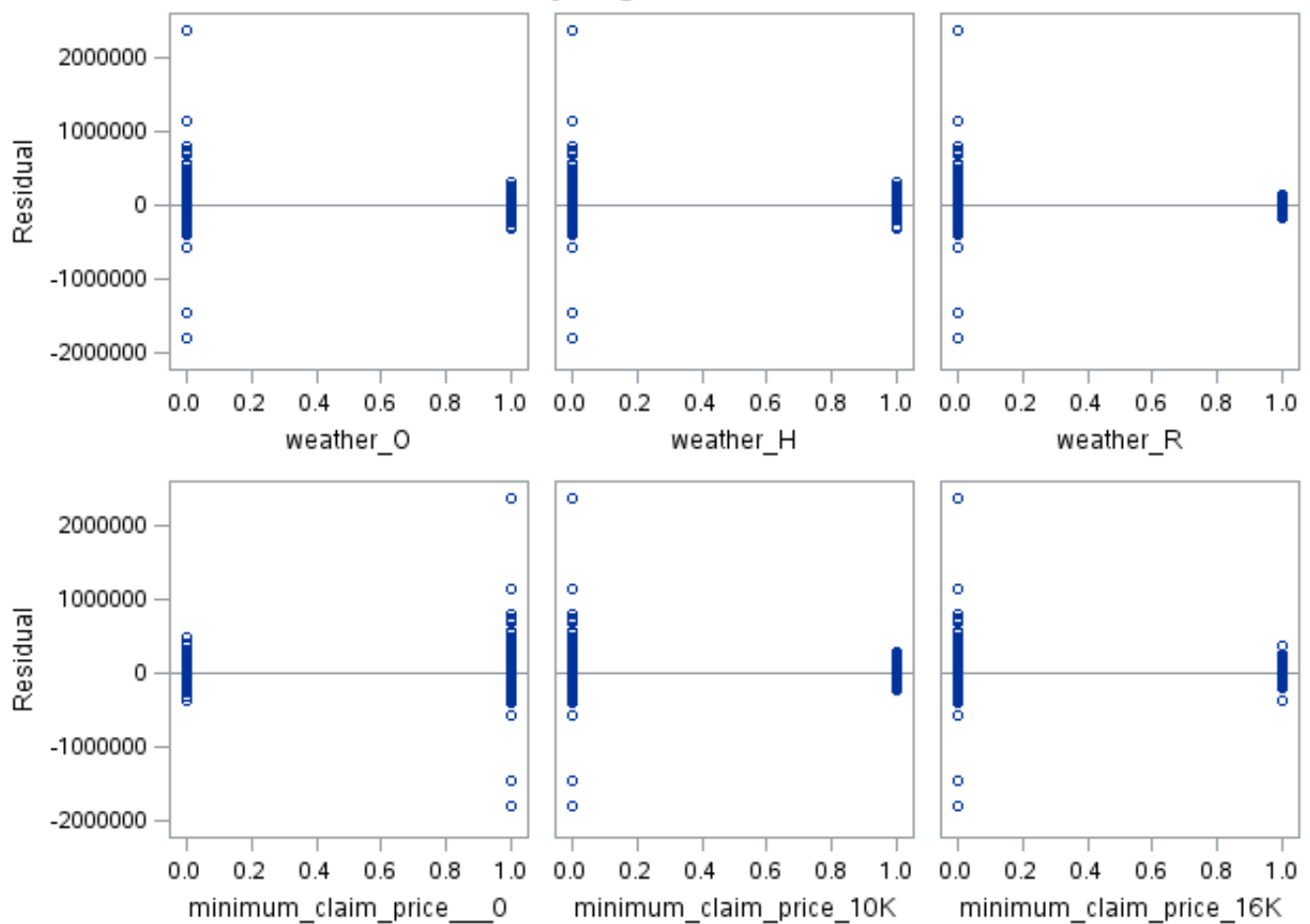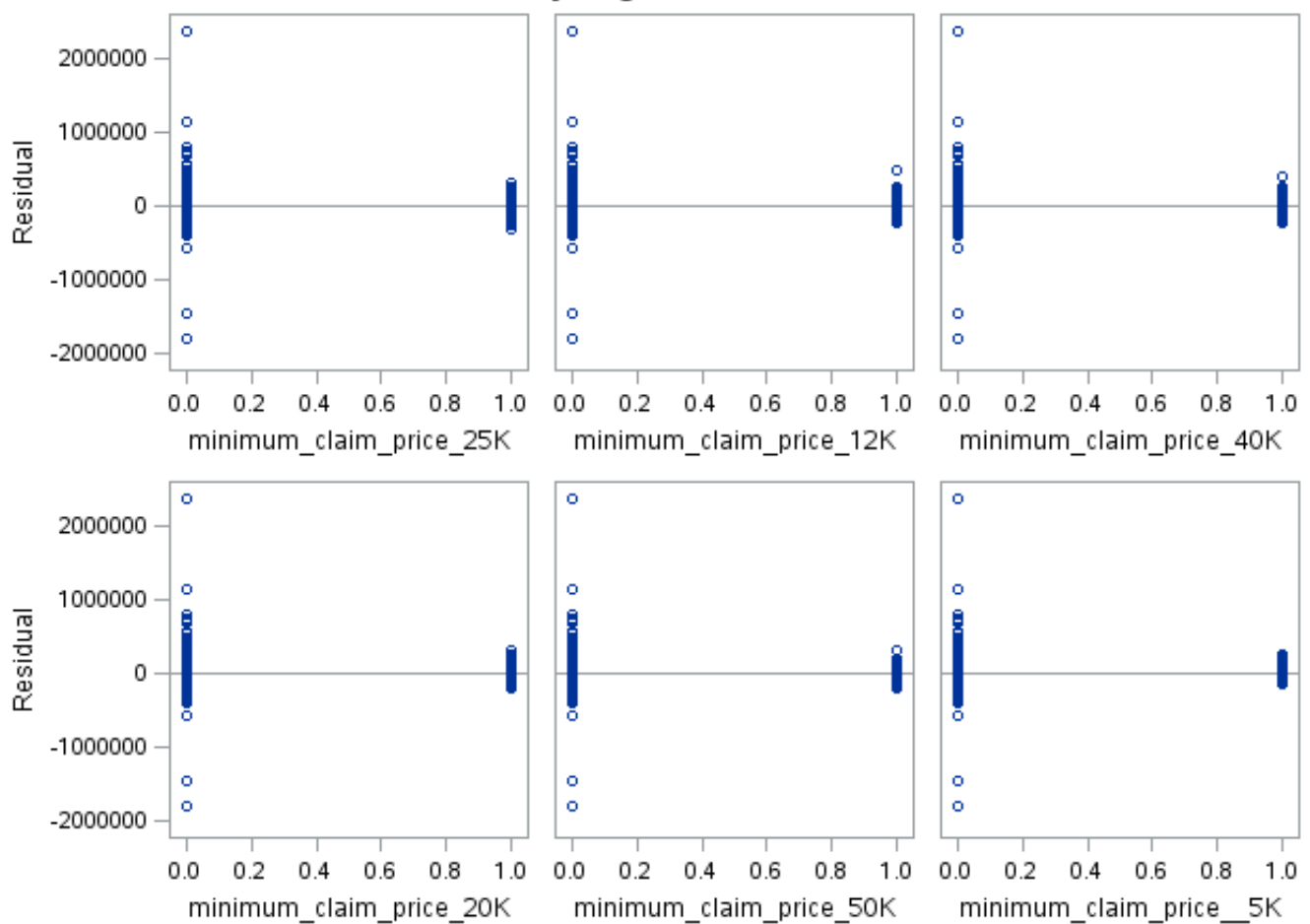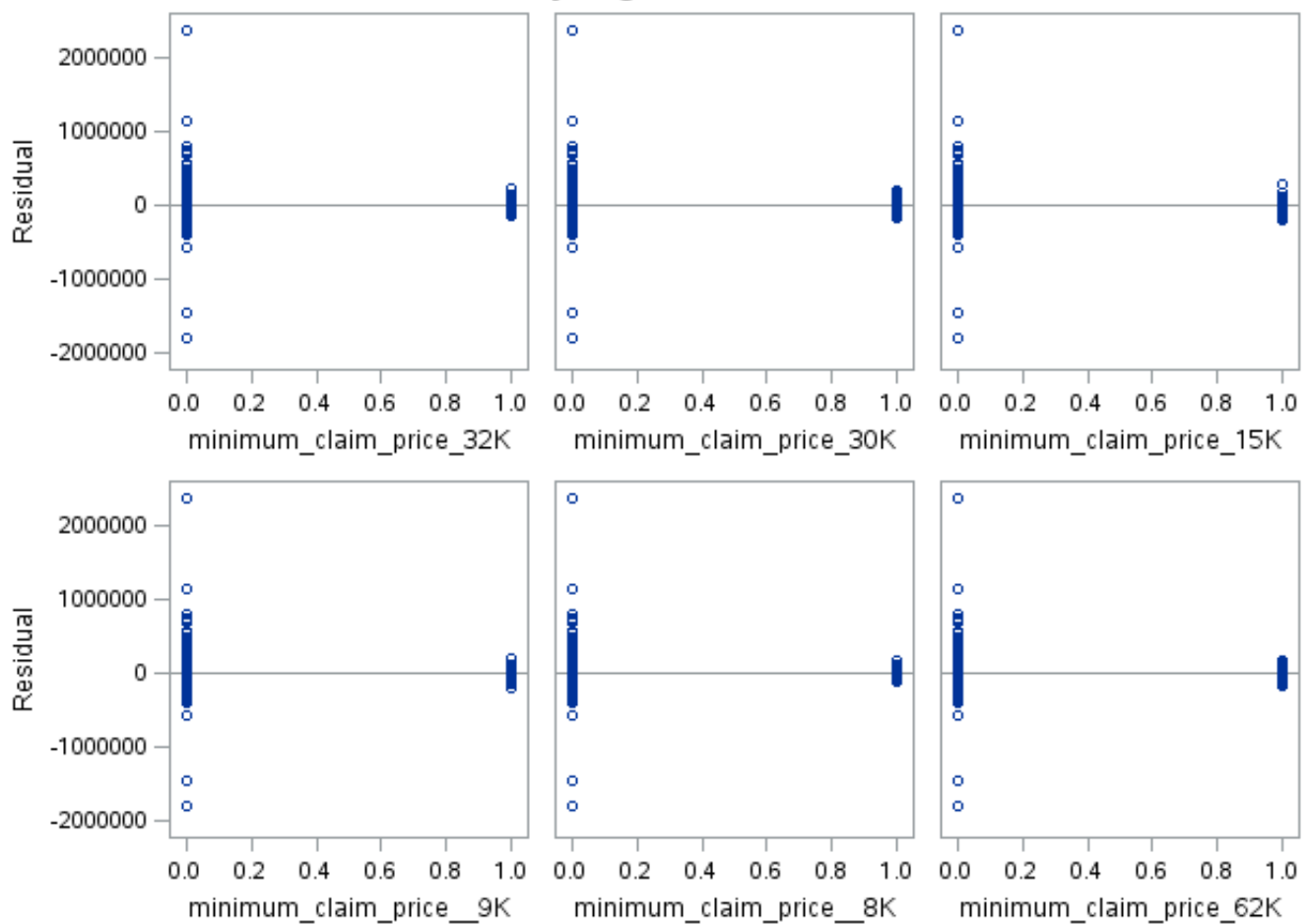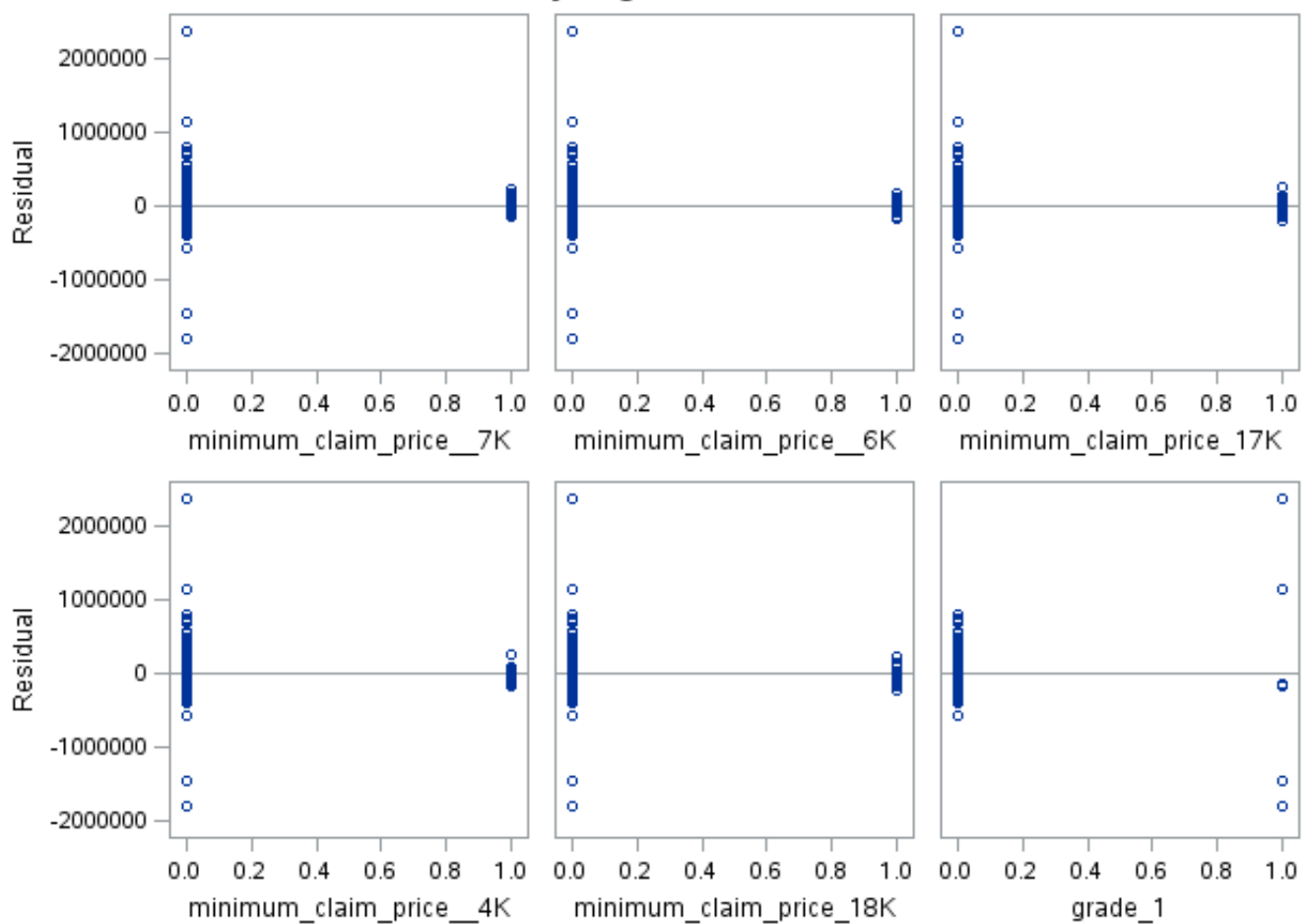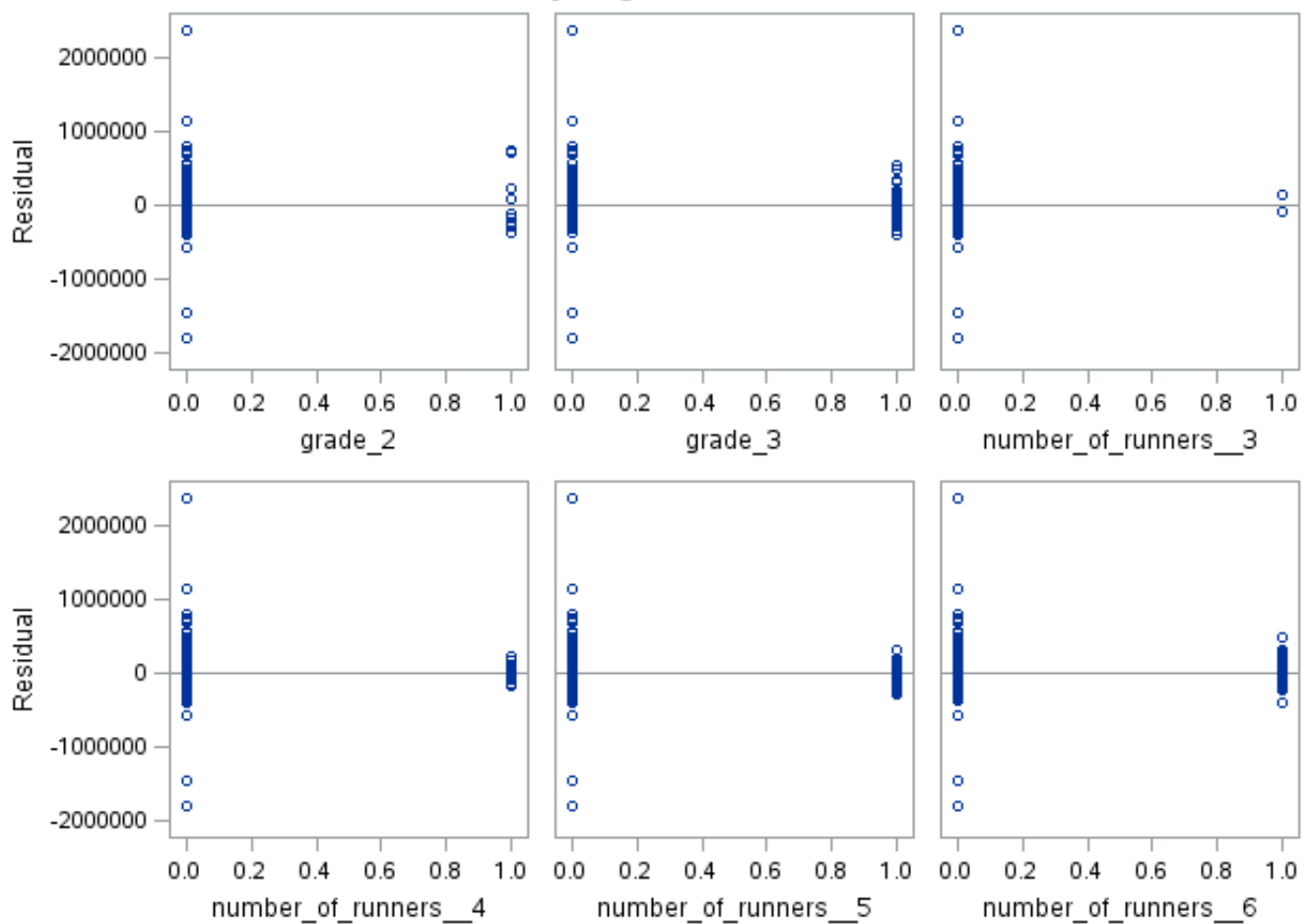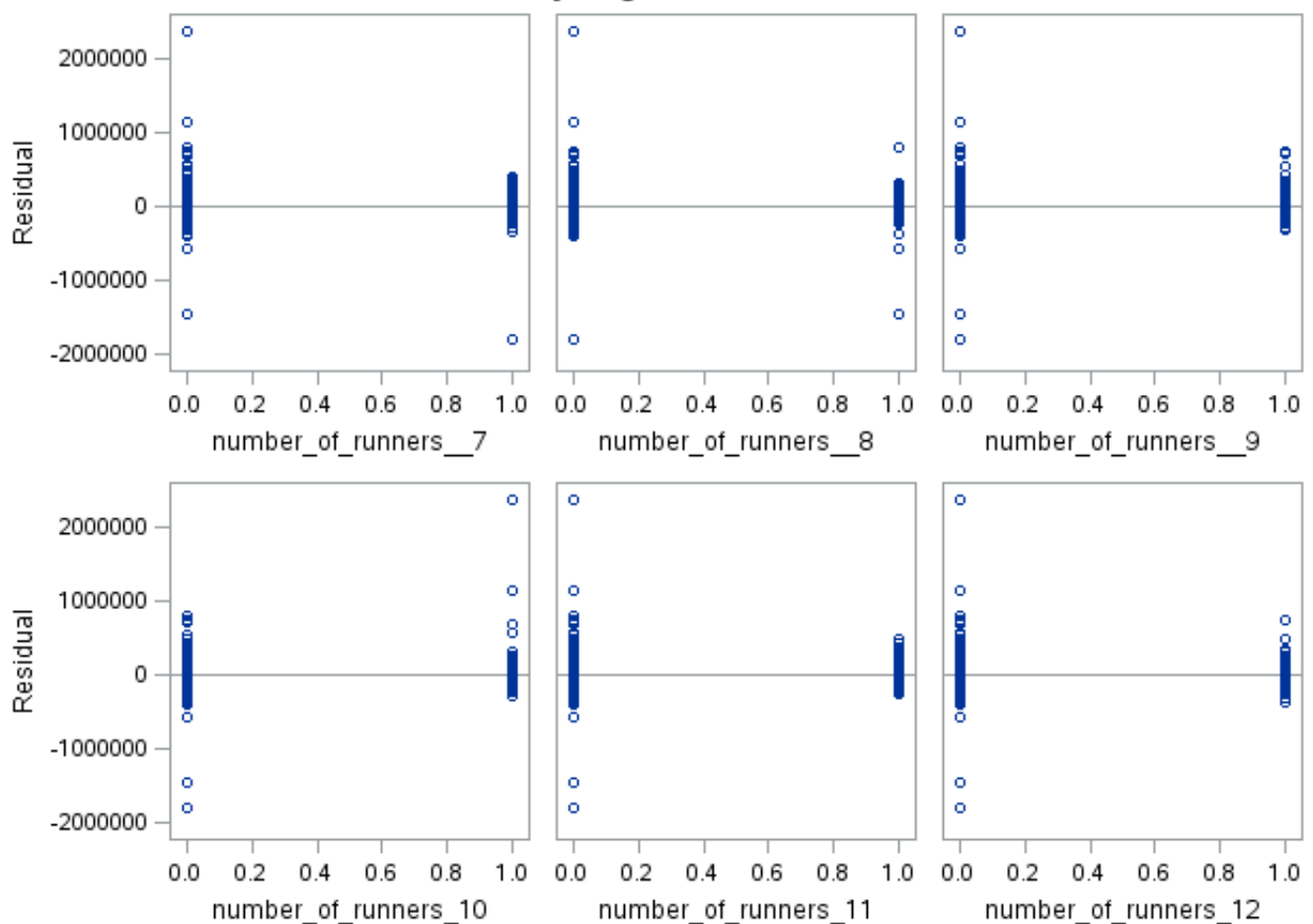# Fit Diagnostics for handle

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

Residual by Regressors for handle

Residual by Regressors for handle

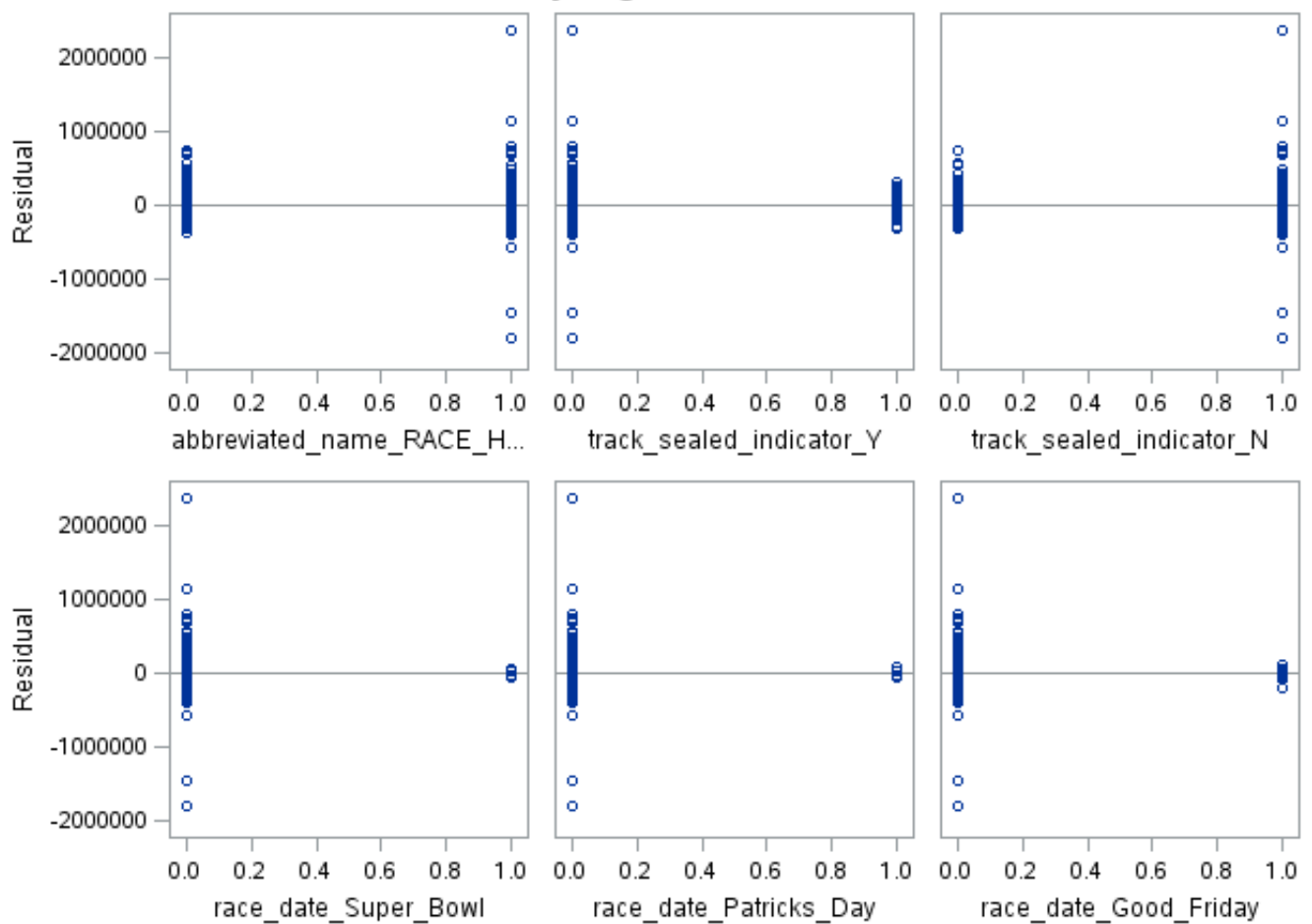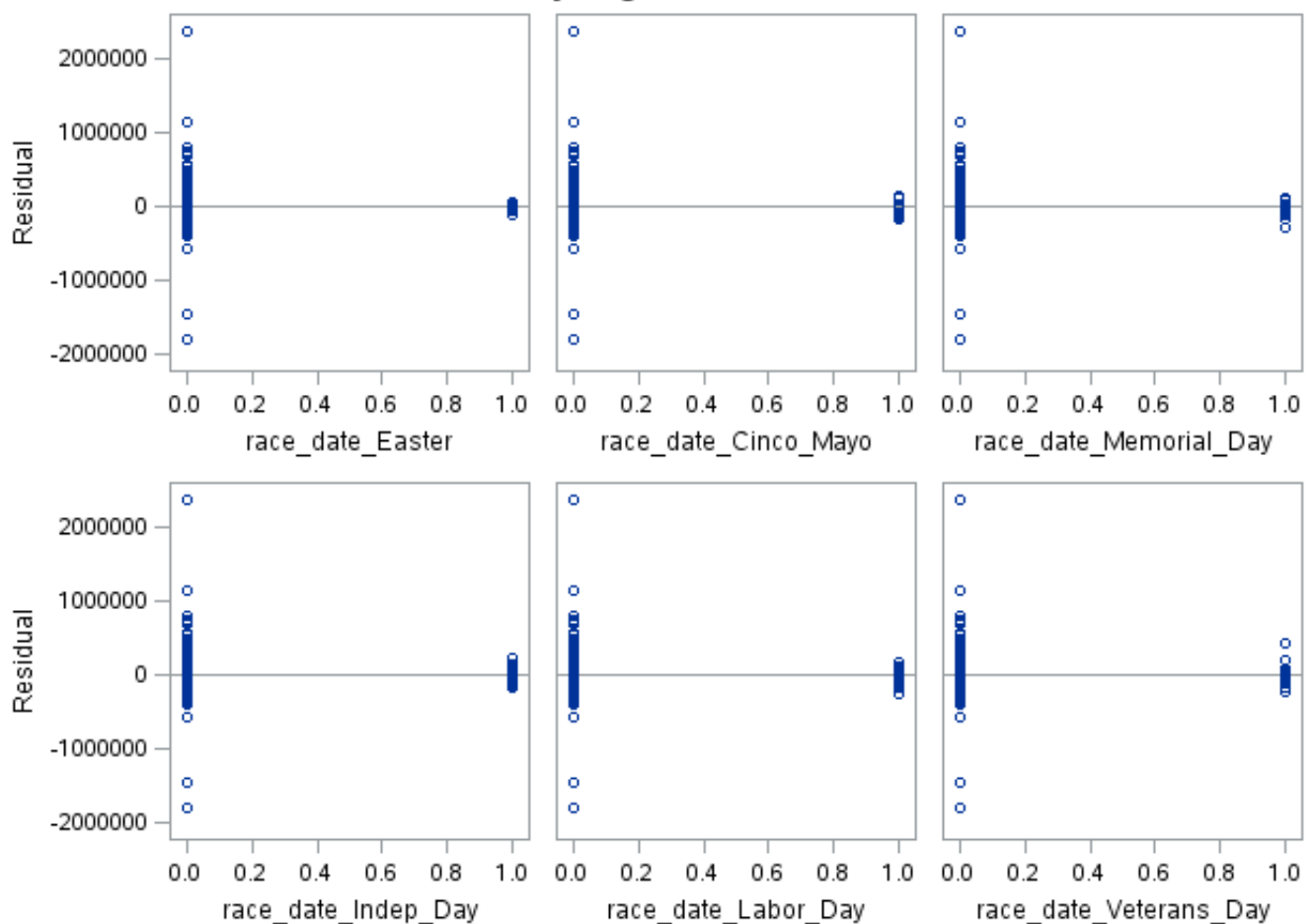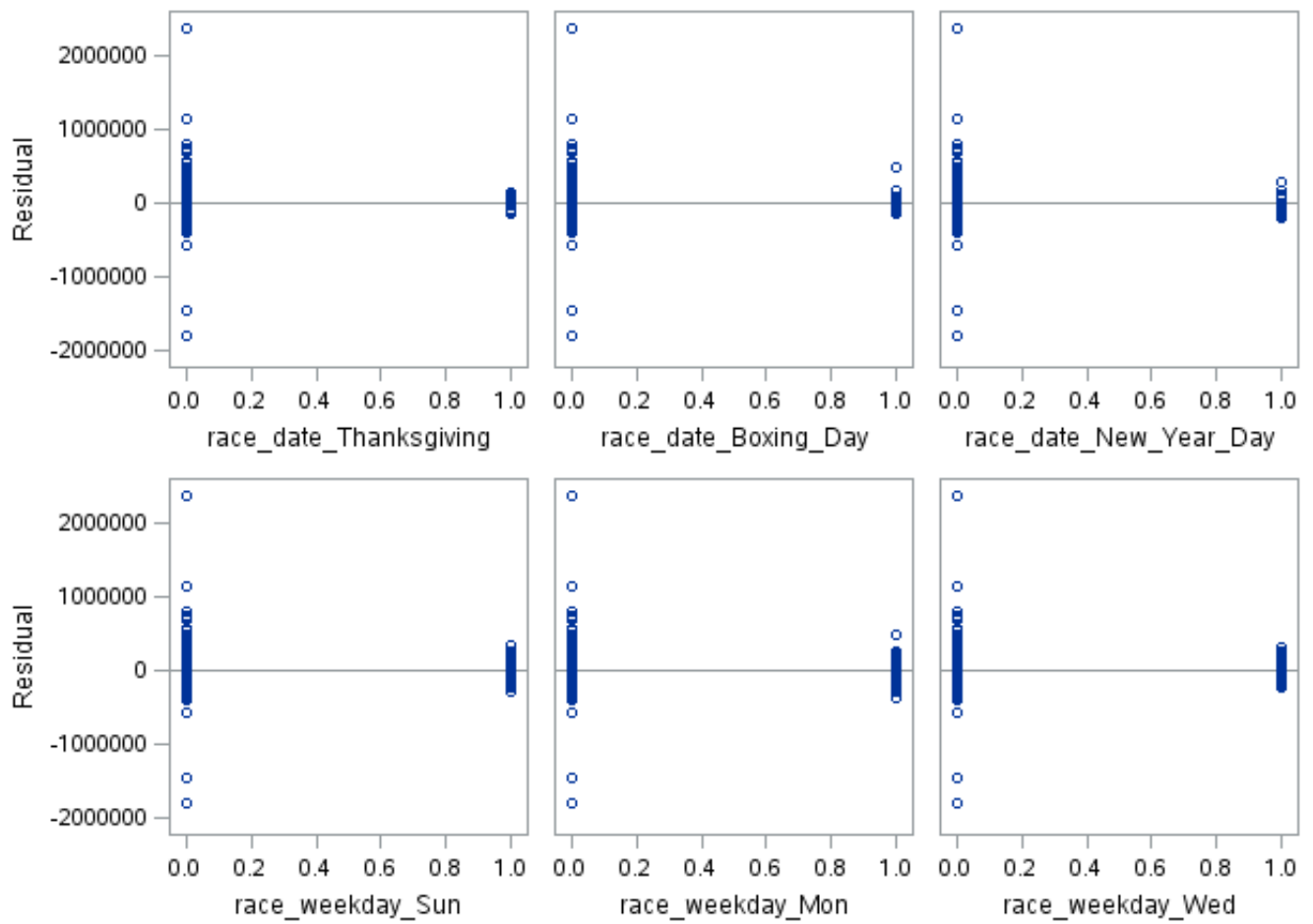**Residual by Regressors for handle**

Residual by Regressors for handle

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