

## 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	81	1.341781E14	1.65652E12	124.60	<.0001
Error	4303	5.720826E13	13294969856		
Corrected Total	4384	1.913864E14			

Root MSE	115304	R-Square	0.7011
Dependent Mean	346952	Adj R-Sq	0.6955
Coeff Var	33.23333		

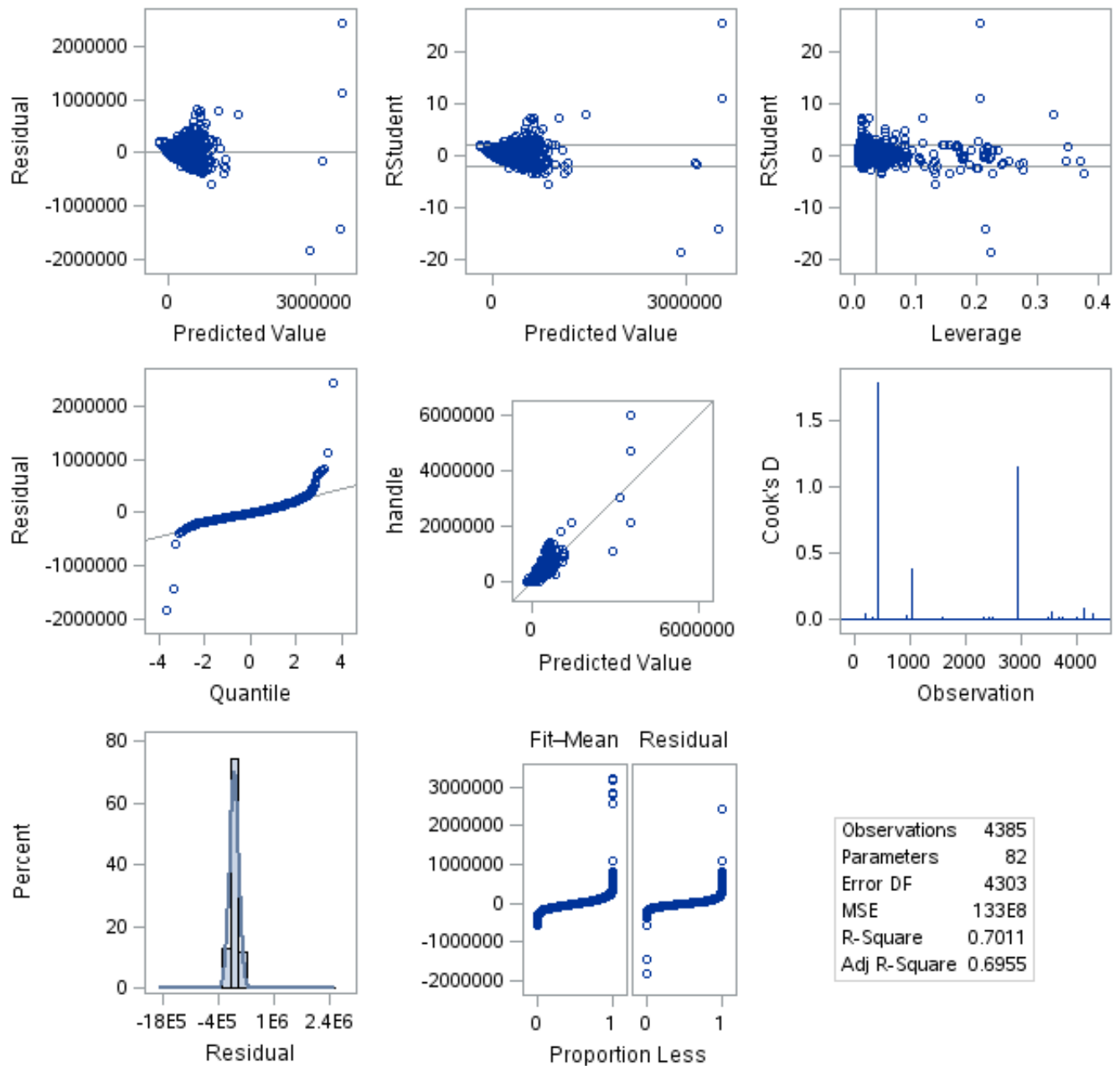
Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	739125	87495	8.45	<.0001
track_id_AP	1	59507	9096.18579	6.54	<.0001
track_id_CRC	1	-90580	8745.66307	-10.36	<.0001
race_number_2	1	61169	8003.90825	7.64	<.0001
race_number_3	1	66971	7949.06664	8.42	<.0001
race_number_4	1	72863	8341.69477	8.73	<.0001
race_number_5	1	92735	8271.01398	11.21	<.0001
race_number_6	1	99017	8326.91138	11.89	<.0001
race_number_7	1	99784	8513.77122	11.72	<.0001
race_number_8	1	80866	8623.61247	9.38	<.0001
race_number_9	1	127874	8457.04781	15.12	<.0001
race_number_10	1	123102	9558.32380	12.88	<.0001
race_number_11	1	122958	11983	10.26	<.0001
race_number_12	1	127526	15739	8.10	<.0001
race_number_13	1	74153	20717	3.58	0.0003
race_type_CLM	1	-65458	30660	-2.13	0.0328
race_type_MCL	1	-62958	31429	-2.00	0.0452
race_type_MSW	1	14607	9374.17104	1.56	0.1193
race_type_AOC	1	-68248	30889	-2.21	0.0272
race_type_STK	1	267376	40711	6.57	<.0001
race_type_CAN	1	-932168	65456	-14.24	<.0001
age_restriction_3U	1	-20993	10103	-2.08	0.0378
age_restriction_02	1	-9681.62665	12422	-0.78	0.4358
age_restriction_34	1	-28464	13166	-2.16	0.0307
age_restriction_03	1	-12049	10890	-1.11	0.2686
age_restriction_45	1	-29959	24063	-1.25	0.2132
sex_restriction_B	1	-12724	4857.52626	-2.62	0.0088
sex_restriction_F	1	-11388	5363.80518	-2.12	0.0338
distance_id_600	1	275716	46336	5.95	<.0001
distance_id_800	1	268466	46338	5.79	<.0001
distance_id_850	1	266063	46350	5.74	<.0001
distance_id_550	1	278737	46609	5.98	<.0001

distance_id_700	1	273162	46739	5.84	<.0001
distance_id_500	1	271978	46715	5.82	<.0001
distance_id_650	1	282380	46754	6.04	<.0001
distance_id_900	1	262976	46640	5.64	<.0001
distance_id_832	1	278368	47898	5.81	<.0001
distance_id_450	1	242840	48571	5.00	<.0001
distance_id_750	1	254232	48954	5.19	<.0001
distance_id_818	1	269822	50114	5.38	<.0001
distance_id_1200	1	289648	55165	5.25	<.0001
distance_id_1000	1	622659	60725	10.25	<.0001
distance_id_200	1	105047	70833	1.48	0.1381
distance_id_950	1	290765	59324	4.90	<.0001
course_type_T	1	56294	6107.57200	9.22	<.0001
purse_usa_25K	1	-96610	22824	-4.23	<.0001
purse_usa_30K	1	-100595	22815	-4.41	<.0001
purse_usa_40K	1	-103013	22082	-4.67	<.0001
purse_usa_100K	1	-66638	20254	-3.29	0.0010
minimum_claim_price__0	1	-53168	30158	-1.76	0.0780
minimum_claim_price_10K	1	-16597	6294.79515	-2.64	0.0084
minimum_claim_price__5K	1	-27868	11251	-2.48	0.0133
minimum_claim_price__4K	1	-46013	25990	-1.77	0.0767
grade_1	1	2436165	56647	43.01	<.0001
grade_2	1	352524	40298	8.75	<.0001
grade_3	1	154524	23007	6.72	<.0001
number_of_runners__3	1	-880094	91058	-9.67	<.0001
number_of_runners__4	1	-753090	63628	-11.84	<.0001
number_of_runners__5	1	-684312	60992	-11.22	<.0001
number_of_runners__6	1	-628792	60679	-10.36	<.0001
number_of_runners__7	1	-594691	60651	-9.81	<.0001
number_of_runners__8	1	-568626	60657	-9.37	<.0001
number_of_runners__9	1	-529593	60740	-8.72	<.0001
number_of_runners_10	1	-508472	60753	-8.37	<.0001
number_of_runners_11	1	-486540	61041	-7.97	<.0001
number_of_runners_12	1	-473436	61153	-7.74	<.0001
abbreviated_name_RACE_HAS	1	-235609	41787	-5.64	<.0001
track_sealed_indicator_Y	1	-39578	8636.90083	-4.58	<.0001
track_sealed_indicator_N	1	-10575	6544.67474	-1.62	0.1062
race_date_Super_Bowl	1	-88018	47717	-1.84	0.0652
race_date_Patricks_Day	1	-87812	52650	-1.67	0.0954
race_date_Memorial_Day	1	-55416	21734	-2.55	0.0108
race_date_Veterans_Day	1	29787	23188	1.28	0.1990
race_date_Thanksgiving	1	-84589	24430	-3.46	0.0005
race_date_Boxing_Day	1	252767	27910	9.06	<.0001
race_date_New_Year_Day	1	91567	24355	3.76	0.0002
race_weekday_Sun	1	13686	8872.91398	1.54	0.1230
race_weekday_Mon	1	34552	9247.67058	3.74	0.0002
race_weekday_Wed	1	32679	11307	2.89	0.0039
race_weekday_Thu	1	16641	9526.19532	1.75	0.0807
race_weekday_Fri	1	56642	8855.57525	6.40	<.0001
race_weekday_Sat	1	90830	8922.31785	10.18	<.0001

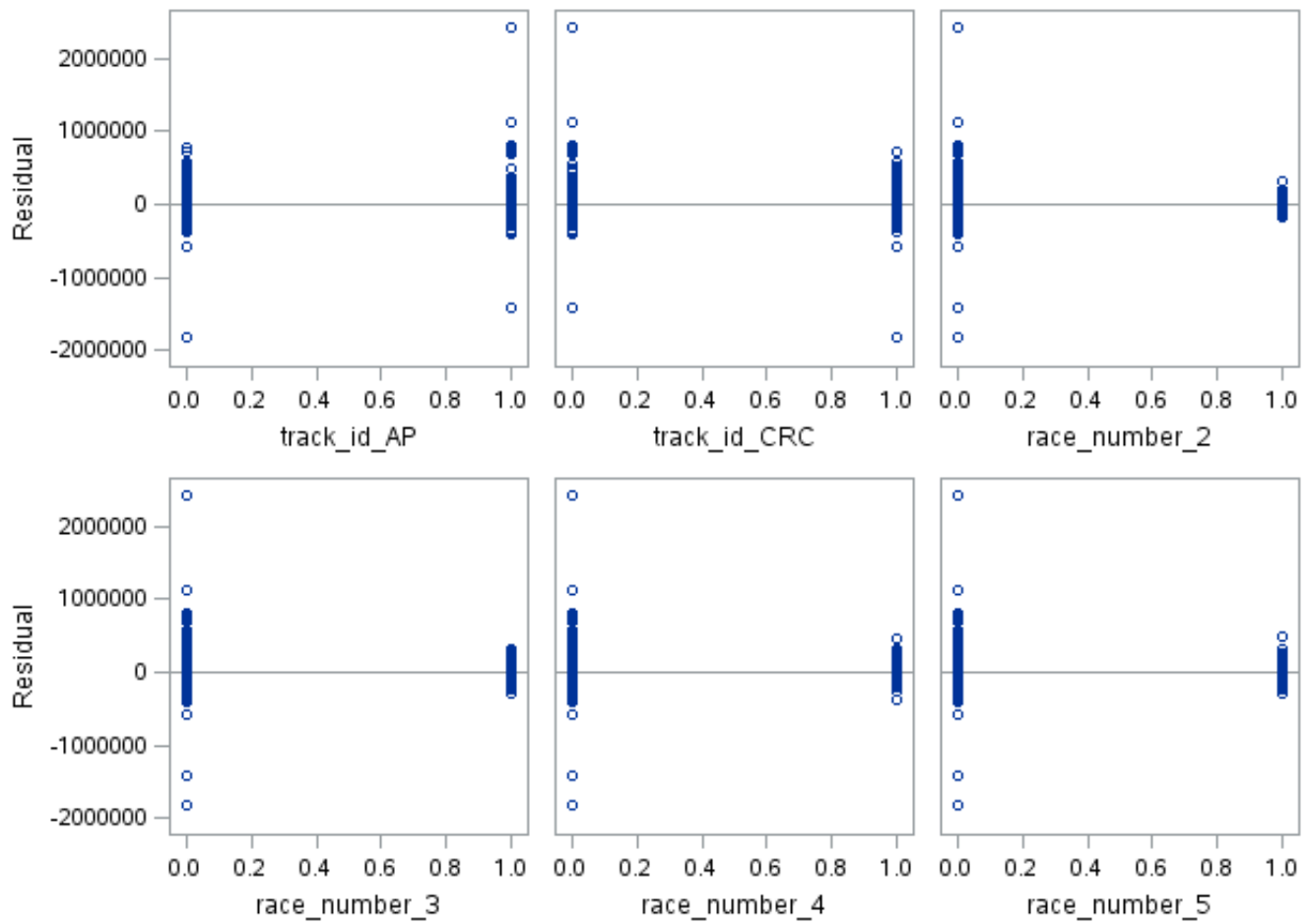
## Linear Model using Development Dataset

The REG Procedure  
Model: MODEL1  
Dependent Variable: handle

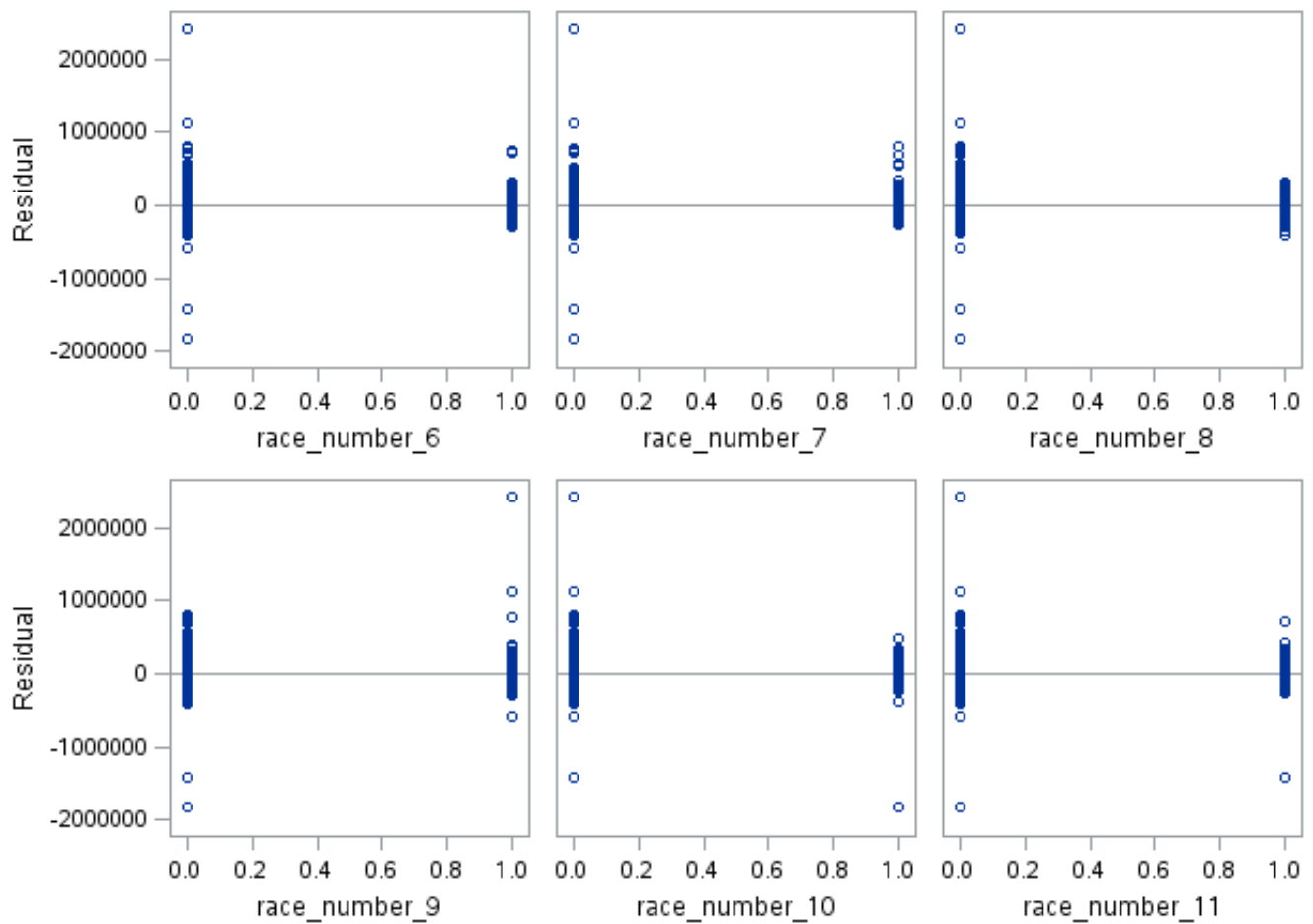
### Fit Diagnostics for handle



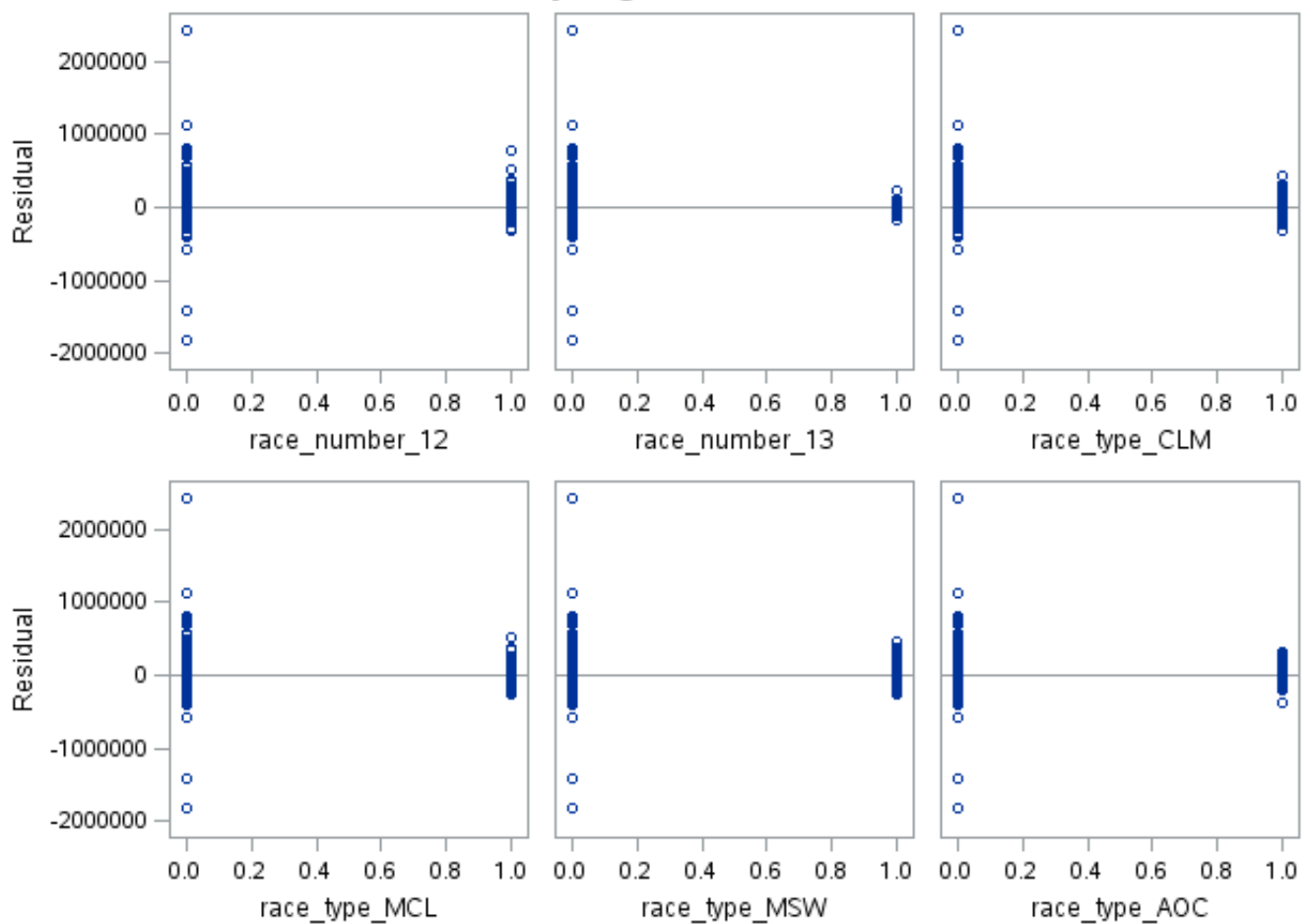
**Residual by Regressors for handle**



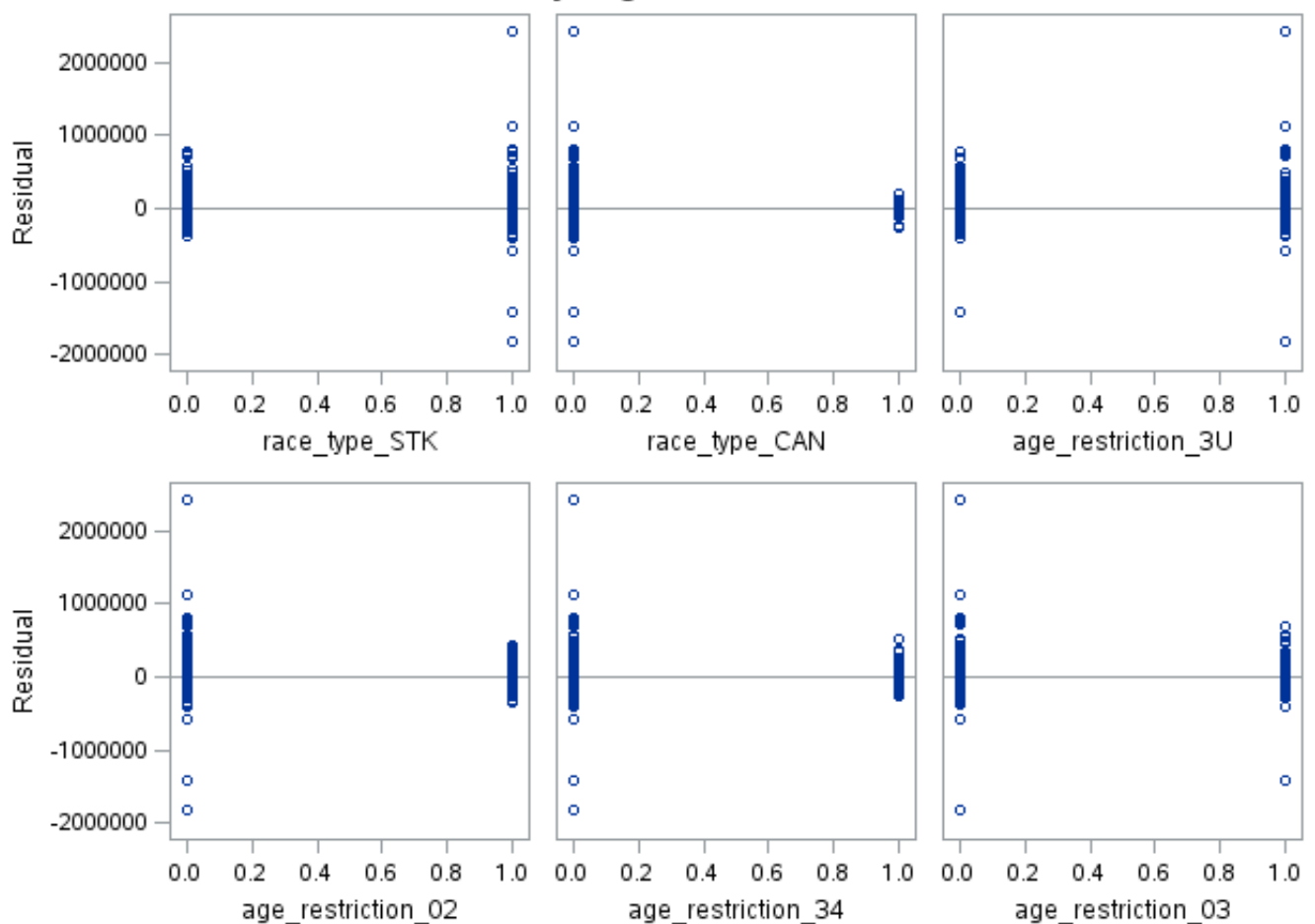
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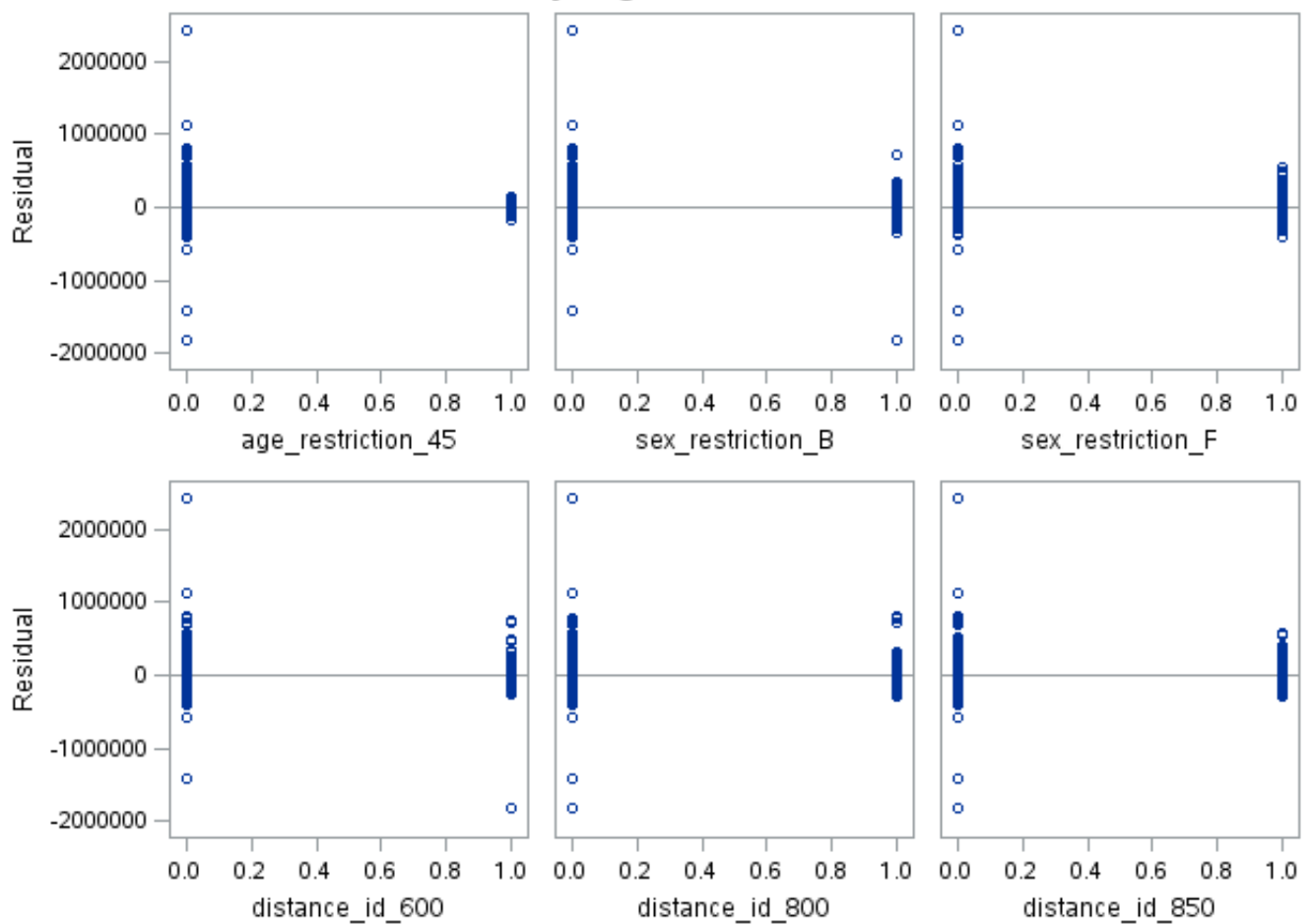
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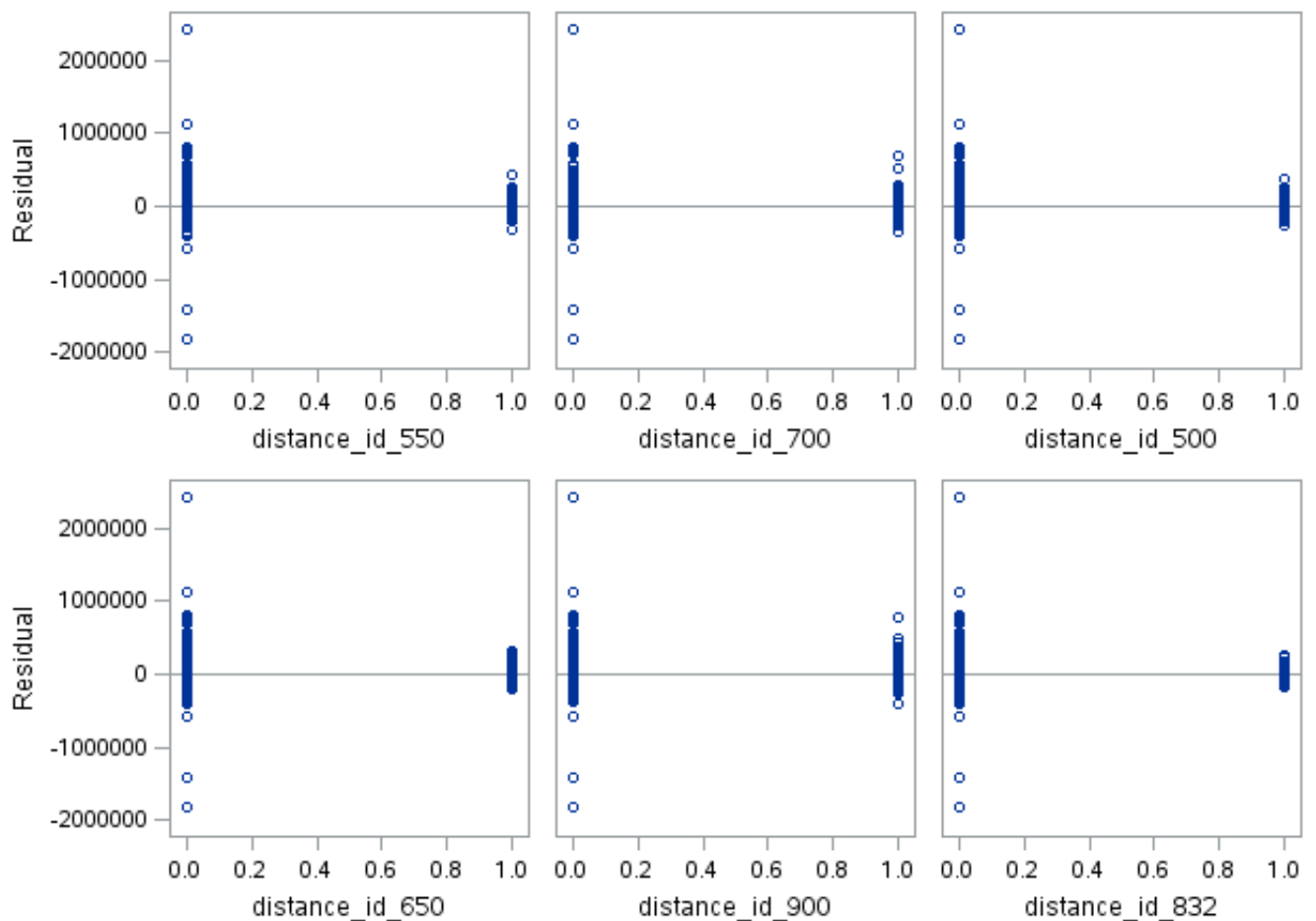
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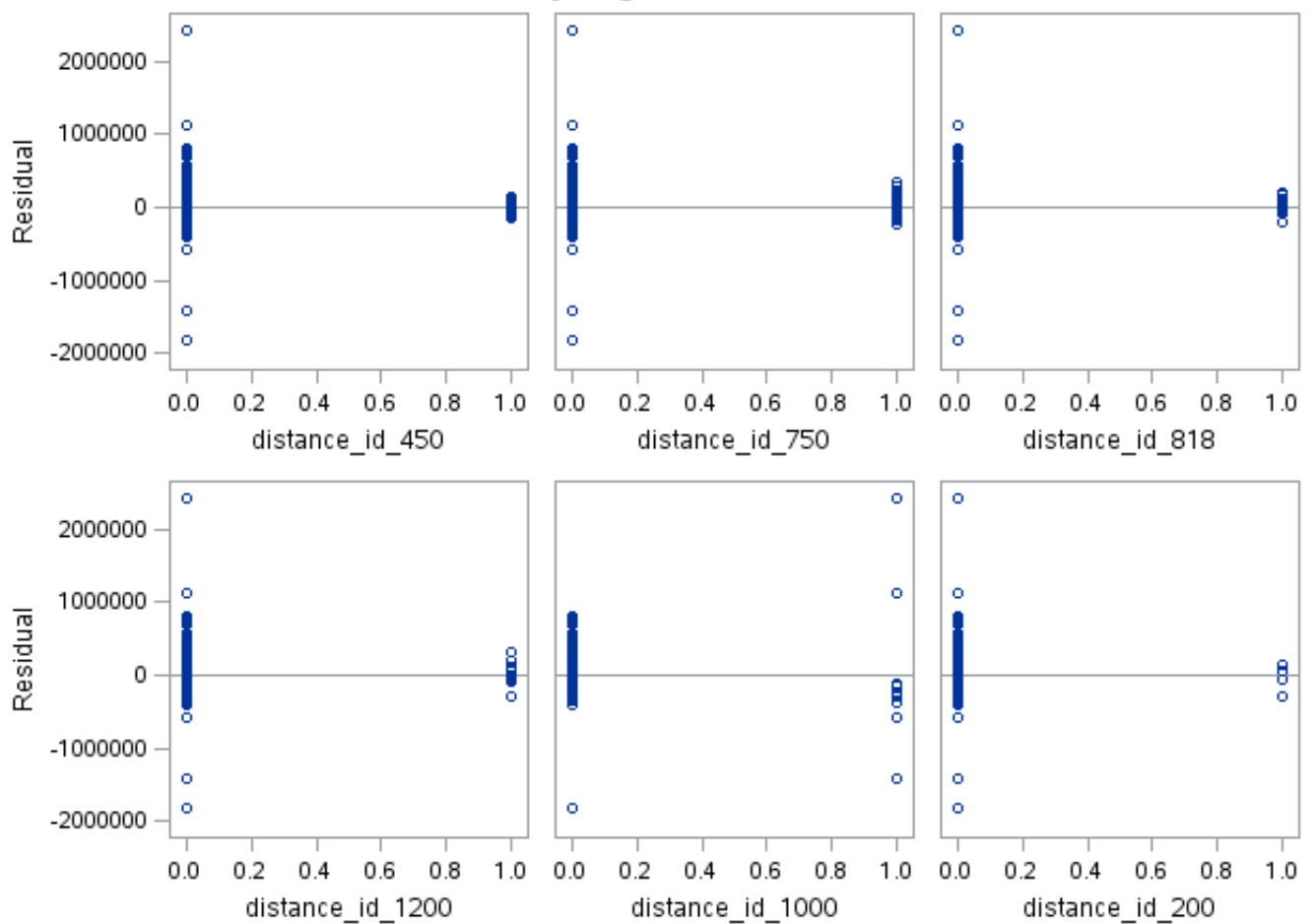
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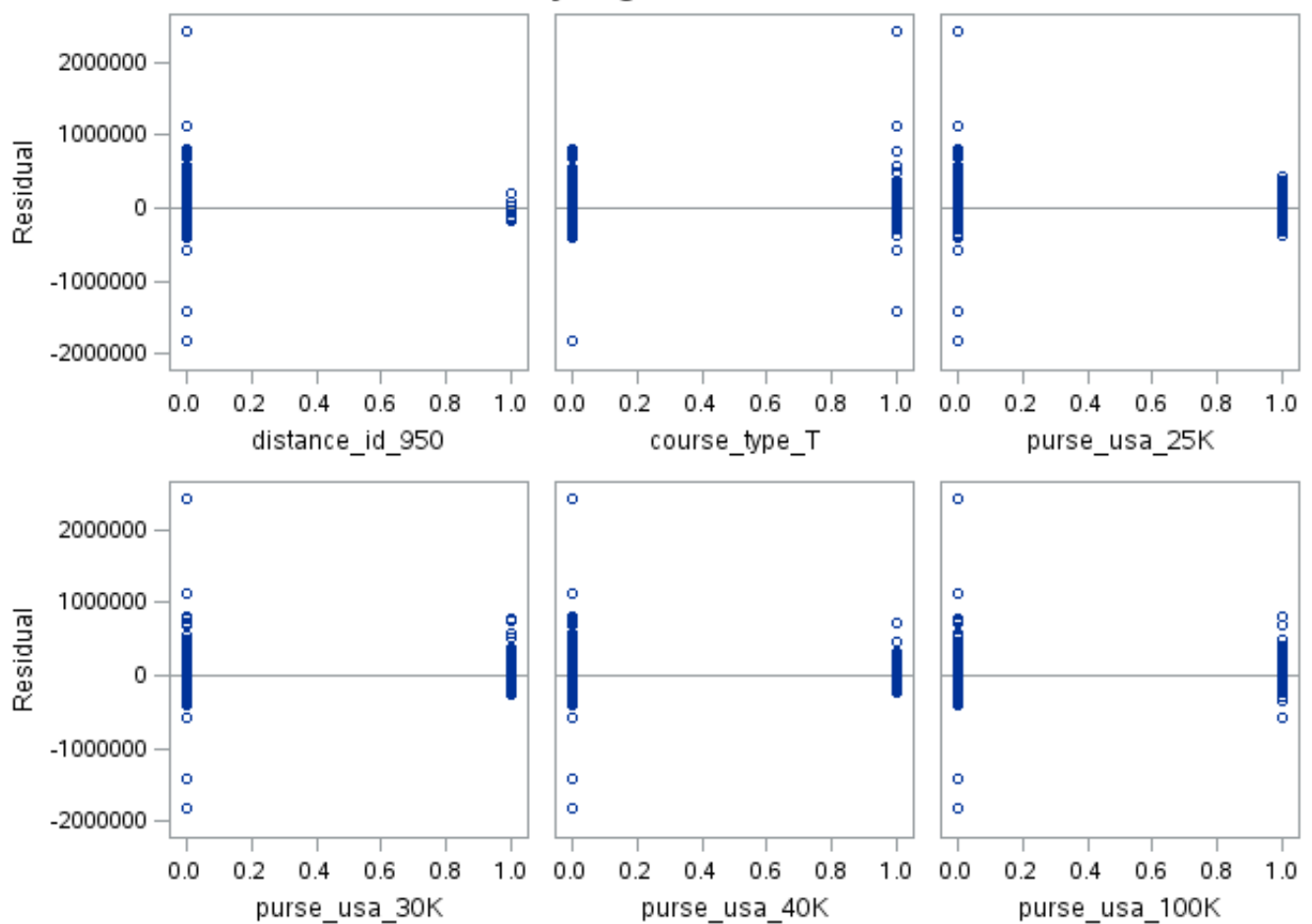
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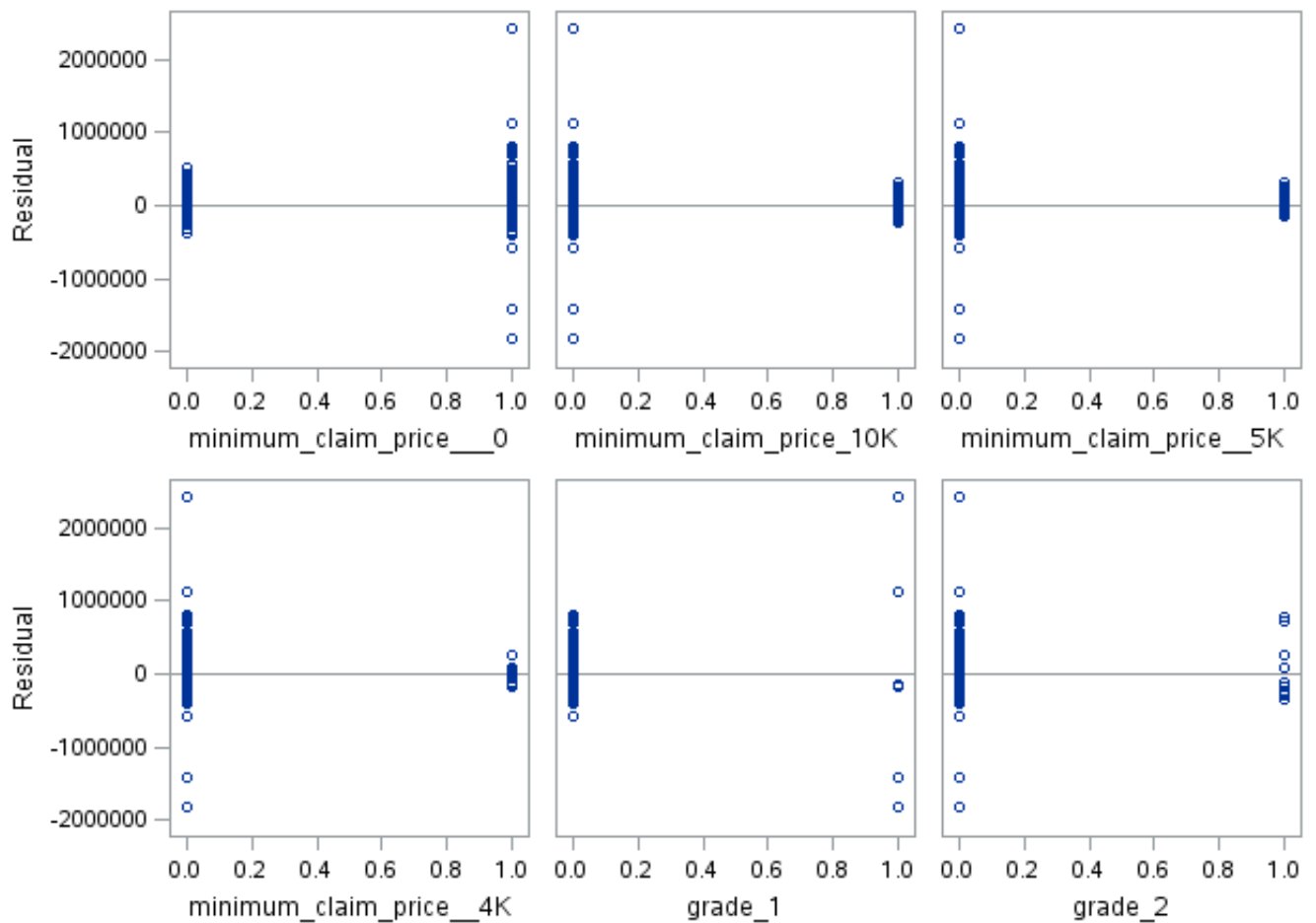
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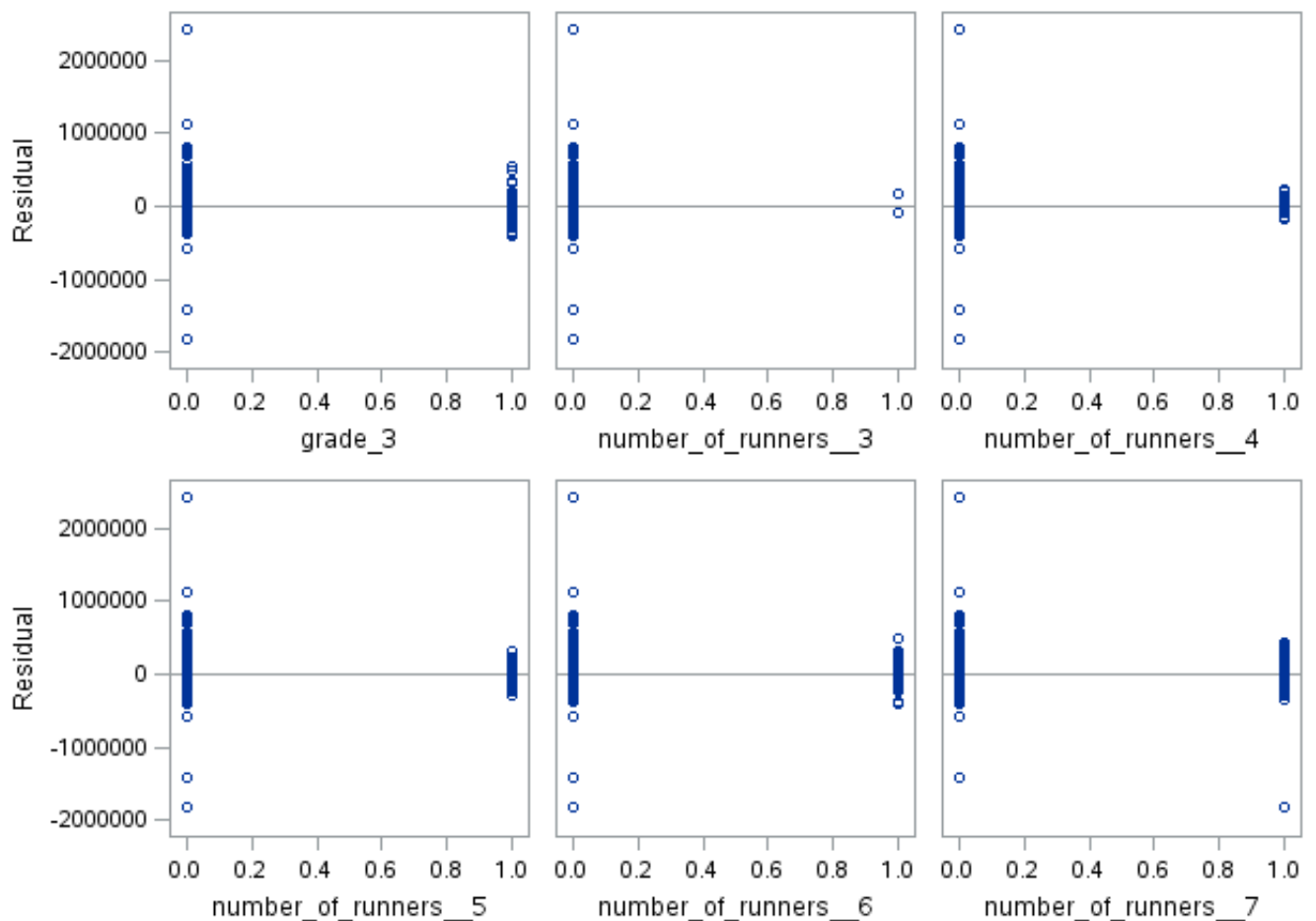
**Residual by Regressors for handle**



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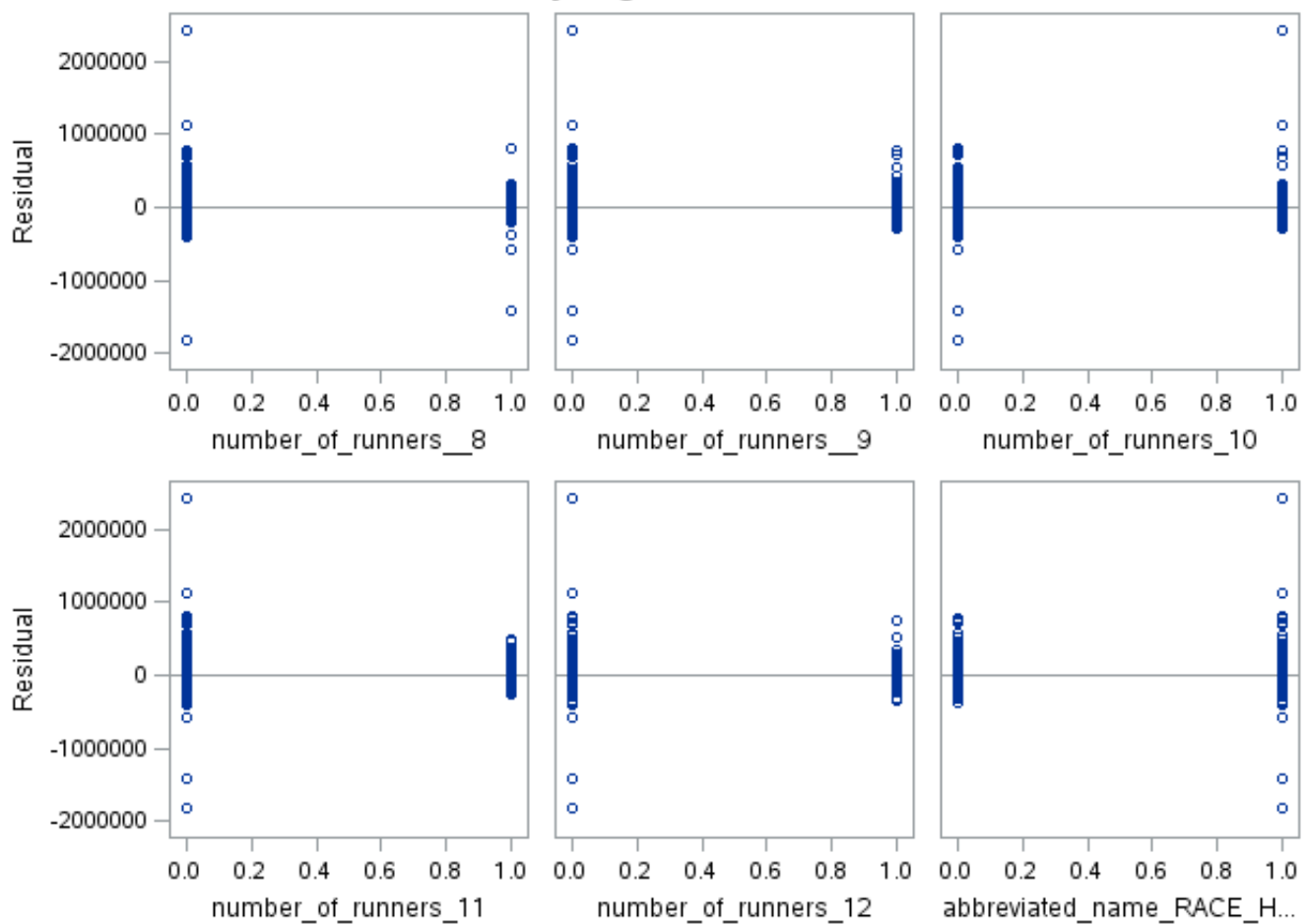


**Residual by Regressors for handle**

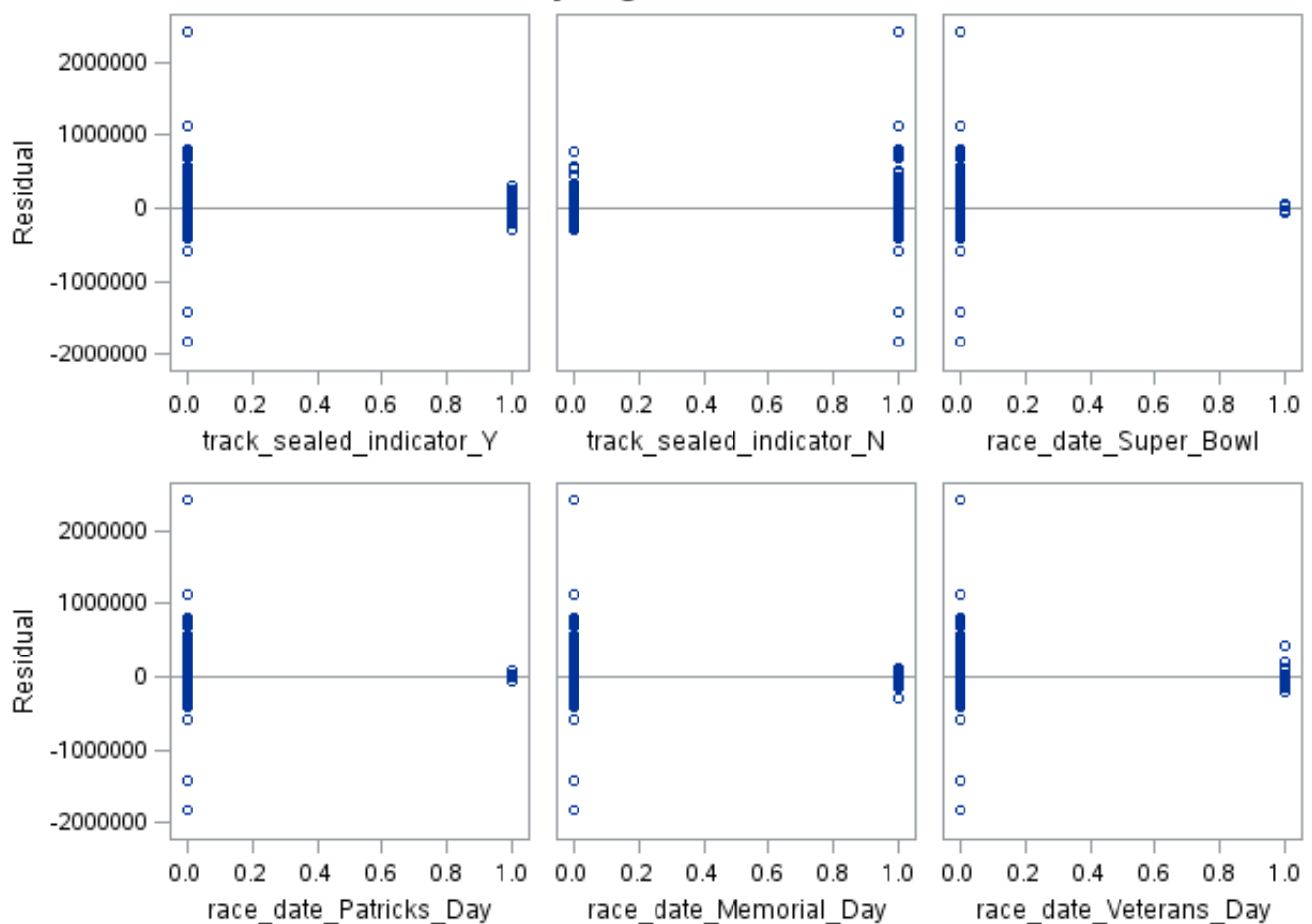




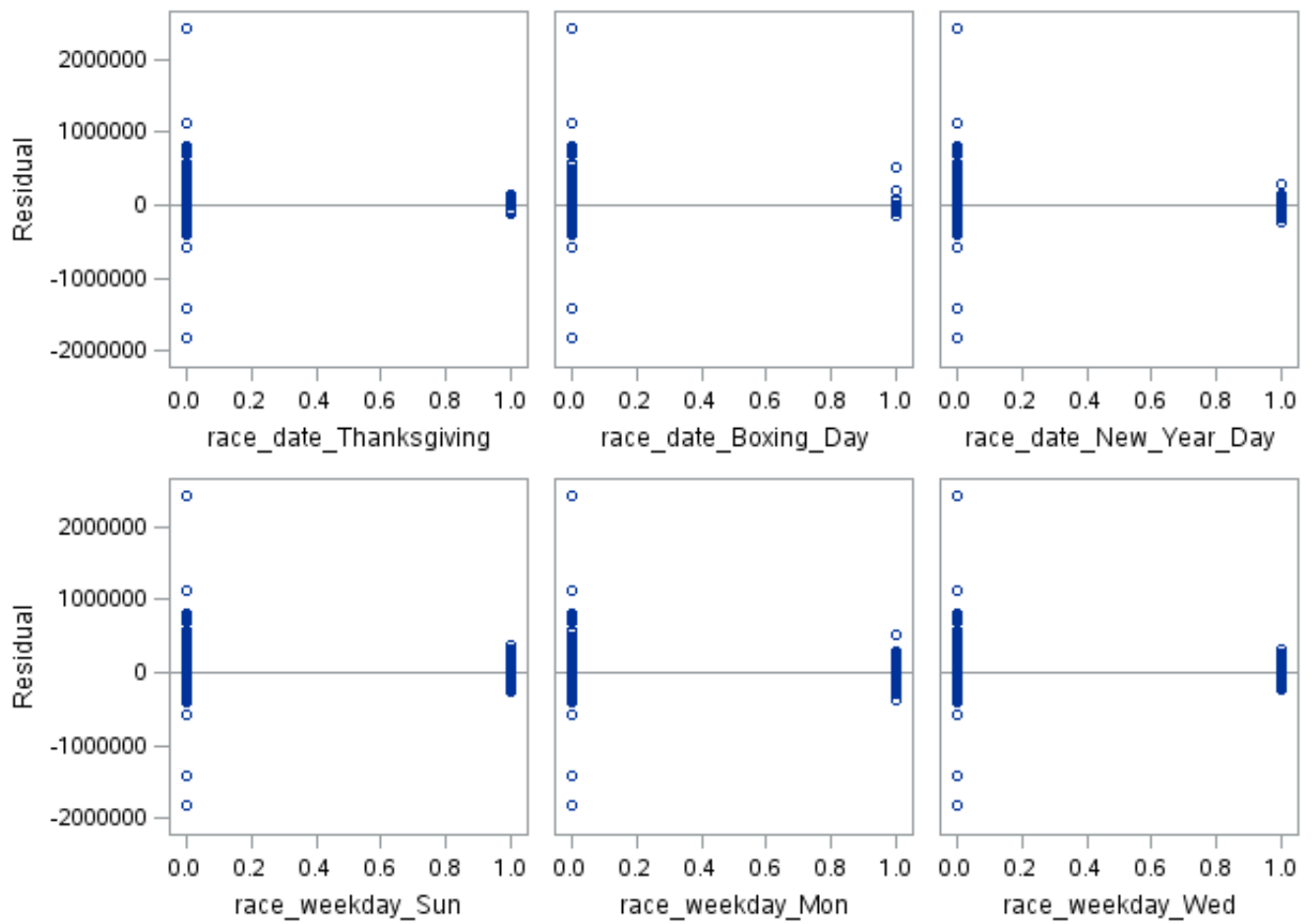
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