

## 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	95	1.343598E14	1.414314E12	106.37	<.0001
Error	4289	5.702654E13	13296000044		
Corrected Total	4384	1.913864E14			

Root MSE	115308	R-Square	0.7020
Dependent Mean	346952	Adj R-Sq	0.6954
Coeff Var	33.23462		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	833282	125689	6.63	<.0001
track_id_AP	1	56314	9328.77513	6.04	<.0001
track_id_CRC	1	-96429	9163.75970	-10.52	<.0001
race_number_2	1	61147	8019.26253	7.62	<.0001
race_number_3	1	67020	7957.11596	8.42	<.0001
race_number_4	1	72612	8356.15291	8.69	<.0001
race_number_5	1	92834	8291.65209	11.20	<.0001
race_number_6	1	98964	8348.90638	11.85	<.0001
race_number_7	1	99742	8550.01093	11.67	<.0001
race_number_8	1	80131	8657.42424	9.26	<.0001
race_number_9	1	128064	8514.60692	15.04	<.0001
race_number_10	1	123594	9584.73038	12.89	<.0001
race_number_11	1	123647	12027	10.28	<.0001
race_number_12	1	127689	15801	8.08	<.0001
race_number_13	1	75567	20786	3.64	0.0003
race_type_CLM	1	-41085	36724	-1.12	0.2633
race_type_MCL	1	-38210	37597	-1.02	0.3095
race_type_MSW	1	28886	14892	1.94	0.0525
race_type_AOC	1	-46578	37163	-1.25	0.2102
race_type_ALW	1	15333	13993	1.10	0.2732
race_type_STK	1	245243	56466	4.34	<.0001
race_type_CAN	1	-909043	68492	-13.27	<.0001
age_restriction_3U	1	-75022	58755	-1.28	0.2017
age_restriction_02	1	-65679	58459	-1.12	0.2613
age_restriction_34	1	-84904	58504	-1.45	0.1468
age_restriction_03	1	-66999	58619	-1.14	0.2531
age_restriction_35	1	-72527	60775	-1.19	0.2328
age_restriction_45	1	-88133	63018	-1.40	0.1620
age_restriction_4U	1	-48124	59672	-0.81	0.4200
sex_restriction_B	1	-13172	4870.45064	-2.70	0.0069
sex_restriction_F	1	-11388	5371.48448	-2.12	0.0341
stakes_indicator_N	1	-64172	93212	-0.69	0.4912

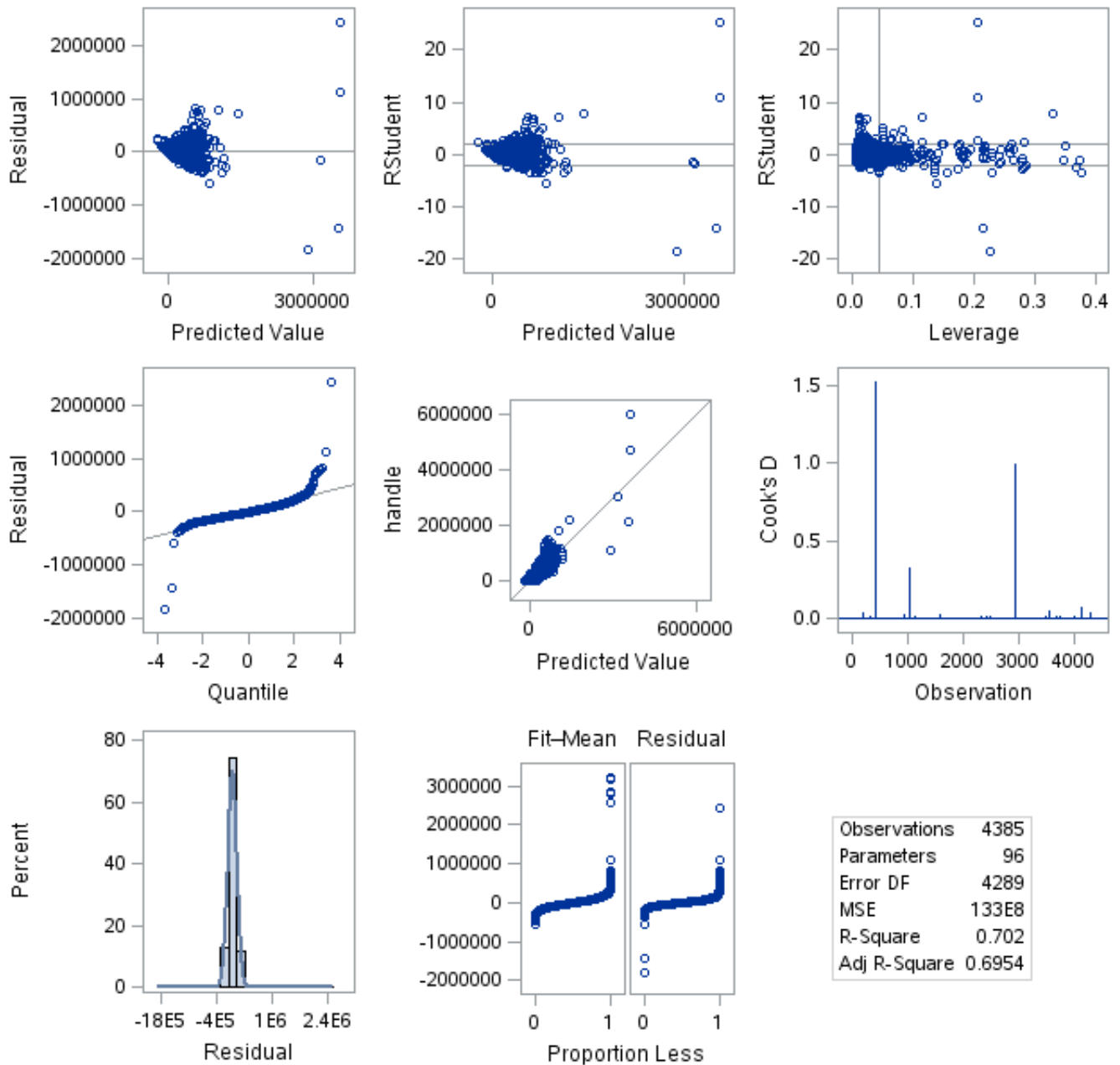
distance_id_600	1	280222	46952	5.97	<.0001
distance_id_800	1	272868	46920	5.82	<.0001
distance_id_850	1	270507	46952	5.76	<.0001
distance_id_550	1	283745	47238	6.01	<.0001
distance_id_700	1	278576	47321	5.89	<.0001
distance_id_500	1	276718	47291	5.85	<.0001
distance_id_650	1	287067	47357	6.06	<.0001
distance_id_900	1	267548	47200	5.67	<.0001
distance_id_832	1	284125	48478	5.86	<.0001
distance_id_450	1	247187	49091	5.04	<.0001
distance_id_750	1	257664	49543	5.20	<.0001
distance_id_818	1	276228	50783	5.44	<.0001
distance_id_1200	1	294459	55384	5.32	<.0001
distance_id_1000	1	628934	60857	10.33	<.0001
distance_id_200	1	110264	71259	1.55	0.1218
distance_id_950	1	294888	59373	4.97	<.0001
about_distance_indicator_A	1	-11103	9588.62705	-1.16	0.2470
course_type_T	1	59465	7095.74402	8.38	<.0001
purse_usa_25K	1	-92633	23019	-4.02	<.0001
purse_usa_30K	1	-97499	22942	-4.25	<.0001
purse_usa_40K	1	-103670	22156	-4.68	<.0001
purse_usa_100K	1	-67221	20304	-3.31	0.0009
minimum_claim_price__0	1	-42949	34398	-1.25	0.2119
minimum_claim_price_10K	1	-18312	6555.60211	-2.79	0.0052
minimum_claim_price__5K	1	-32457	11556	-2.81	0.0050
minimum_claim_price_30K	1	-7919.76660	13742	-0.58	0.5644
minimum_claim_price_15K	1	-16650	15844	-1.05	0.2934
minimum_claim_price__9K	1	-19000	17434	-1.09	0.2759
minimum_claim_price_62K	1	23343	19787	1.18	0.2382
minimum_claim_price__7K	1	-17353	18919	-0.92	0.3591
minimum_claim_price__4K	1	-48486	26156	-1.85	0.0638
grade_1	1	2431951	56822	42.80	<.0001
grade_2	1	352946	40644	8.68	<.0001
grade_3	1	153464	23033	6.66	<.0001
number_of_runners_3	1	-880534	91125	-9.66	<.0001
number_of_runners_4	1	-754561	63660	-11.85	<.0001
number_of_runners_5	1	-684232	61044	-11.21	<.0001
number_of_runners_6	1	-628624	60727	-10.35	<.0001
number_of_runners_7	1	-594295	60702	-9.79	<.0001
number_of_runners_8	1	-568536	60711	-9.36	<.0001
number_of_runners_9	1	-529365	60799	-8.71	<.0001
number_of_runners_10	1	-508033	60815	-8.35	<.0001
number_of_runners_11	1	-486115	61108	-7.95	<.0001
number_of_runners_12	1	-472422	61217	-7.72	<.0001
abbreviated_name_RACE_HAS	1	-261786	68088	-3.84	0.0001
track_sealed_indicator_Y	1	-38856	8733.18572	-4.45	<.0001
track_sealed_indicator_N	1	-10131	6664.15623	-1.52	0.1285
race_date_Super_Bowl	1	-88571	47880	-1.85	0.0644
race_date_Patricks_Day	1	-89711	52802	-1.70	0.0894
race_date_Easter	1	-36404	37349	-0.97	0.3298
race_date_Cinco_Mayo	1	32844	33696	0.97	0.3298

race_date_Memorial_Day	1	-53461	21842	-2.45	0.0144
race_date_Indep_Day	1	-22428	20401	-1.10	0.2717
race_date_Labor_Day	1	22825	21380	1.07	0.2858
race_date_Veterans_Day	1	30139	23192	1.30	0.1938
race_date_Thanksgiving	1	-84396	24446	-3.45	0.0006
race_date_Boxing_Day	1	252159	27966	9.02	<.0001
race_date_New_Year_Day	1	88279	24546	3.60	0.0003
race_weekday_Sun	1	11759	9083.21455	1.29	0.1955
race_weekday_Mon	1	31362	9389.12624	3.34	0.0008
race_weekday_Wed	1	30859	11515	2.68	0.0074
race_weekday_Thu	1	14759	9716.71366	1.52	0.1289
race_weekday_Fri	1	54615	9062.07474	6.03	<.0001
race_weekday_Sat	1	88318	9139.85166	9.66	<.0001

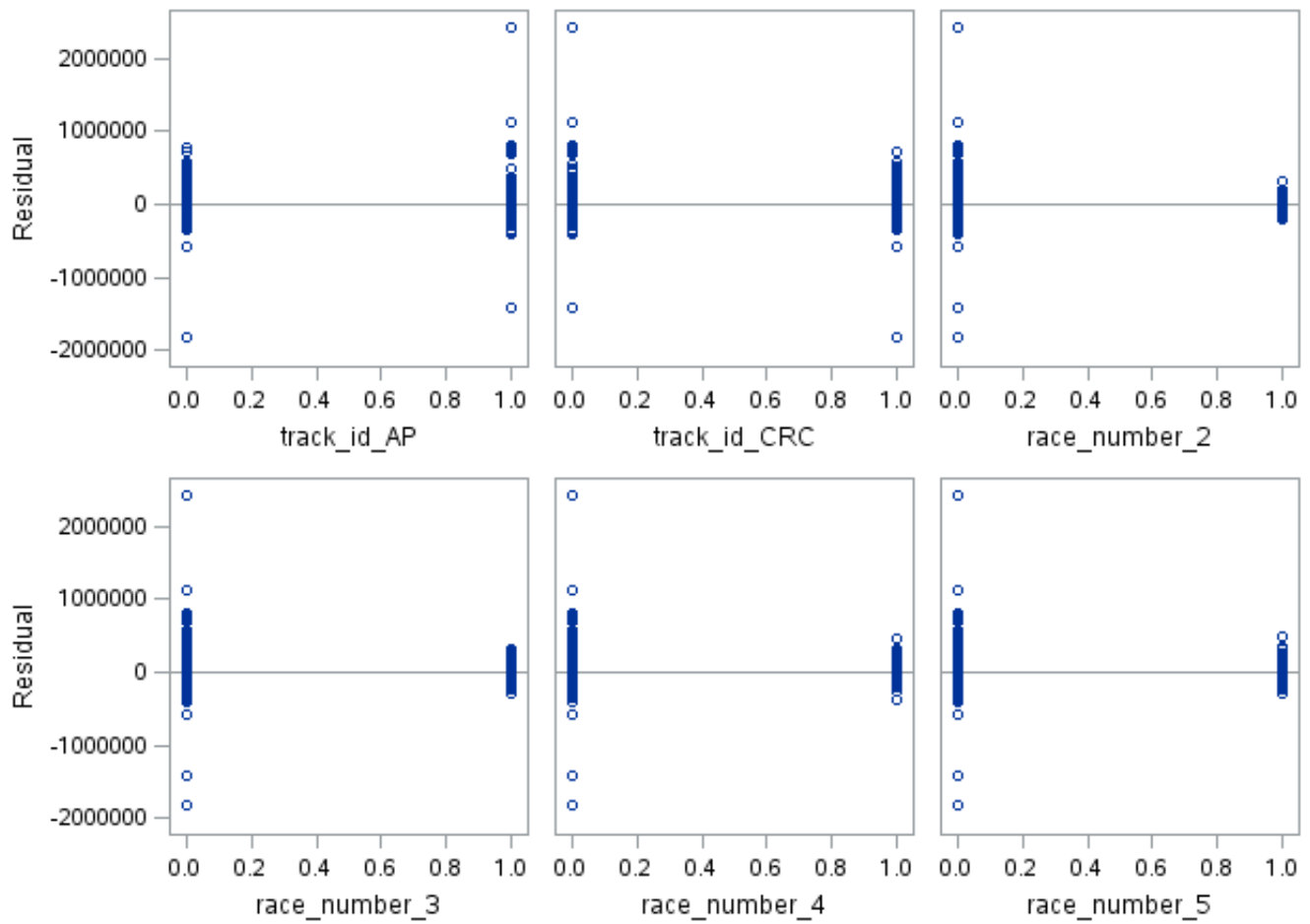
## Linear Model using Development Dataset

The REG Procedure  
Model: MODEL1  
Dependent Variable: handle

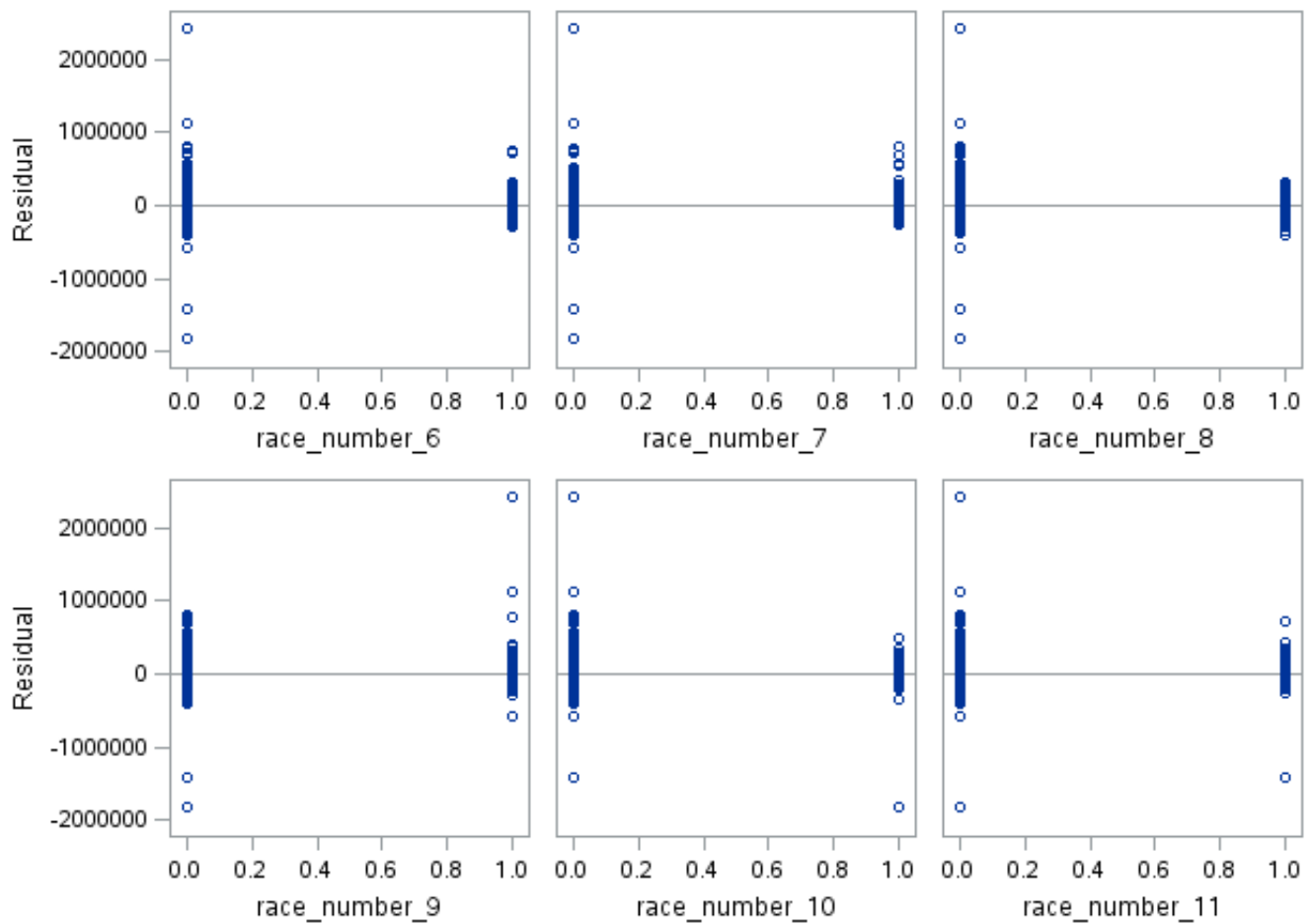
# Fit Diagnostics for handle



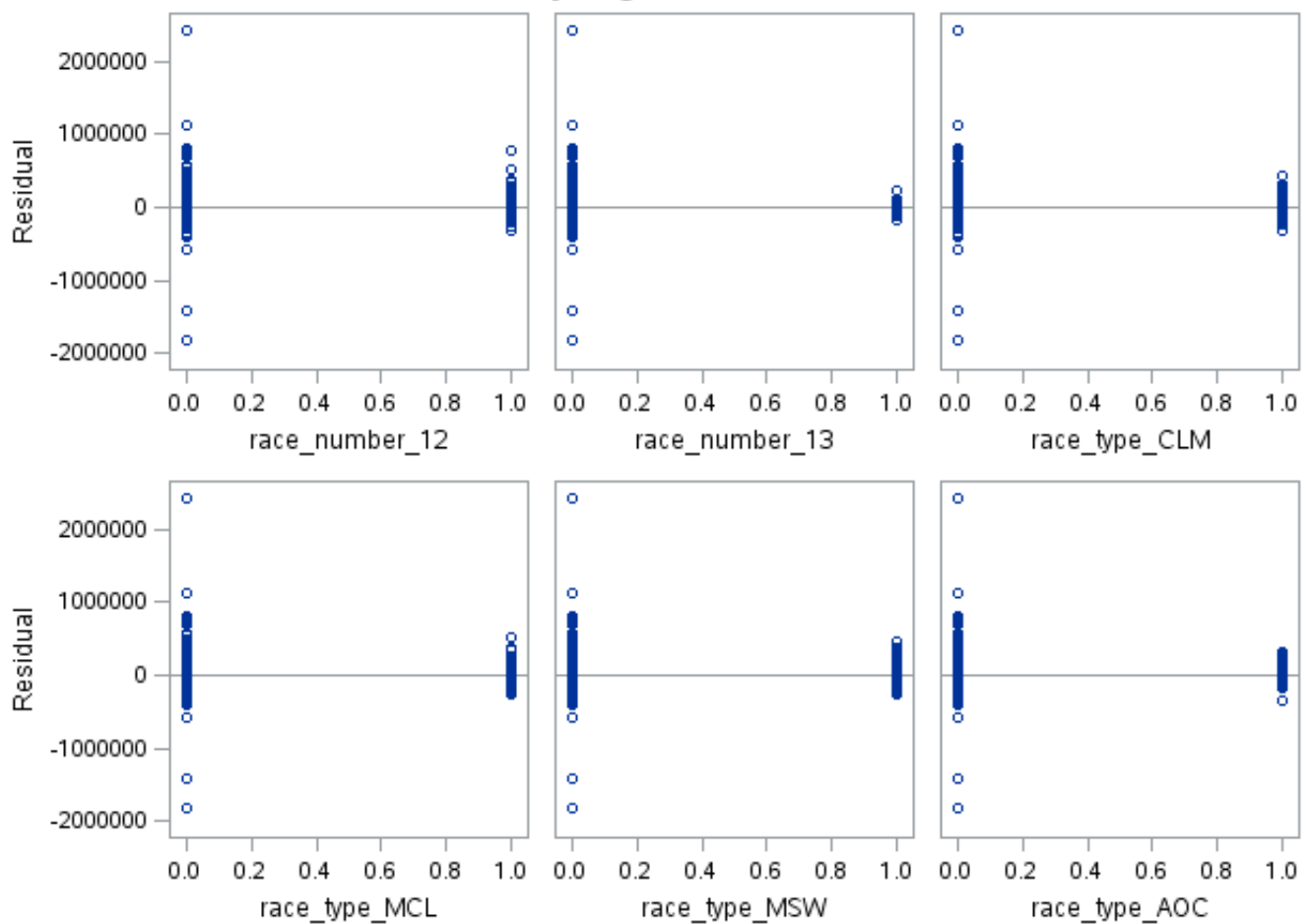
**Residual by Regressors for handle**



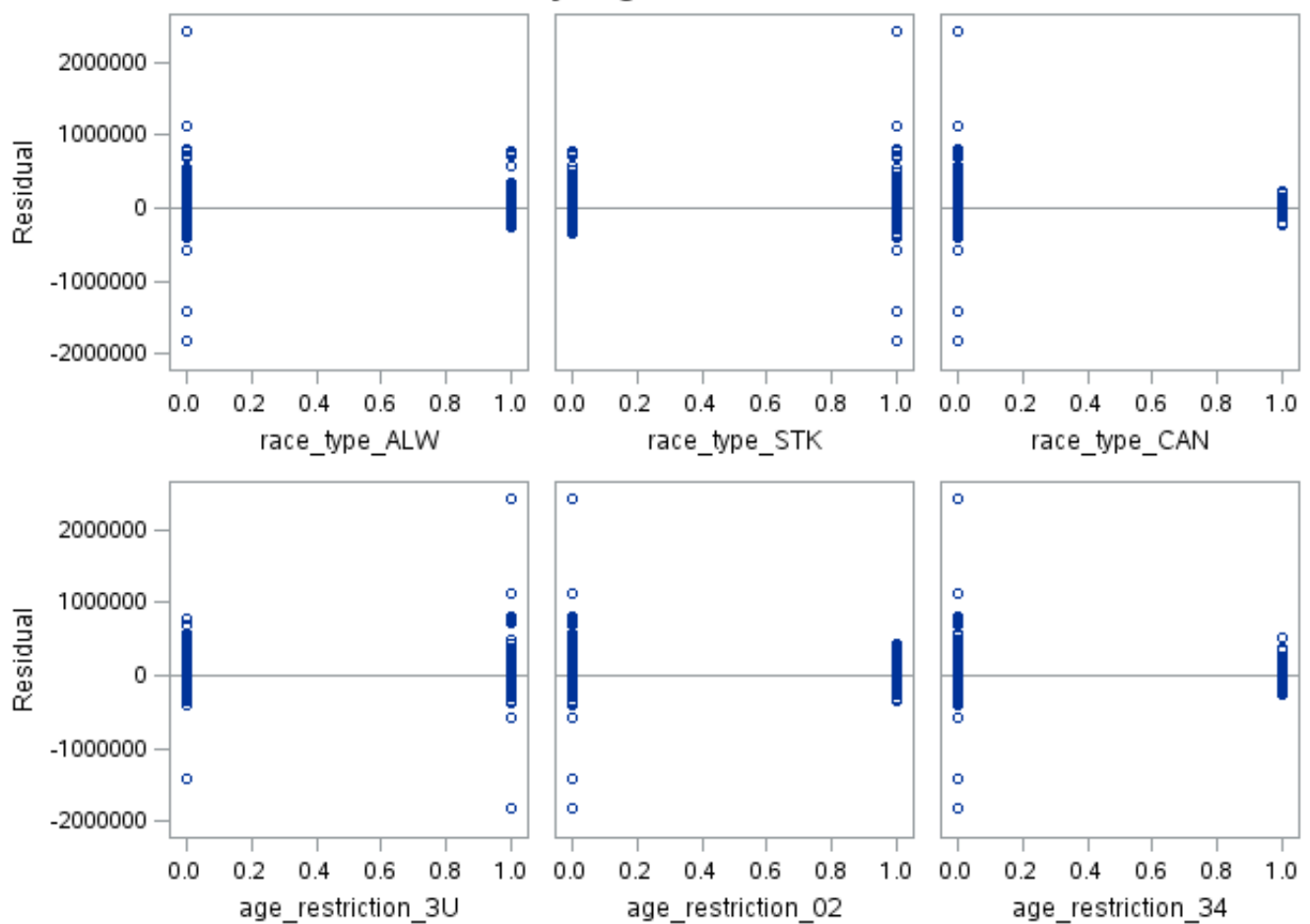
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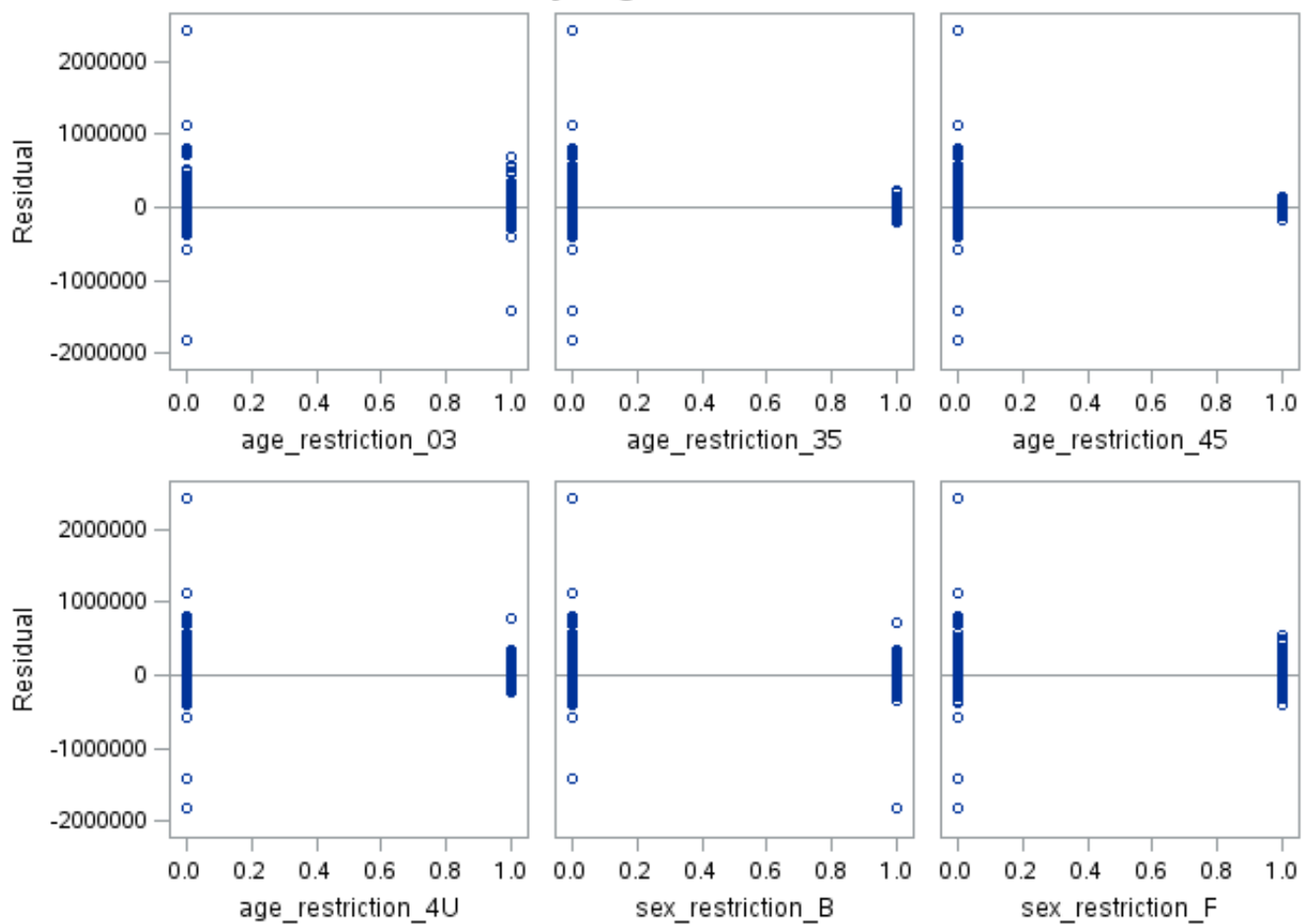
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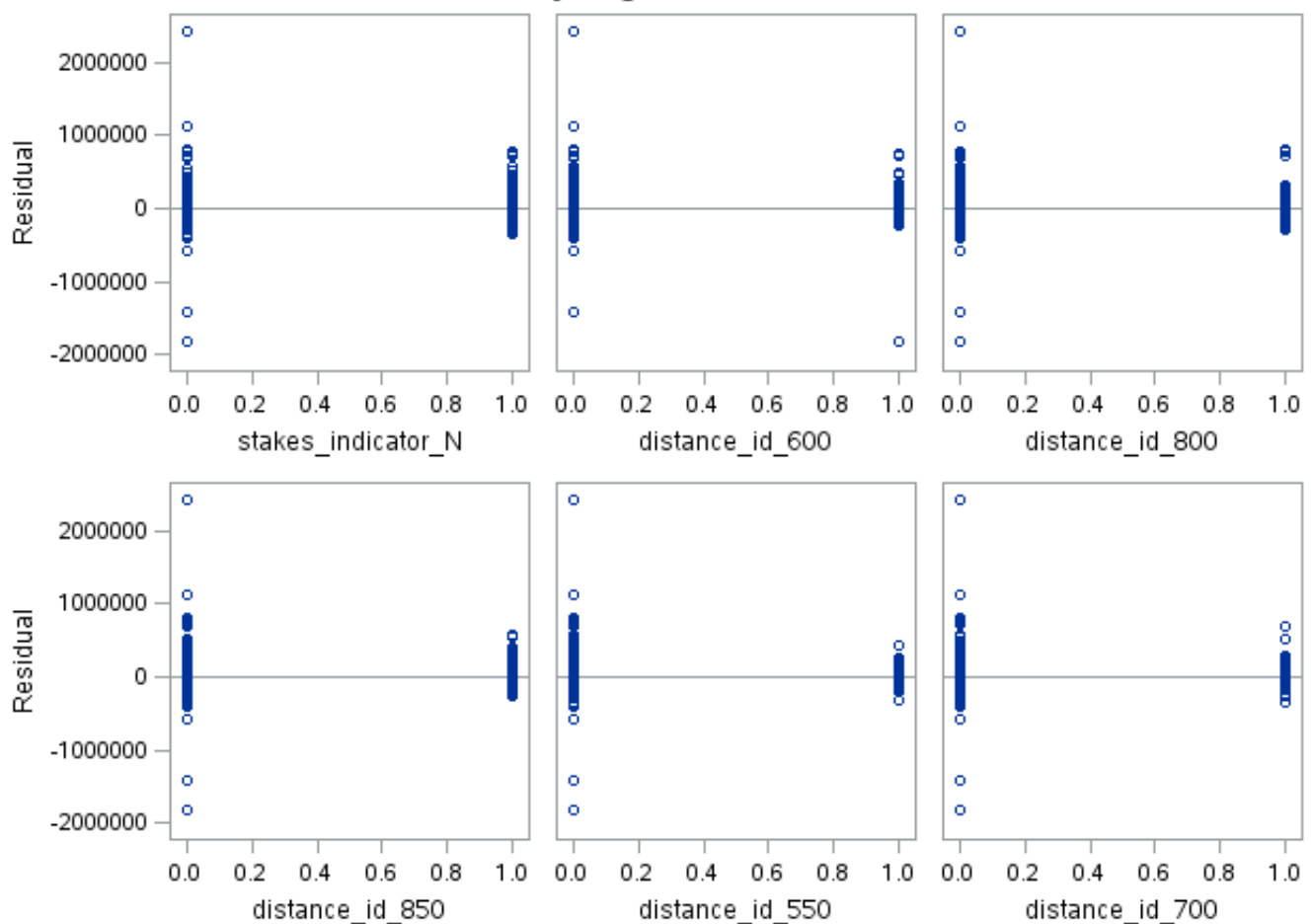
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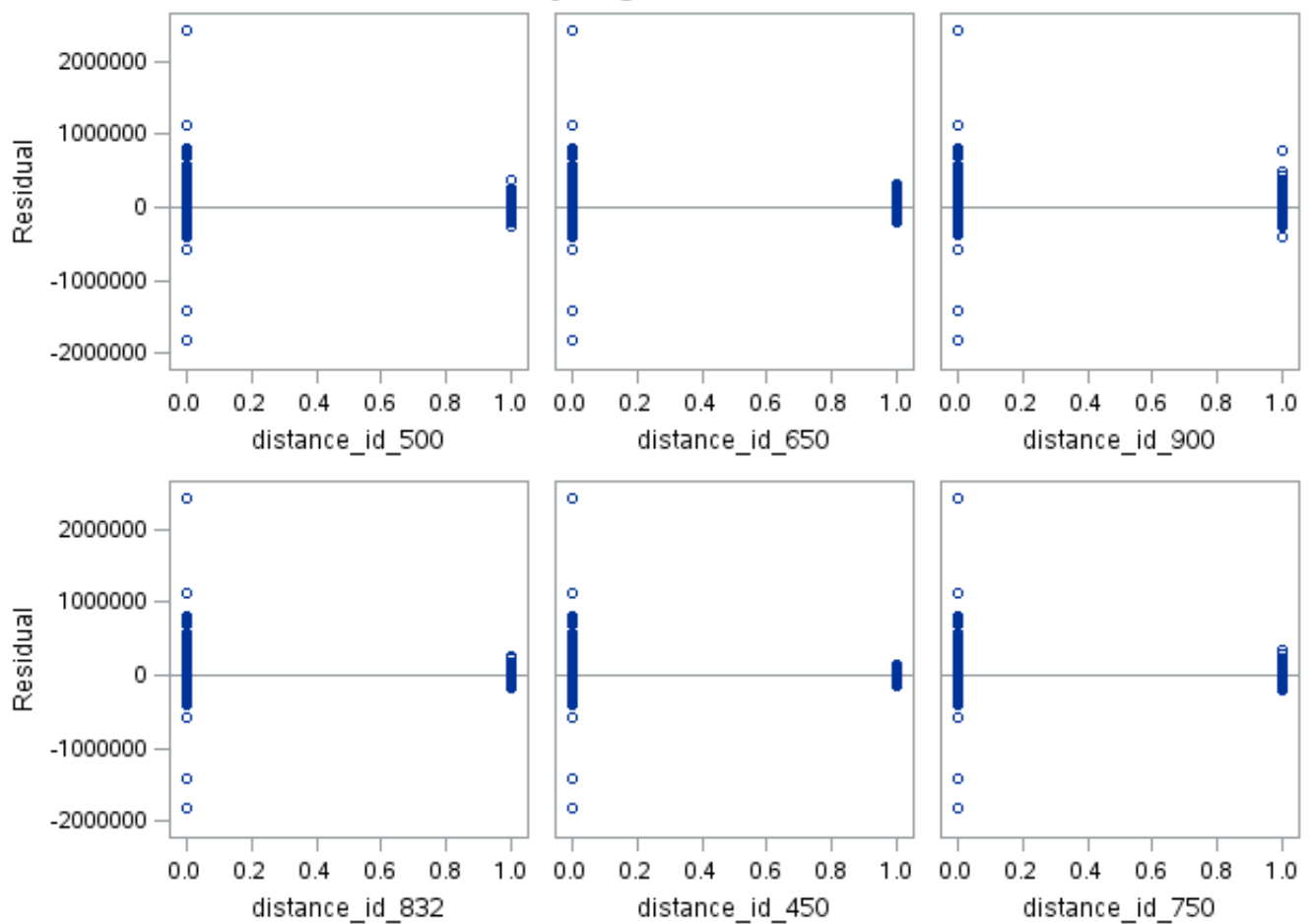
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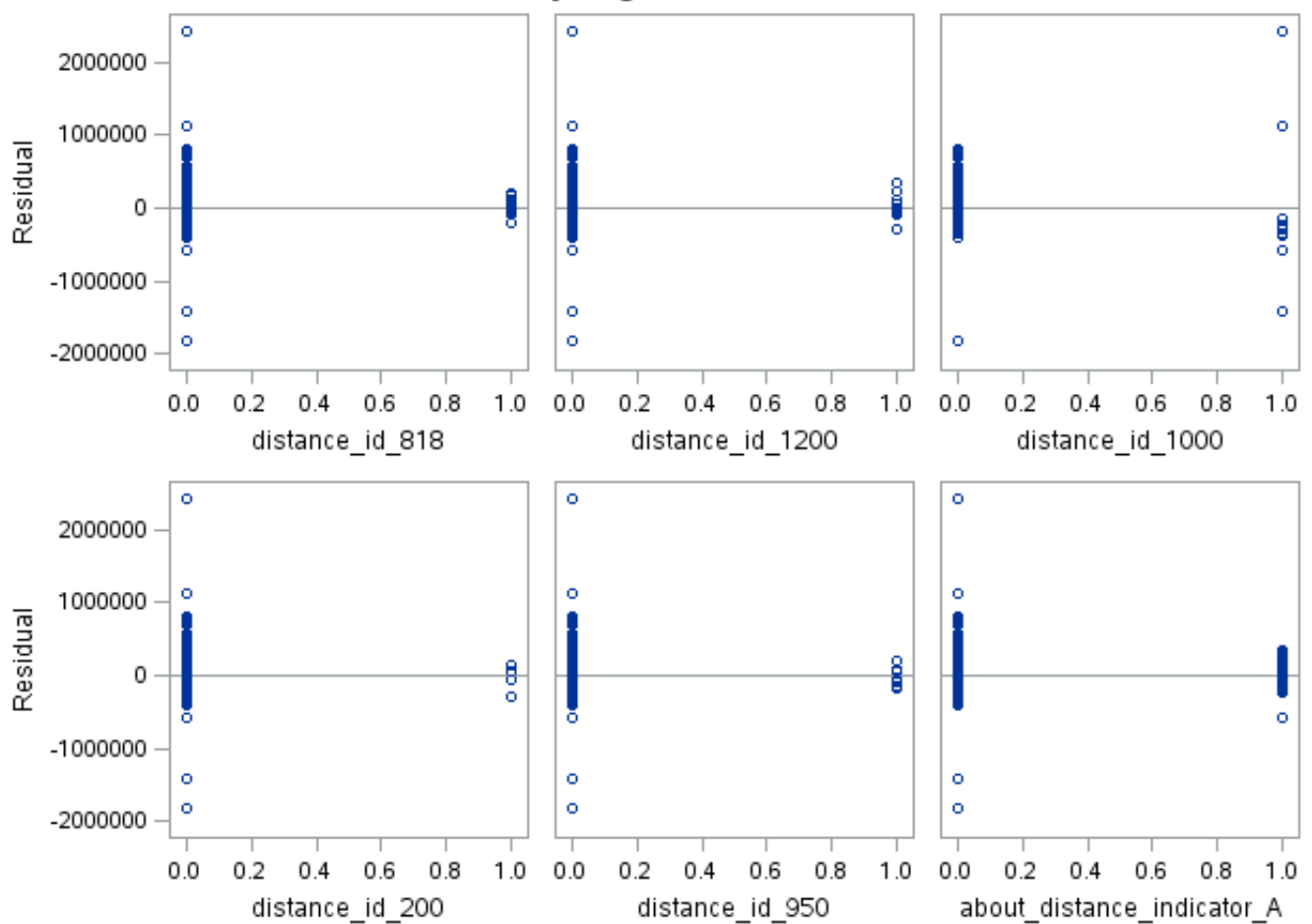
**Residual by Regressors for handle**



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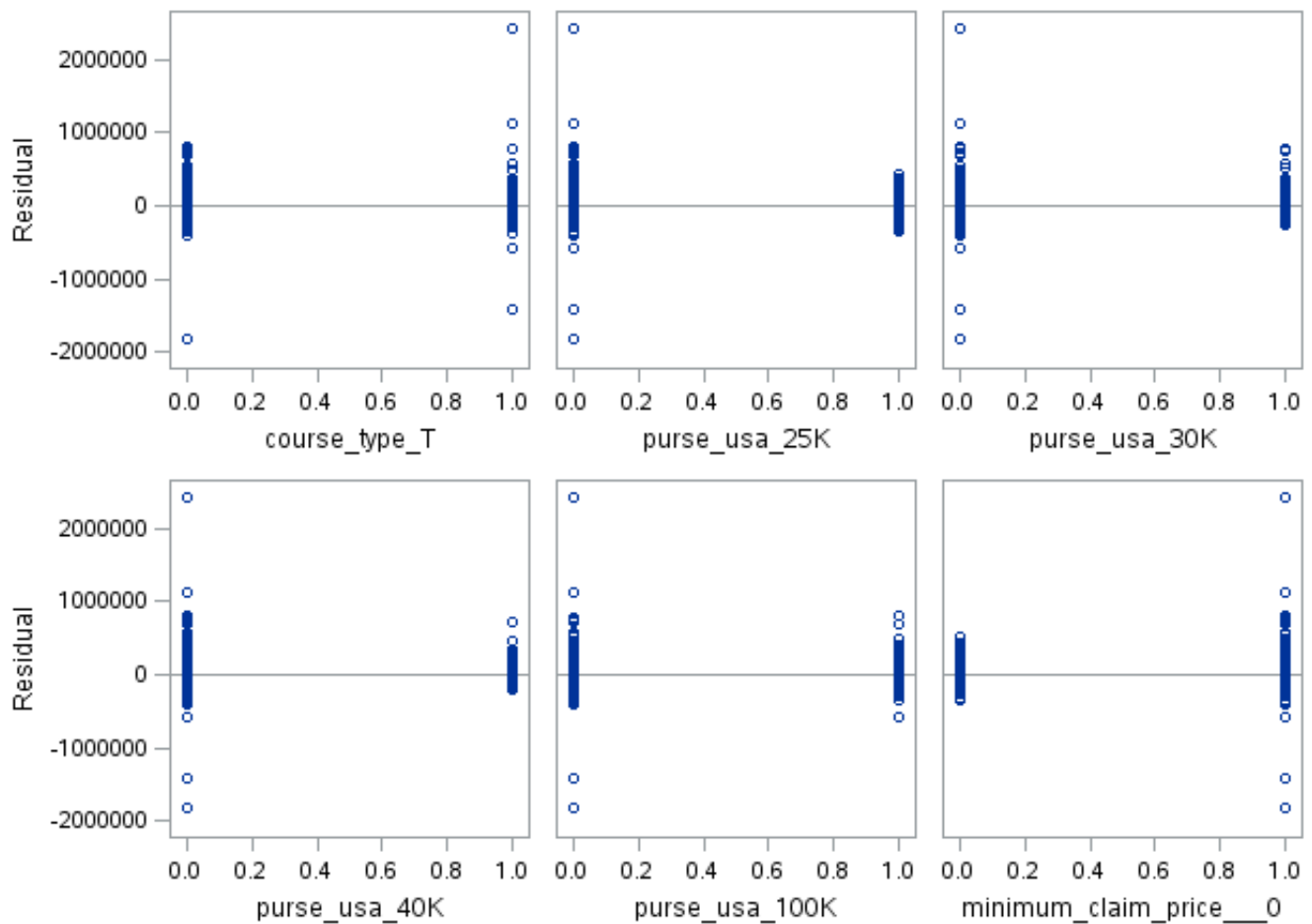


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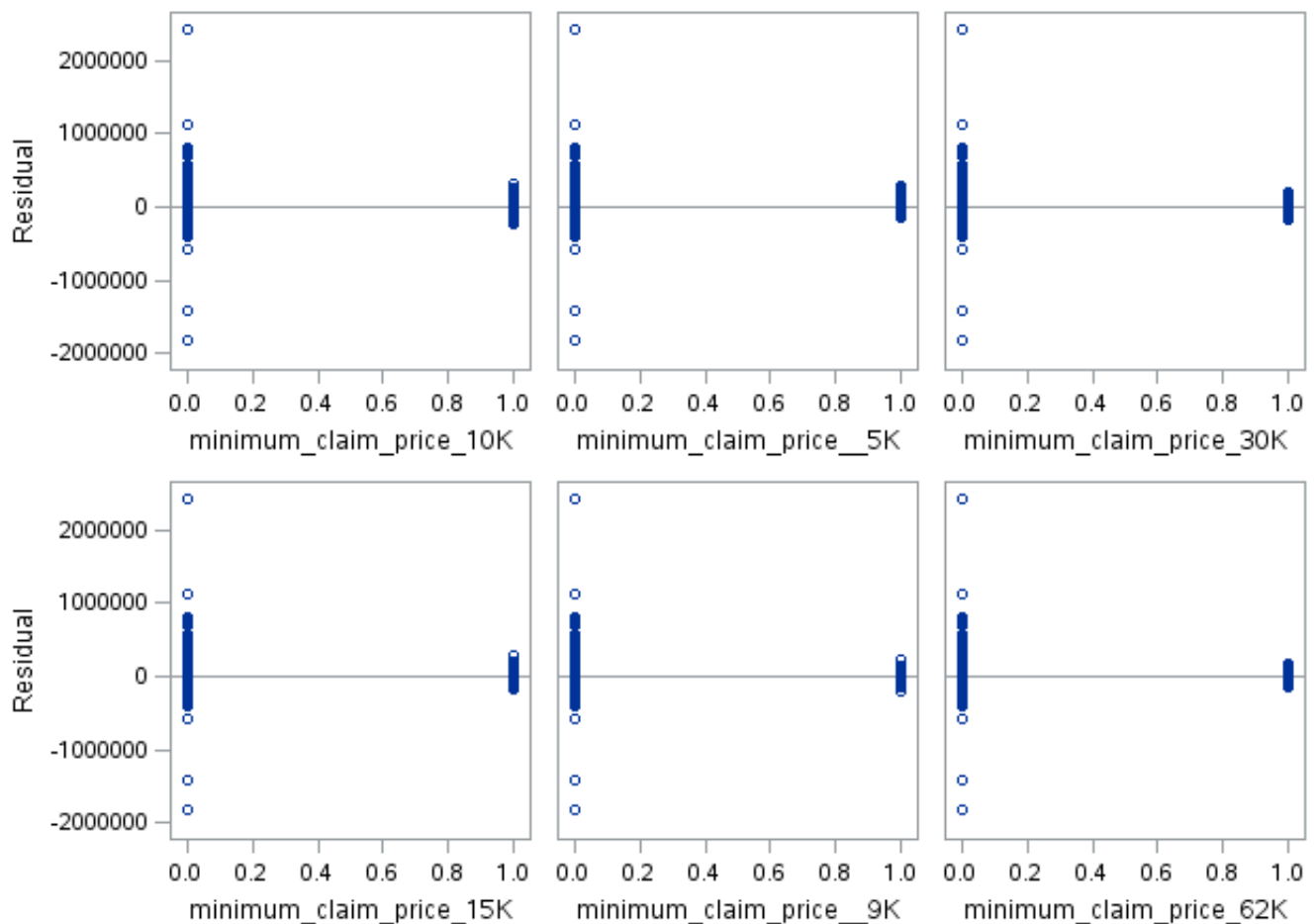




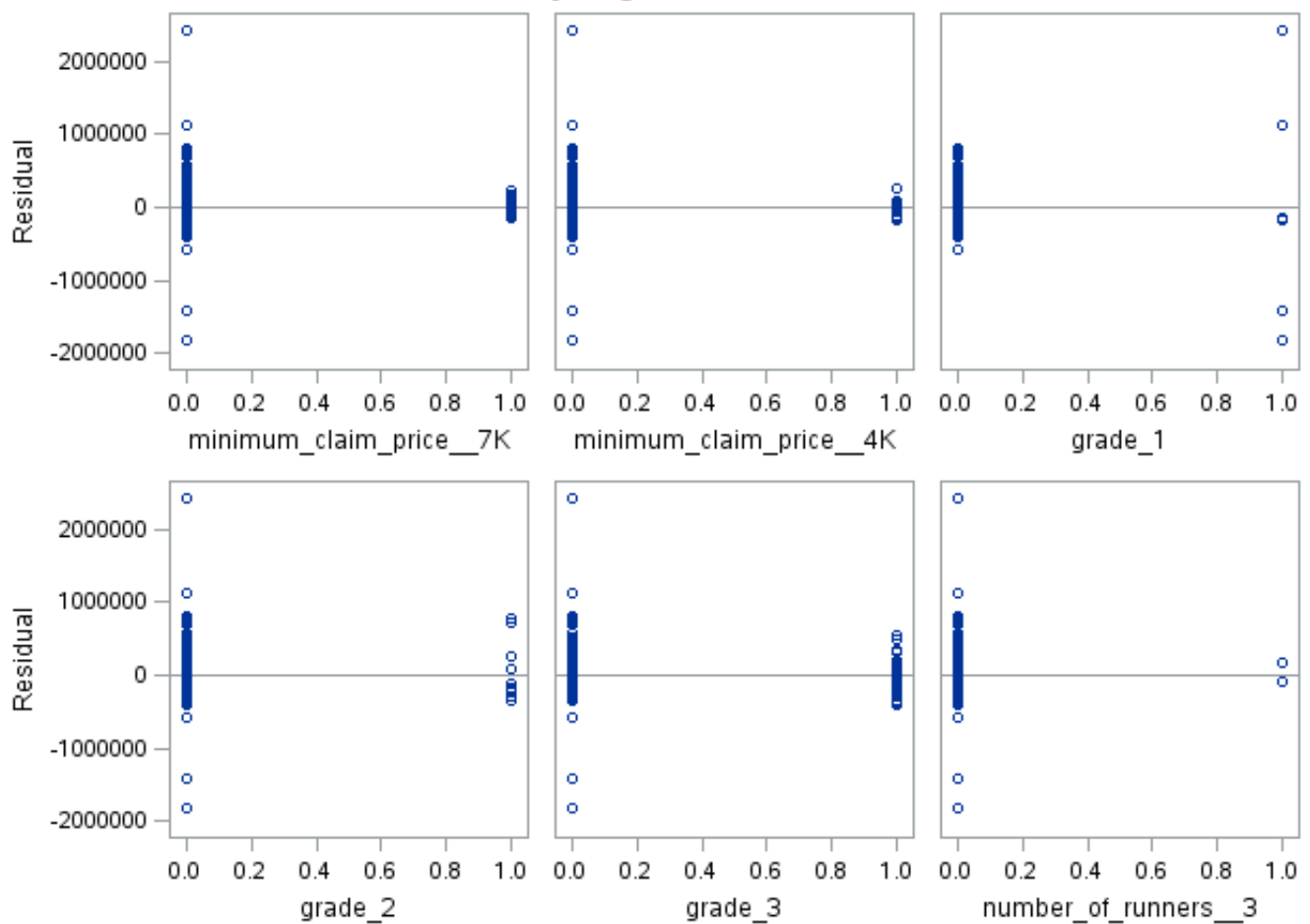
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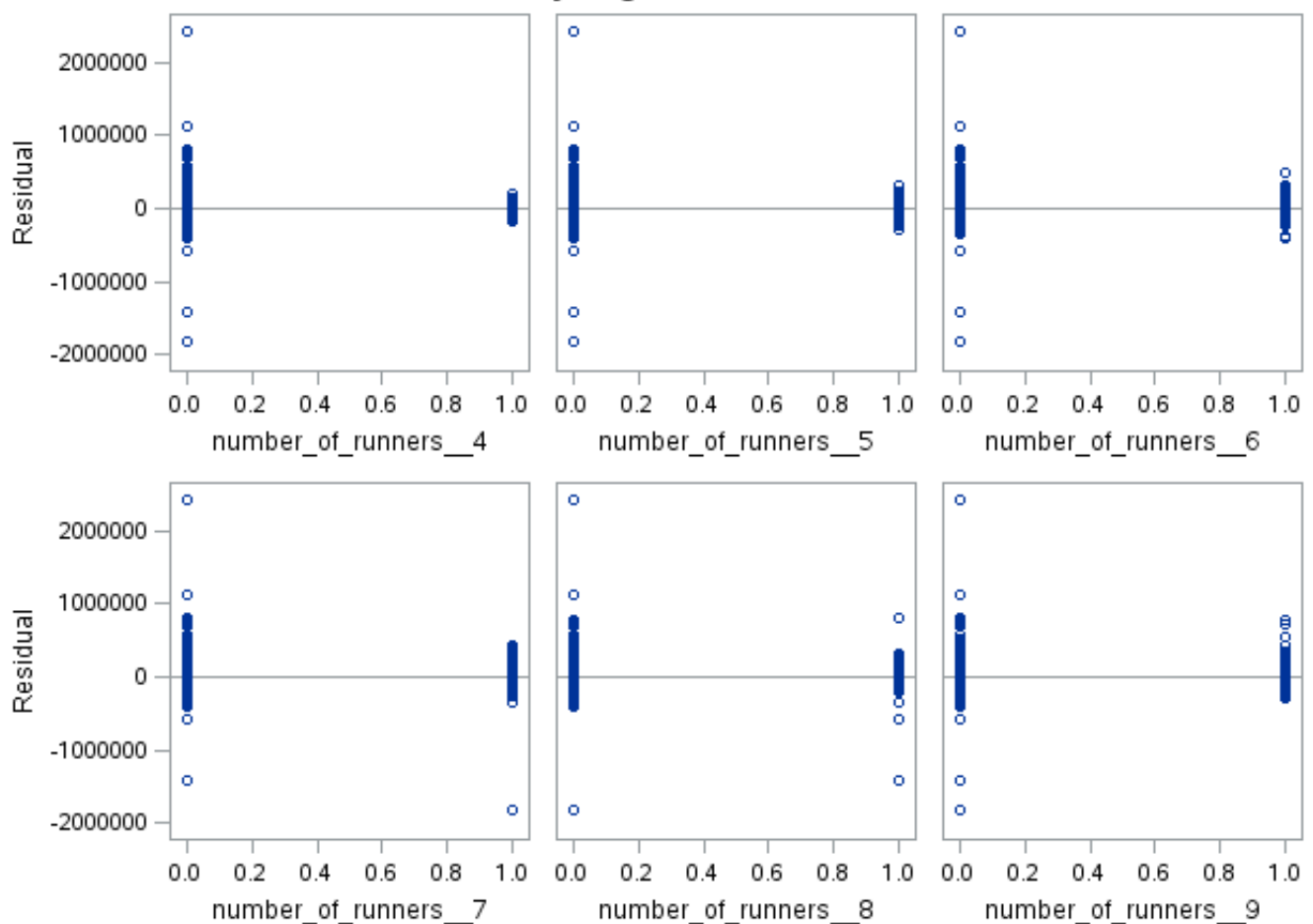
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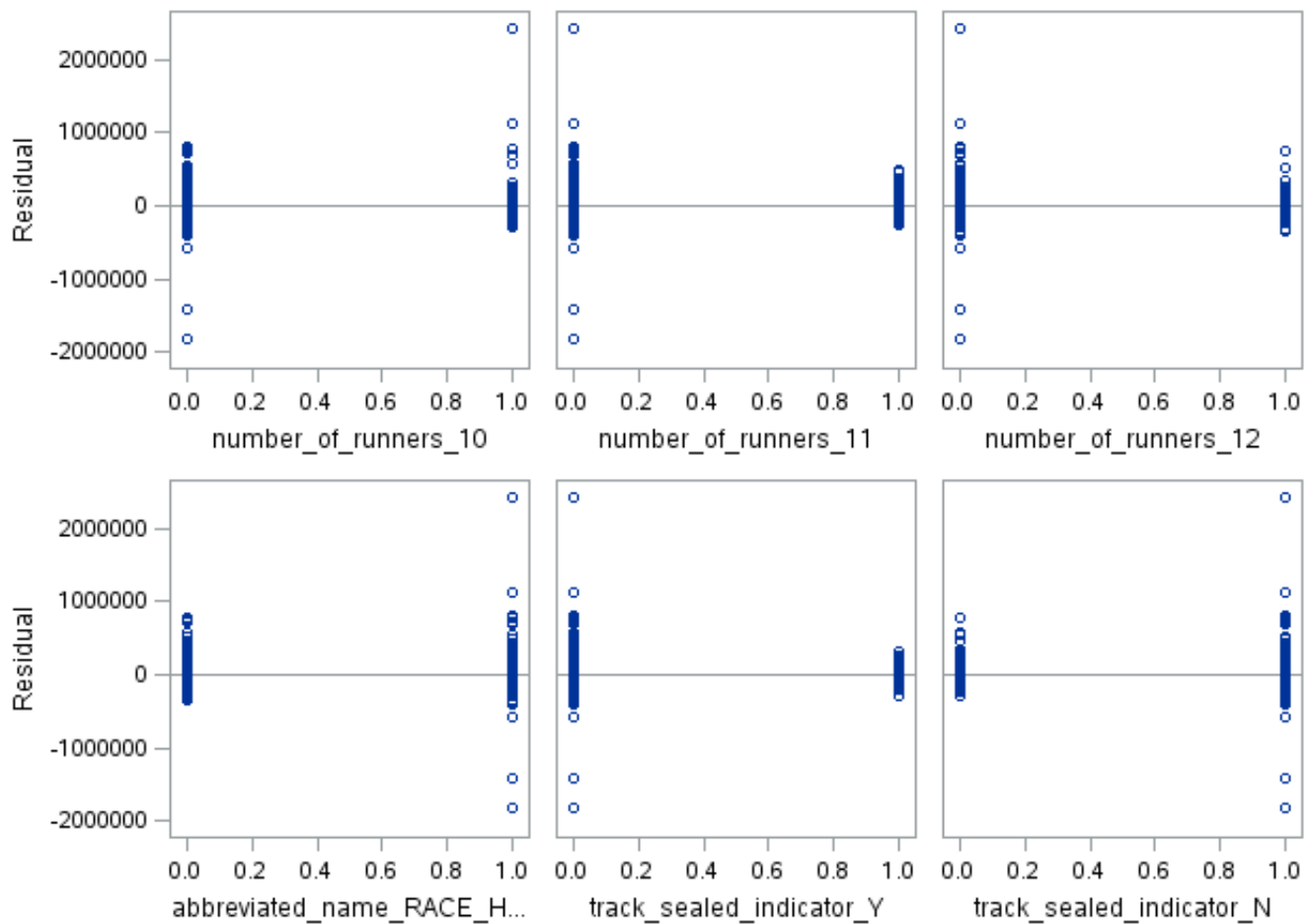
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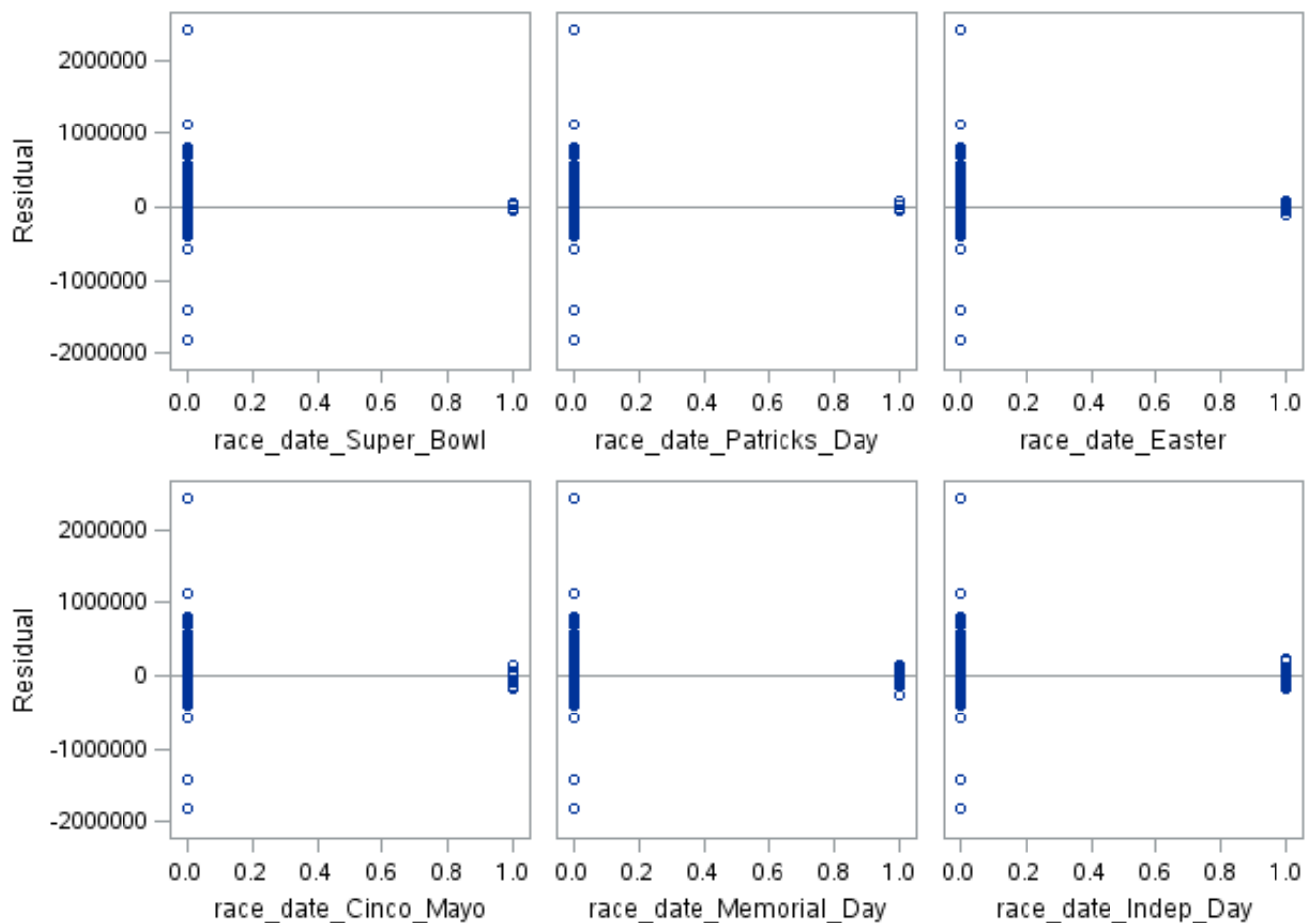
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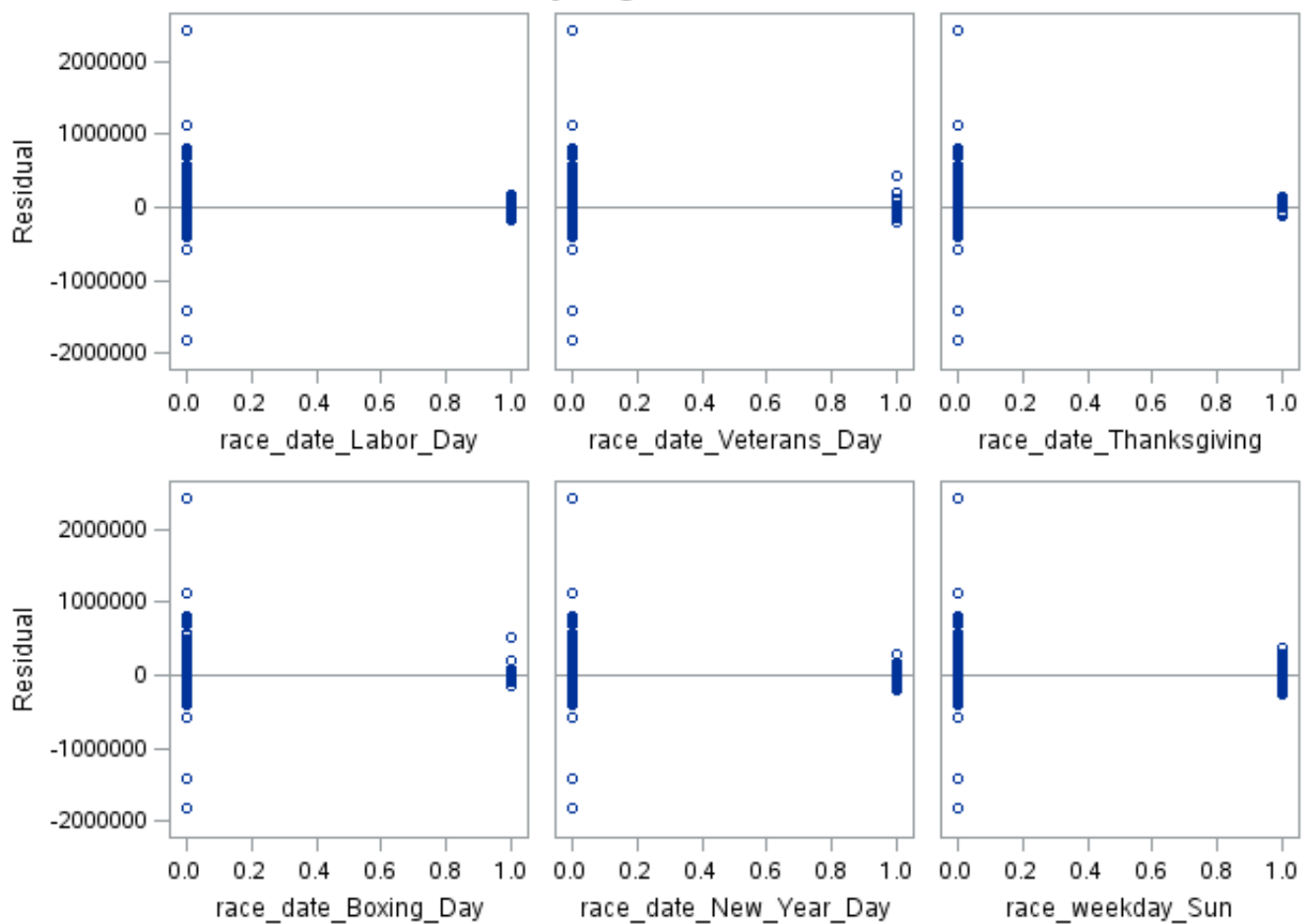
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