

## 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	104	1.344035E14	1.292342E12	97.07	<.0001
Error	4280	5.698282E13	13313742817		
Corrected Total	4384	1.913864E14			

Root MSE	115385	R-Square	0.7023
Dependent Mean	346952	Adj R-Sq	0.6950
Coeff Var	33.25678		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	833612	126065	6.61	<.0001
track_id_AP	1	57139	9382.92781	6.09	<.0001
track_id_CRC	1	-96127	9339.60370	-10.29	<.0001
race_number_2	1	60976	8035.59870	7.59	<.0001
race_number_3	1	66859	7975.98199	8.38	<.0001
race_number_4	1	72355	8380.43171	8.63	<.0001
race_number_5	1	92519	8307.11461	11.14	<.0001
race_number_6	1	98919	8370.61462	11.82	<.0001
race_number_7	1	99508	8576.36588	11.60	<.0001
race_number_8	1	80021	8696.27402	9.20	<.0001
race_number_9	1	127743	8542.34439	14.95	<.0001
race_number_10	1	123391	9600.04682	12.85	<.0001
race_number_11	1	122401	12077	10.14	<.0001
race_number_12	1	127749	15826	8.07	<.0001
race_number_13	1	75664	20822	3.63	0.0003
race_type_CLM	1	-39529	36781	-1.07	0.2826
race_type_MCL	1	-37653	37645	-1.00	0.3173
race_type_MSW	1	31205	15020	2.08	0.0378
race_type_AOC	1	-43564	37324	-1.17	0.2432
race_type_ALW	1	16739	14056	1.19	0.2338
race_type_STK	1	241996	56626	4.27	<.0001
race_type_CAN	1	-908318	68554	-13.25	<.0001
age_restriction_3U	1	-71544	58874	-1.22	0.2244
age_restriction_02	1	-63856	58554	-1.09	0.2755
age_restriction_34	1	-83953	58570	-1.43	0.1518
age_restriction_03	1	-63968	58726	-1.09	0.2761
age_restriction_35	1	-69837	60959	-1.15	0.2520
age_restriction_45	1	-85692	63109	-1.36	0.1746
age_restriction_4U	1	-45552	59782	-0.76	0.4461
sex_restriction_B	1	-13269	4885.97834	-2.72	0.0066
sex_restriction_F	1	-11562	5379.32652	-2.15	0.0317
stakes_indicator_N	1	-67953	93336	-0.73	0.4666

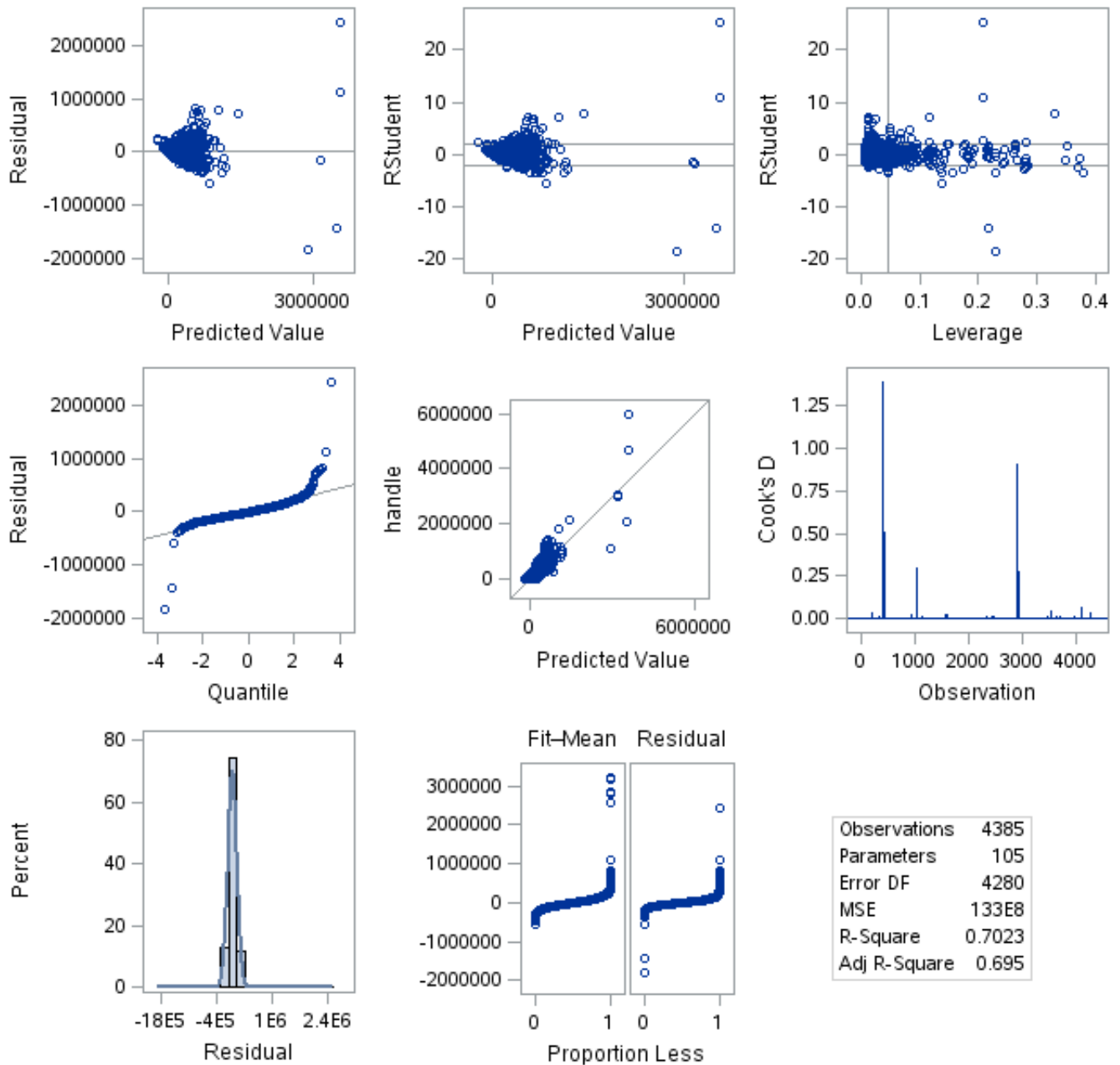
distance_id_600	1	281579	47000	5.99	<.0001
distance_id_800	1	273859	46965	5.83	<.0001
distance_id_850	1	271517	46996	5.78	<.0001
distance_id_550	1	284554	47279	6.02	<.0001
distance_id_700	1	279382	47364	5.90	<.0001
distance_id_500	1	277950	47341	5.87	<.0001
distance_id_650	1	287955	47403	6.07	<.0001
distance_id_900	1	268397	47239	5.68	<.0001
distance_id_832	1	284542	48516	5.86	<.0001
distance_id_450	1	249312	49162	5.07	<.0001
distance_id_750	1	258823	49587	5.22	<.0001
distance_id_818	1	277184	50857	5.45	<.0001
distance_id_1200	1	295667	55440	5.33	<.0001
distance_id_1000	1	629384	60904	10.33	<.0001
distance_id_200	1	111300	71318	1.56	0.1187
distance_id_950	1	295484	59424	4.97	<.0001
about_distance_indicator_A	1	-11142	9602.10896	-1.16	0.2460
course_type_T	1	59321	7141.19371	8.31	<.0001
purse_usa_25K	1	-91070	23093	-3.94	<.0001
purse_usa_30K	1	-98355	22993	-4.28	<.0001
purse_usa_40K	1	-104784	22182	-4.72	<.0001
purse_usa_100K	1	-67513	20319	-3.32	0.0009
minimum_claim_price__0	1	-44534	35040	-1.27	0.2038
minimum_claim_price_10K	1	-20413	9165.56212	-2.23	0.0260
minimum_claim_price_16K	1	-4849.91875	9169.71868	-0.53	0.5969
minimum_claim_price_25K	1	-6419.61508	9355.84469	-0.69	0.4926
minimum_claim_price_12K	1	7306.46489	11033	0.66	0.5078
minimum_claim_price_40K	1	3735.57182	11081	0.34	0.7360
minimum_claim_price_20K	1	-5358.75062	11315	-0.47	0.6358
minimum_claim_price_50K	1	-5141.25639	14534	-0.35	0.7235
minimum_claim_price__5K	1	-34828	13118	-2.66	0.0080
minimum_claim_price_30K	1	-11079	15012	-0.74	0.4605
minimum_claim_price_15K	1	-20580	16983	-1.21	0.2257
minimum_claim_price__9K	1	-22844	18396	-1.24	0.2144
minimum_claim_price_62K	1	20947	21206	0.99	0.3233
minimum_claim_price__7K	1	-21310	19863	-1.07	0.2834
minimum_claim_price__6K	1	-10043	22455	-0.45	0.6547
minimum_claim_price_17K	1	-16350	23987	-0.68	0.4955
minimum_claim_price__4K	1	-51230	26877	-1.91	0.0567
grade_1	1	2431357	56861	42.76	<.0001
grade_2	1	352476	40675	8.67	<.0001
grade_3	1	152863	23052	6.63	<.0001
number_of_runners__3	1	-882750	91236	-9.68	<.0001
number_of_runners__4	1	-754739	63709	-11.85	<.0001
number_of_runners__5	1	-683942	61089	-11.20	<.0001
number_of_runners__6	1	-628417	60769	-10.34	<.0001
number_of_runners__7	1	-594053	60744	-9.78	<.0001
number_of_runners__8	1	-568203	60753	-9.35	<.0001
number_of_runners__9	1	-529224	60840	-8.70	<.0001
number_of_runners_10	1	-507896	60858	-8.35	<.0001
number_of_runners_11	1	-486153	61152	-7.95	<.0001

number_of_runners_12	1	-473016	61261	-7.72	<.0001
abbreviated_name_RACE_HAS	1	-260774	68145	-3.83	0.0001
track_sealed_indicator_Y	1	-39419	8776.39340	-4.49	<.0001
track_sealed_indicator_N	1	-10628	6707.75890	-1.58	0.1132
race_date_Super_Bowl	1	-88507	47919	-1.85	0.0648
race_date_Patricks_Day	1	-90008	52868	-1.70	0.0887
race_date_Good_Friday	1	7798.19258	37502	0.21	0.8353
race_date_Easter	1	-36375	37417	-0.97	0.3310
race_date_Cinco_Mayo	1	33342	33741	0.99	0.3231
race_date_Memorial_Day	1	-53679	21865	-2.46	0.0141
race_date_Indep_Day	1	-22444	20421	-1.10	0.2718
race_date_Labor_Day	1	22741	21406	1.06	0.2881
race_date_Veterans_Day	1	29883	23211	1.29	0.1980
race_date_Thanksgiving	1	-86322	24503	-3.52	0.0004
race_date_Boxing_Day	1	249487	28053	8.89	<.0001
race_date_New_Year_Day	1	88349	24638	3.59	0.0003
race_weekday_Sun	1	11871	9091.57359	1.31	0.1917
race_weekday_Mon	1	31582	9398.27336	3.36	0.0008
race_weekday_Wed	1	30676	11526	2.66	0.0078
race_weekday_Thu	1	14897	9730.95112	1.53	0.1259
race_weekday_Fri	1	54610	9083.87652	6.01	<.0001
race_weekday_Sat	1	88473	9150.76768	9.67	<.0001

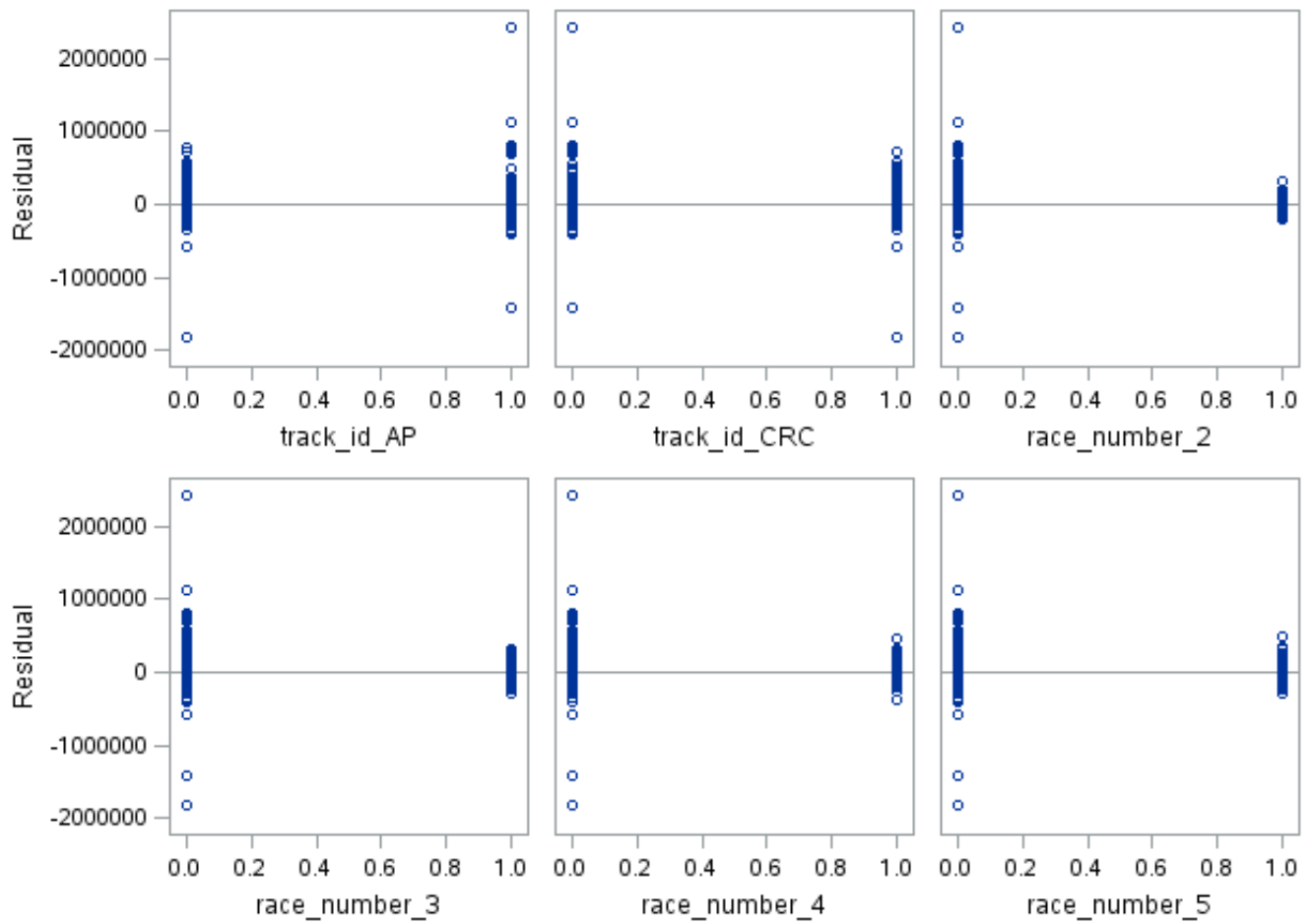
## Linear Model using Development Dataset

The REG Procedure  
Model: MODEL1  
Dependent Variable: handle

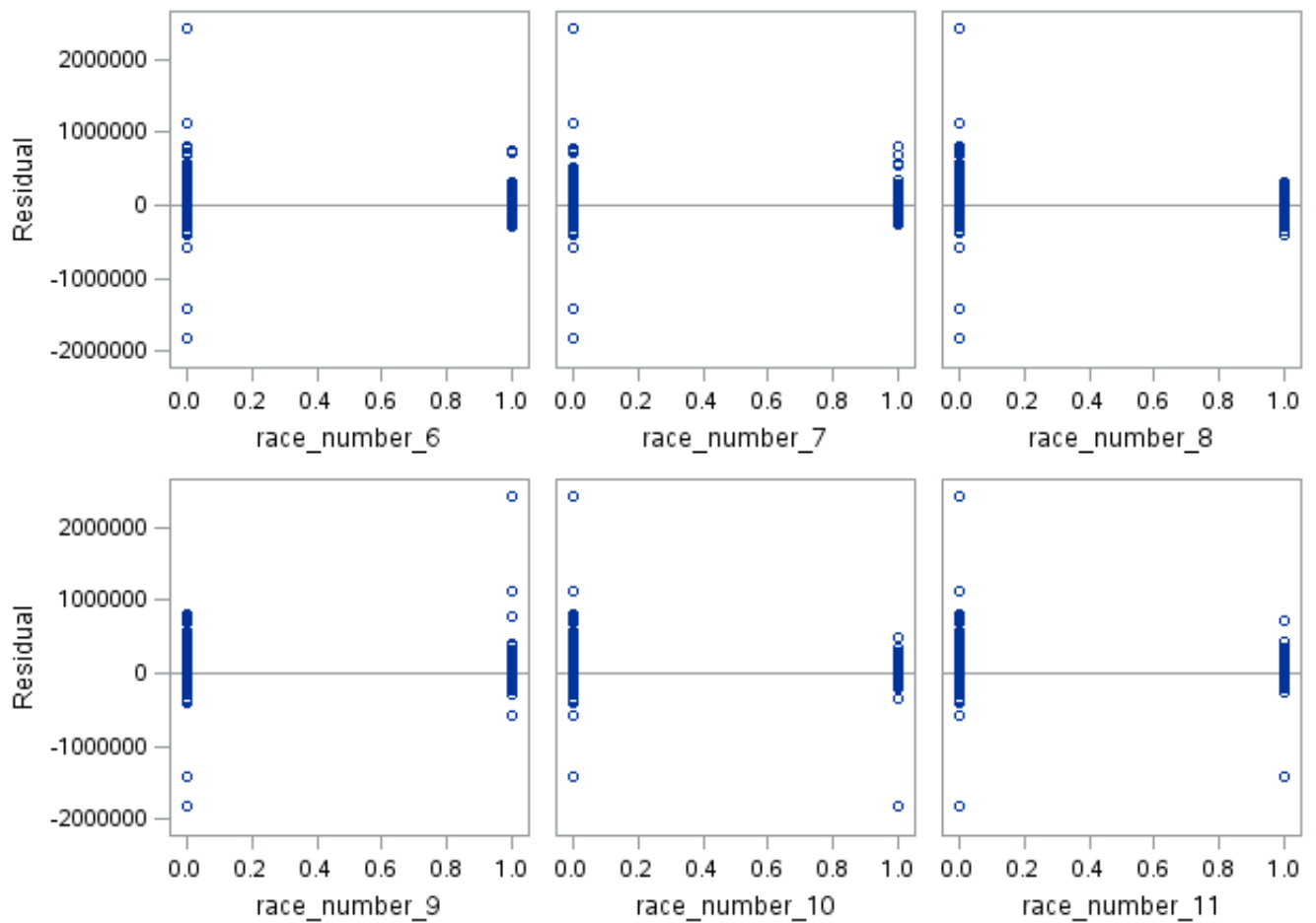
# Fit Diagnostics for handle



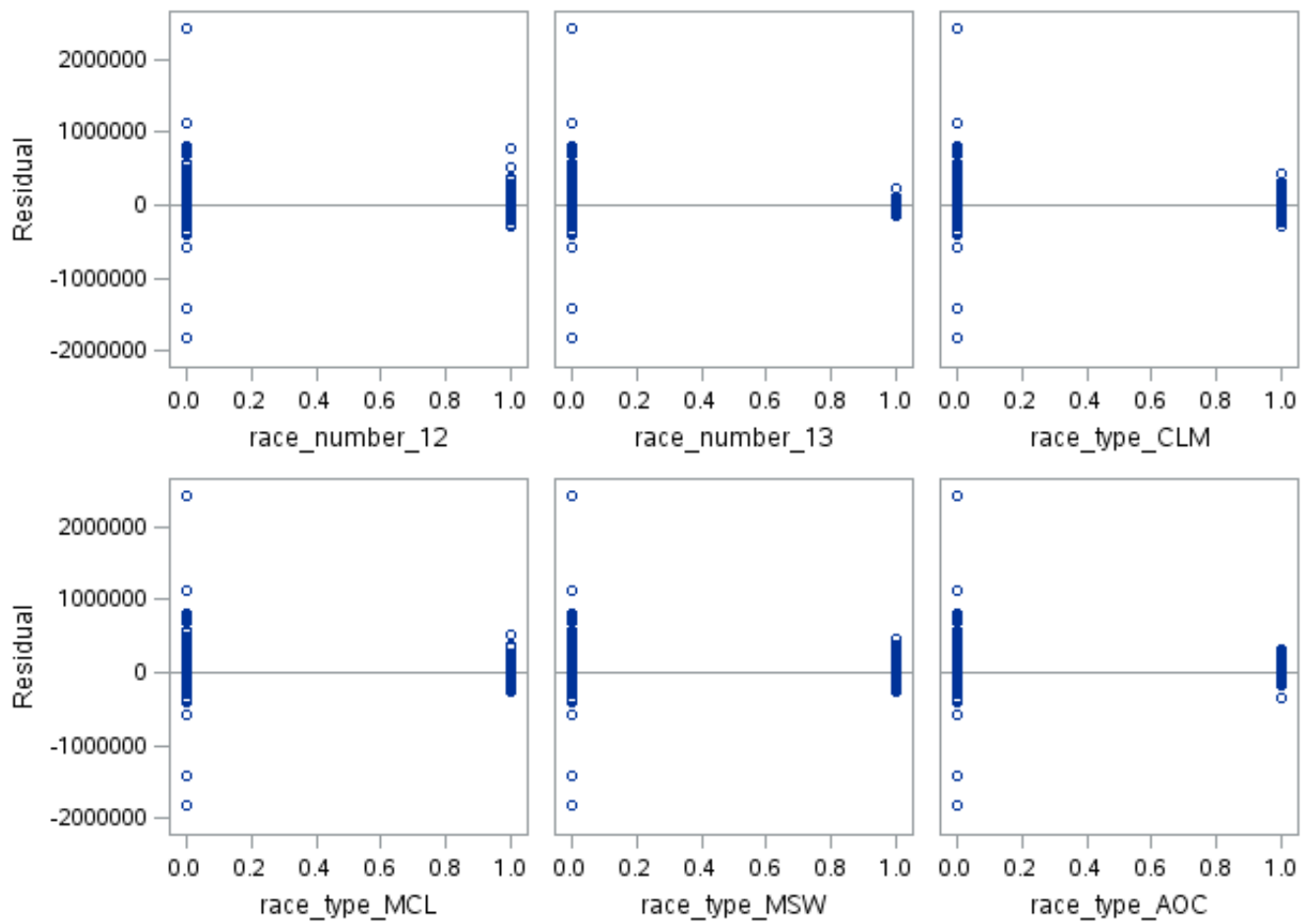
**Residual by Regressors for handle**



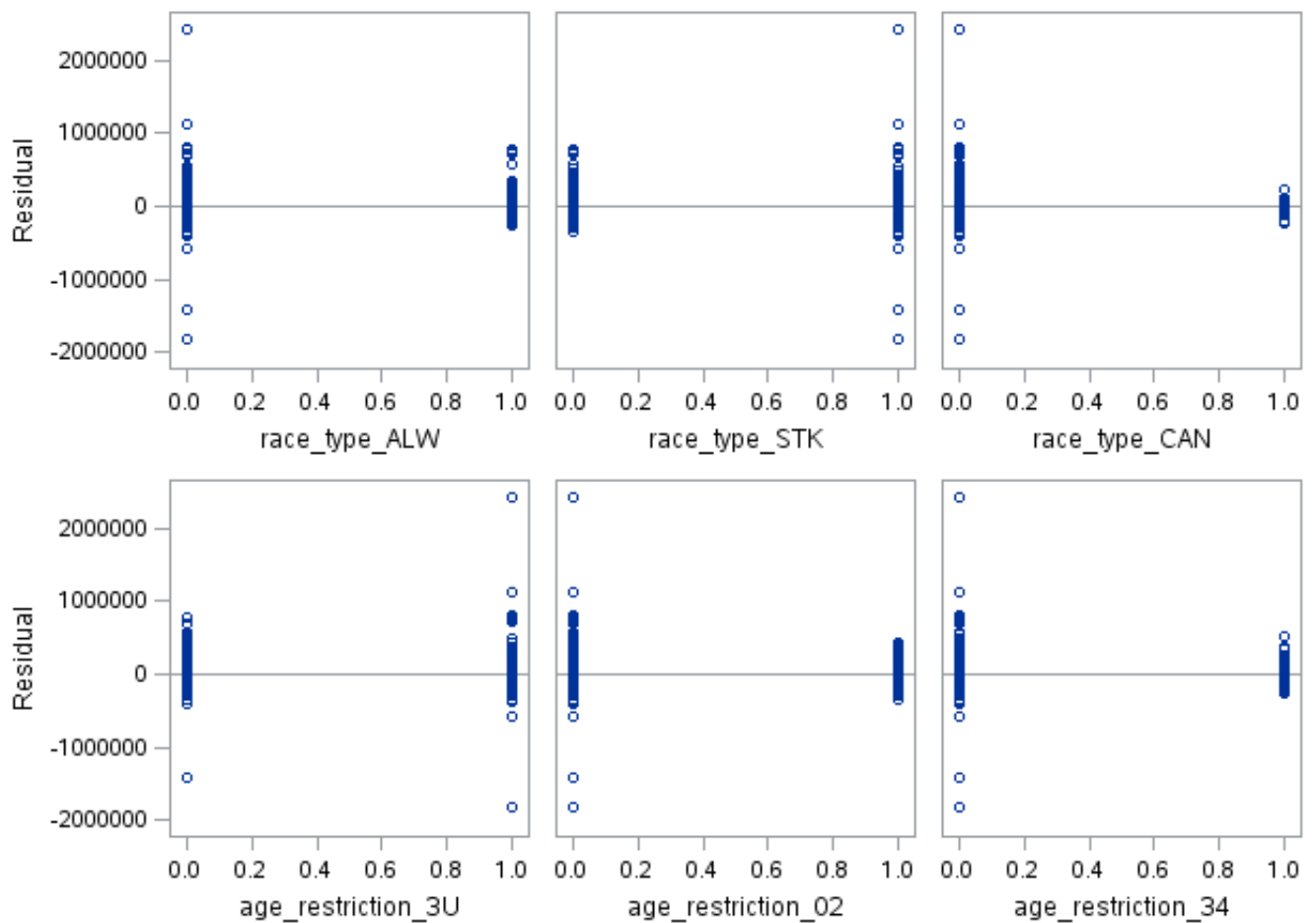
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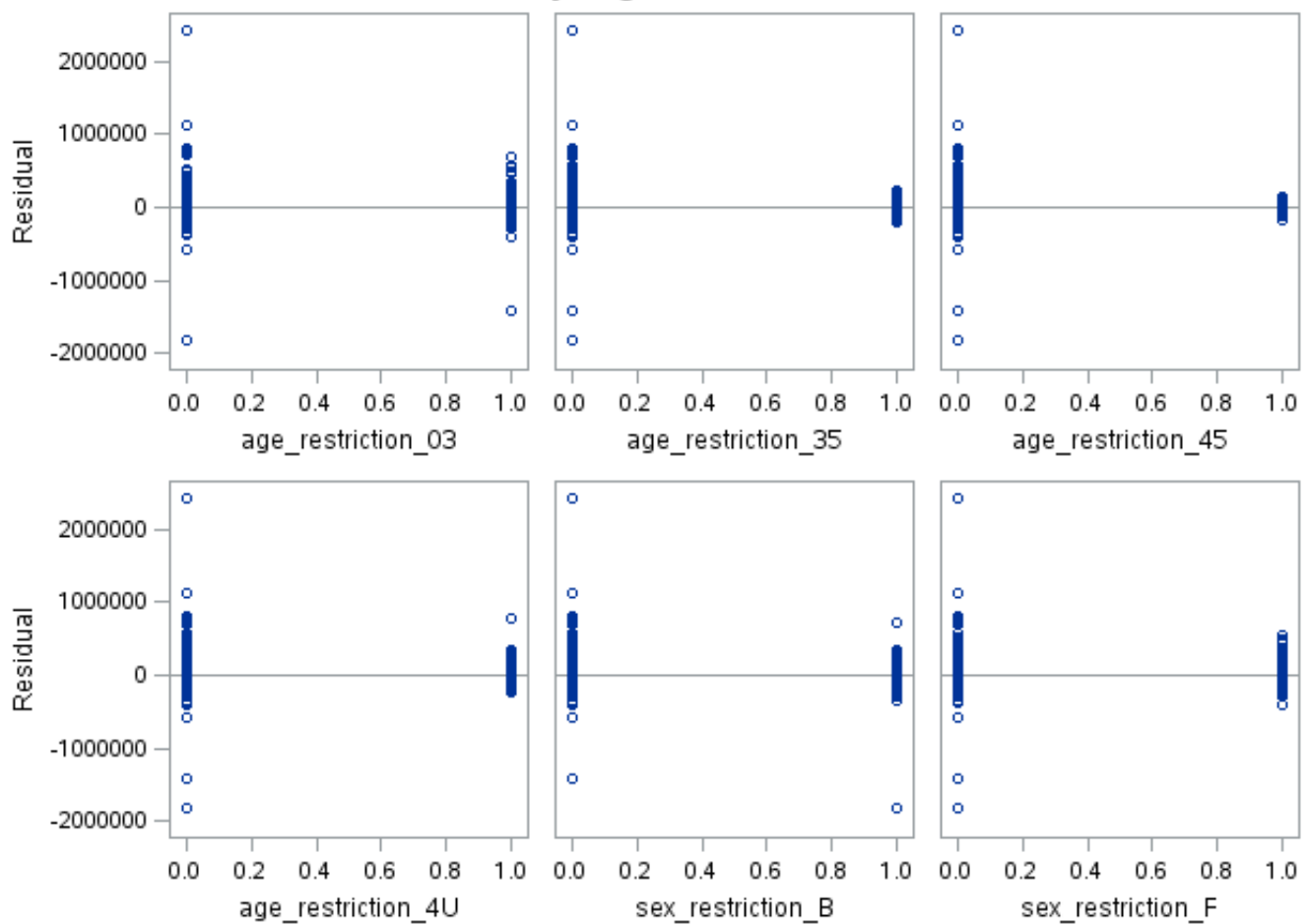
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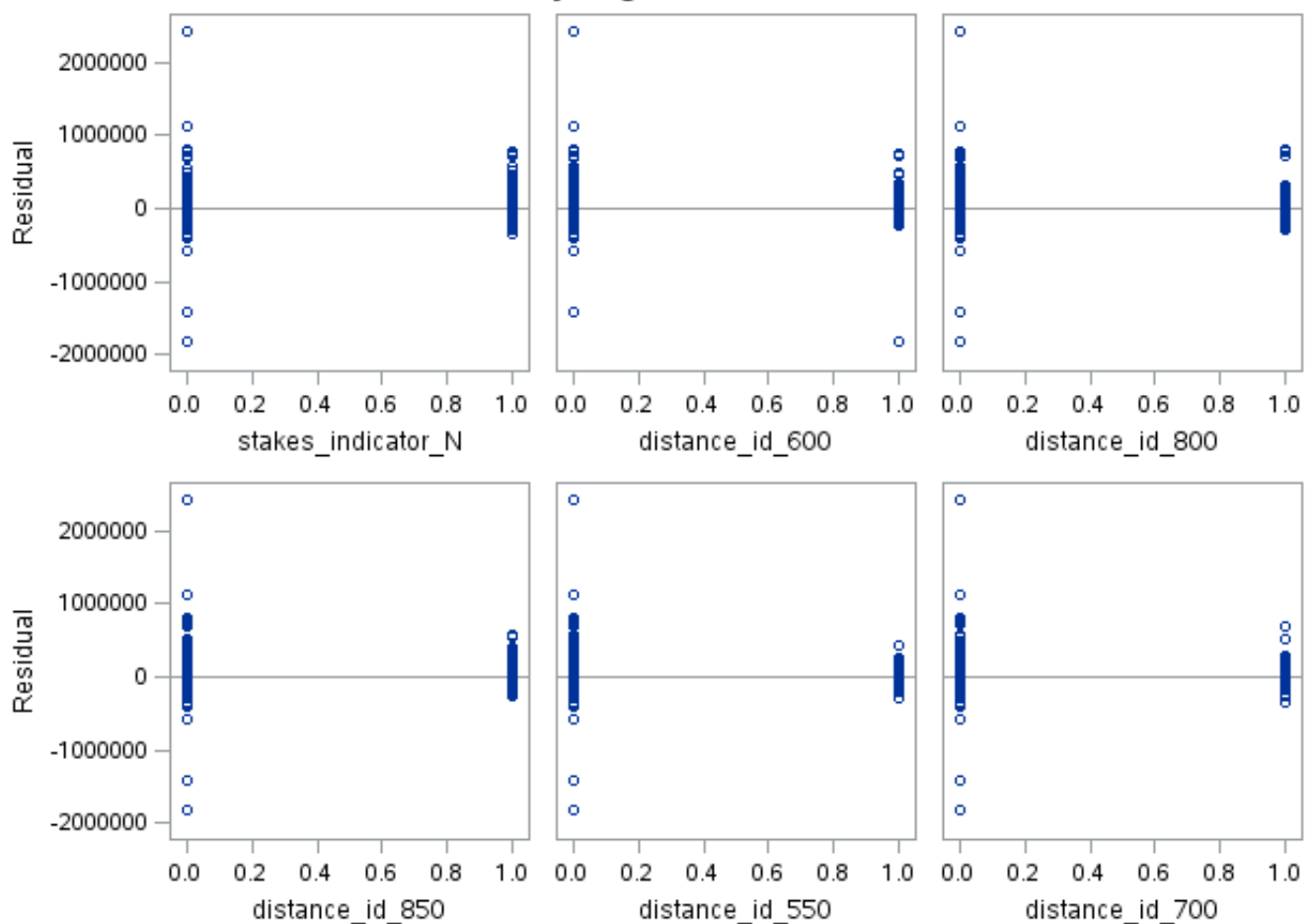
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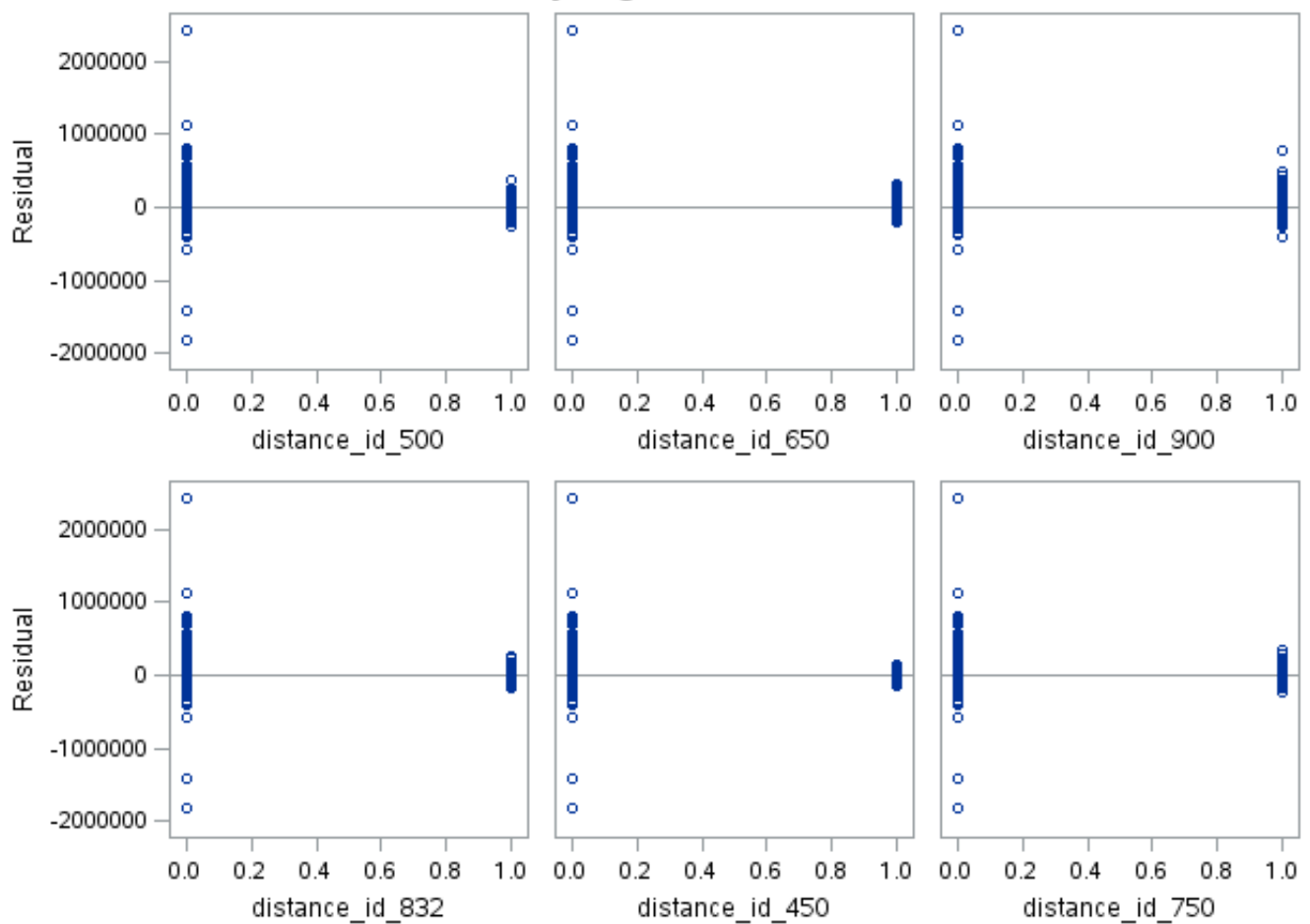
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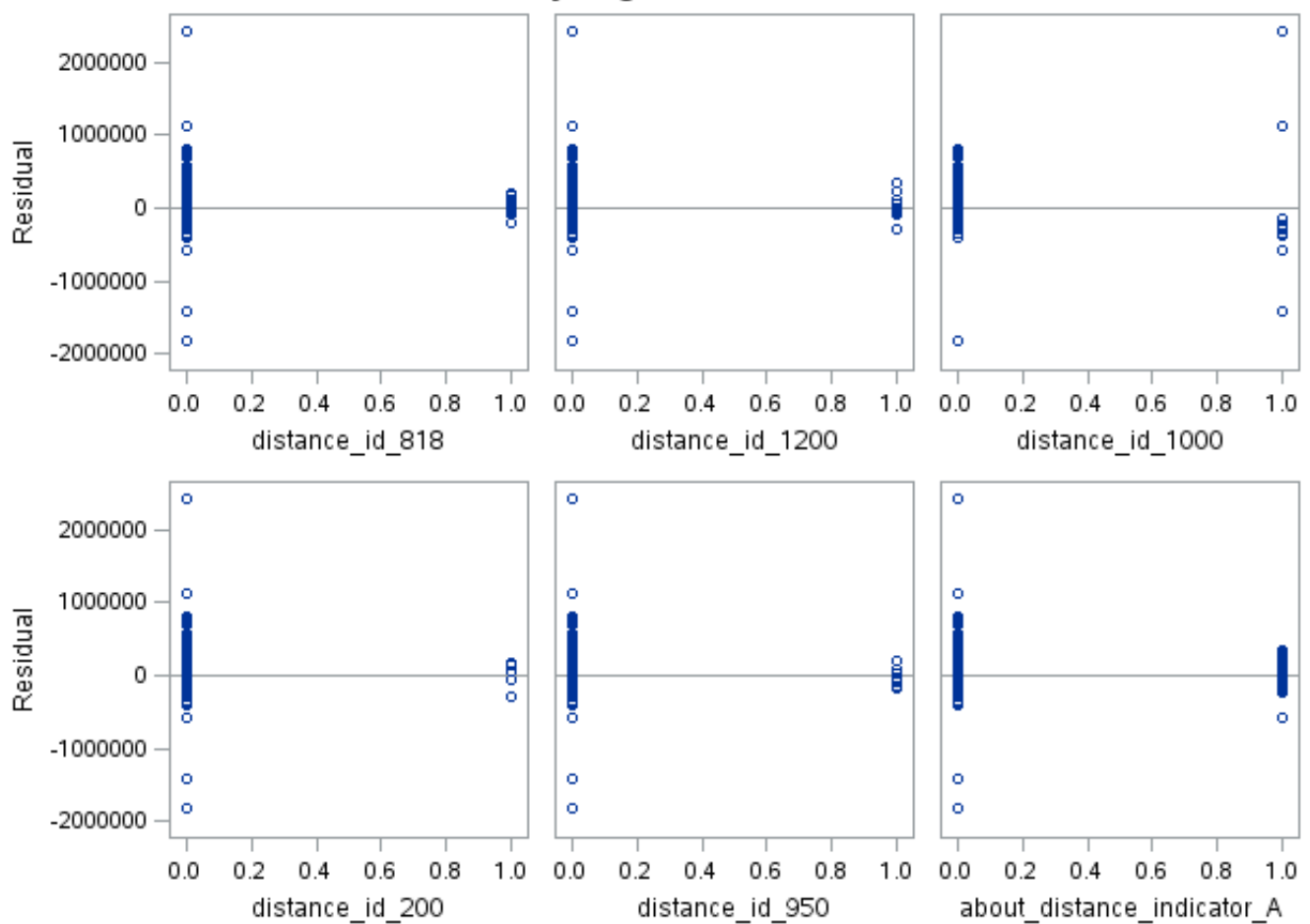
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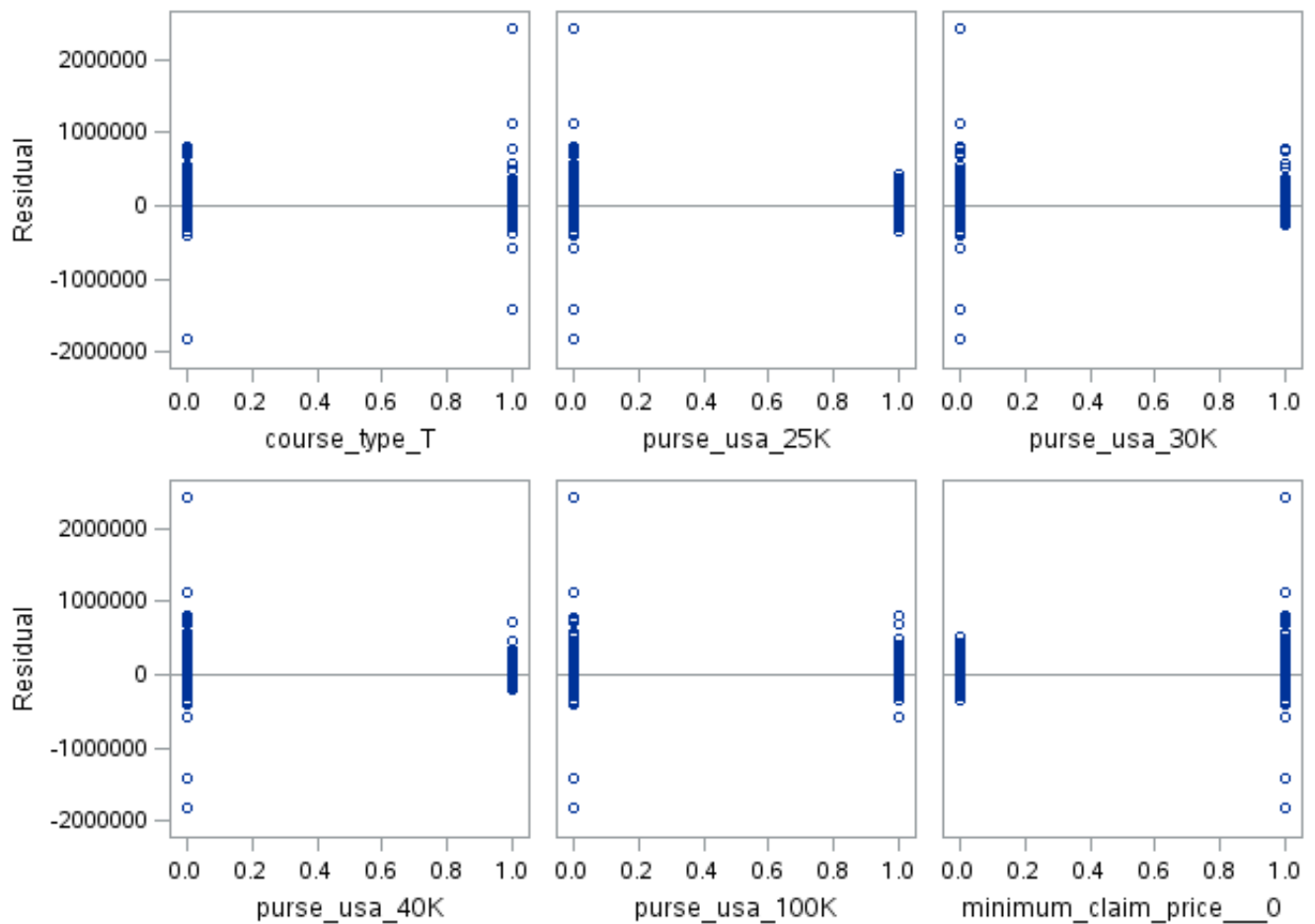


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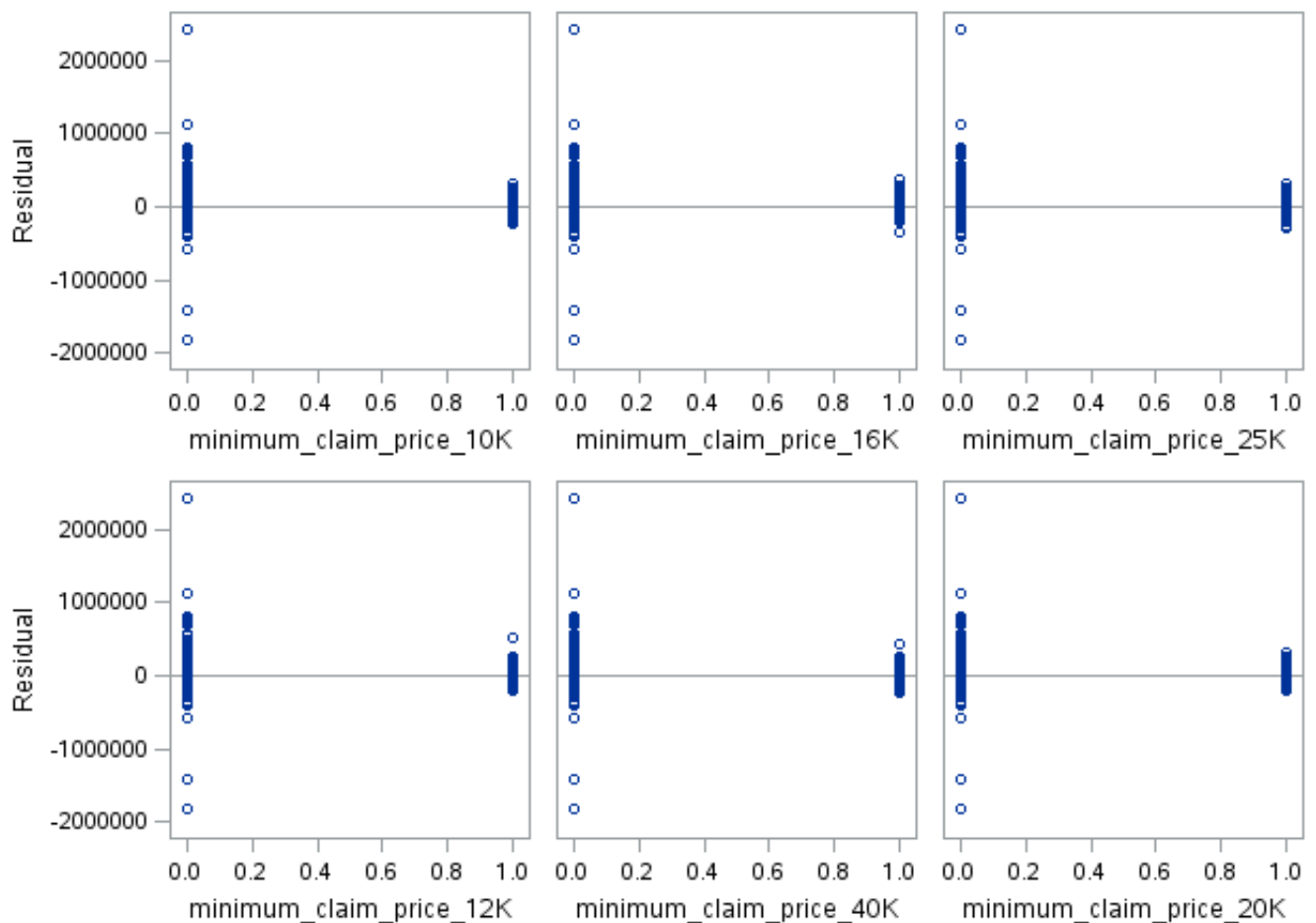




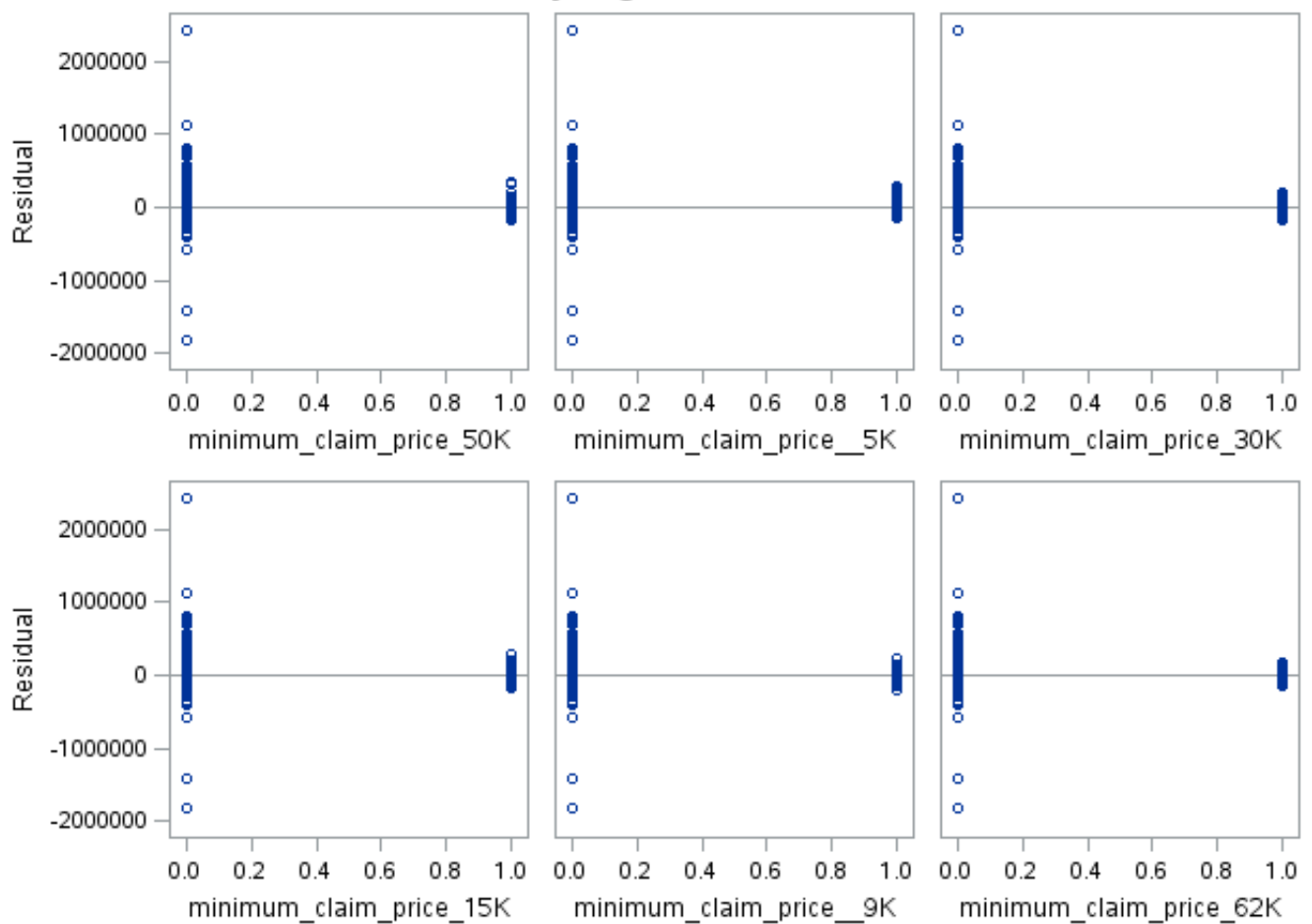
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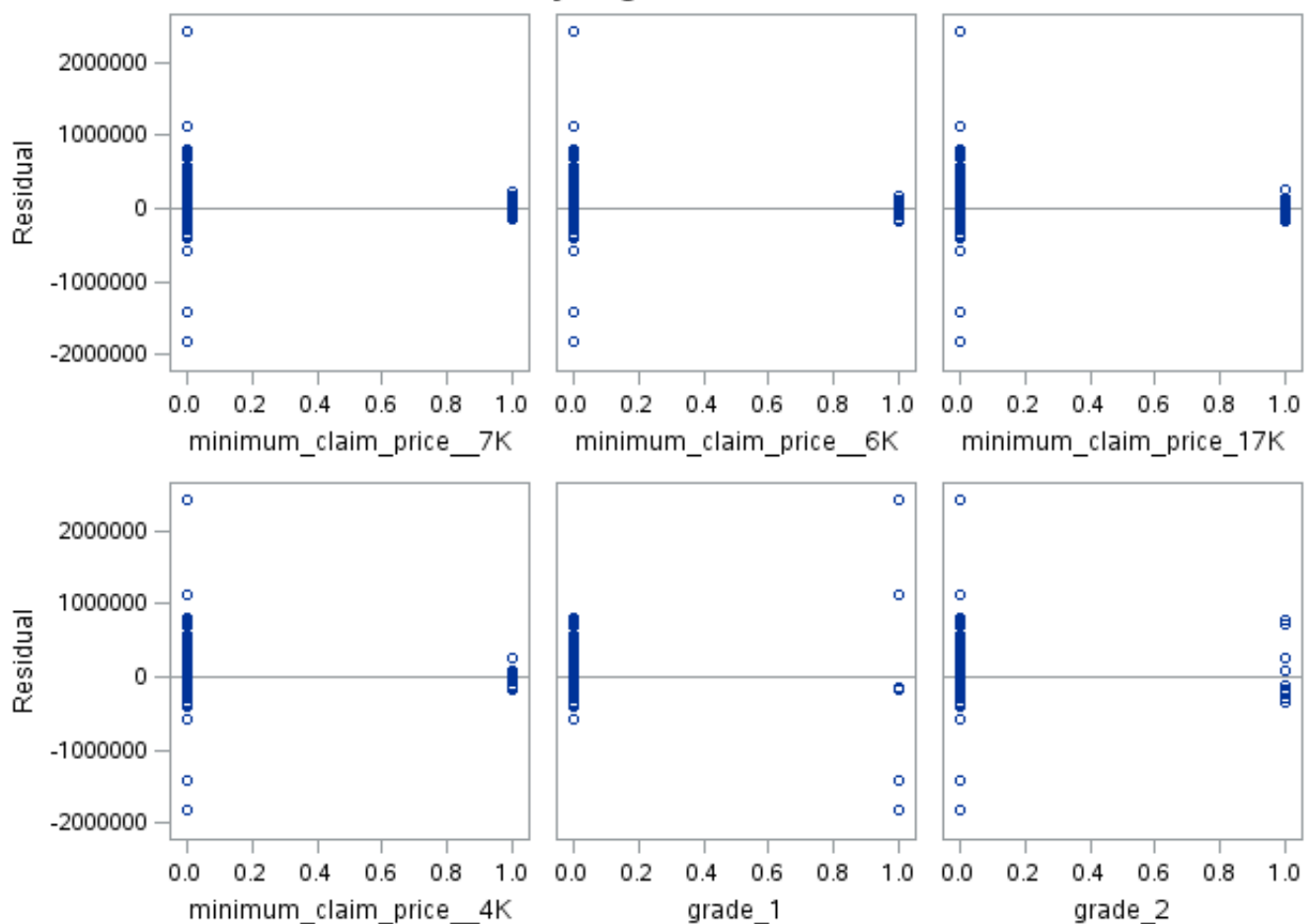
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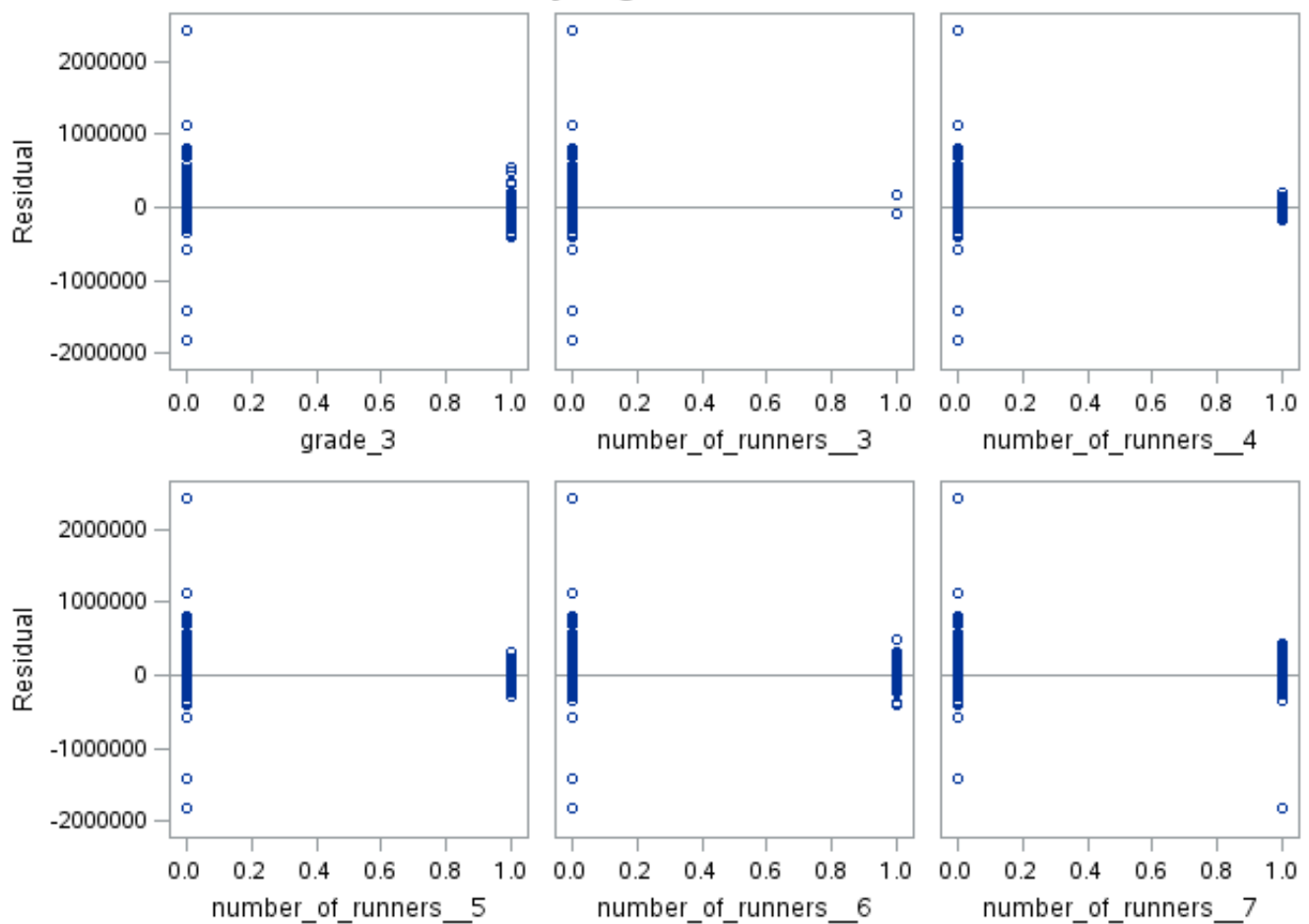
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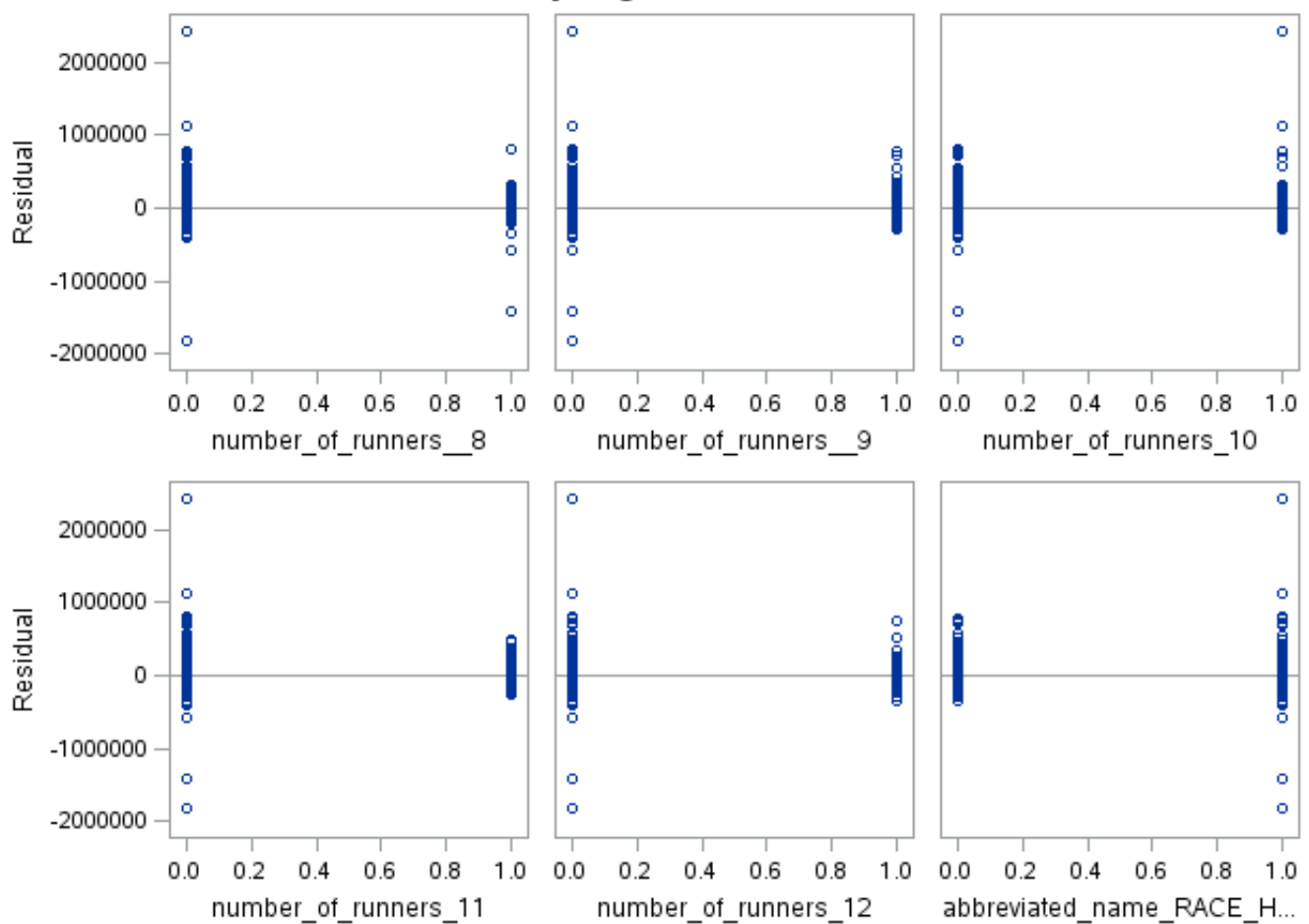
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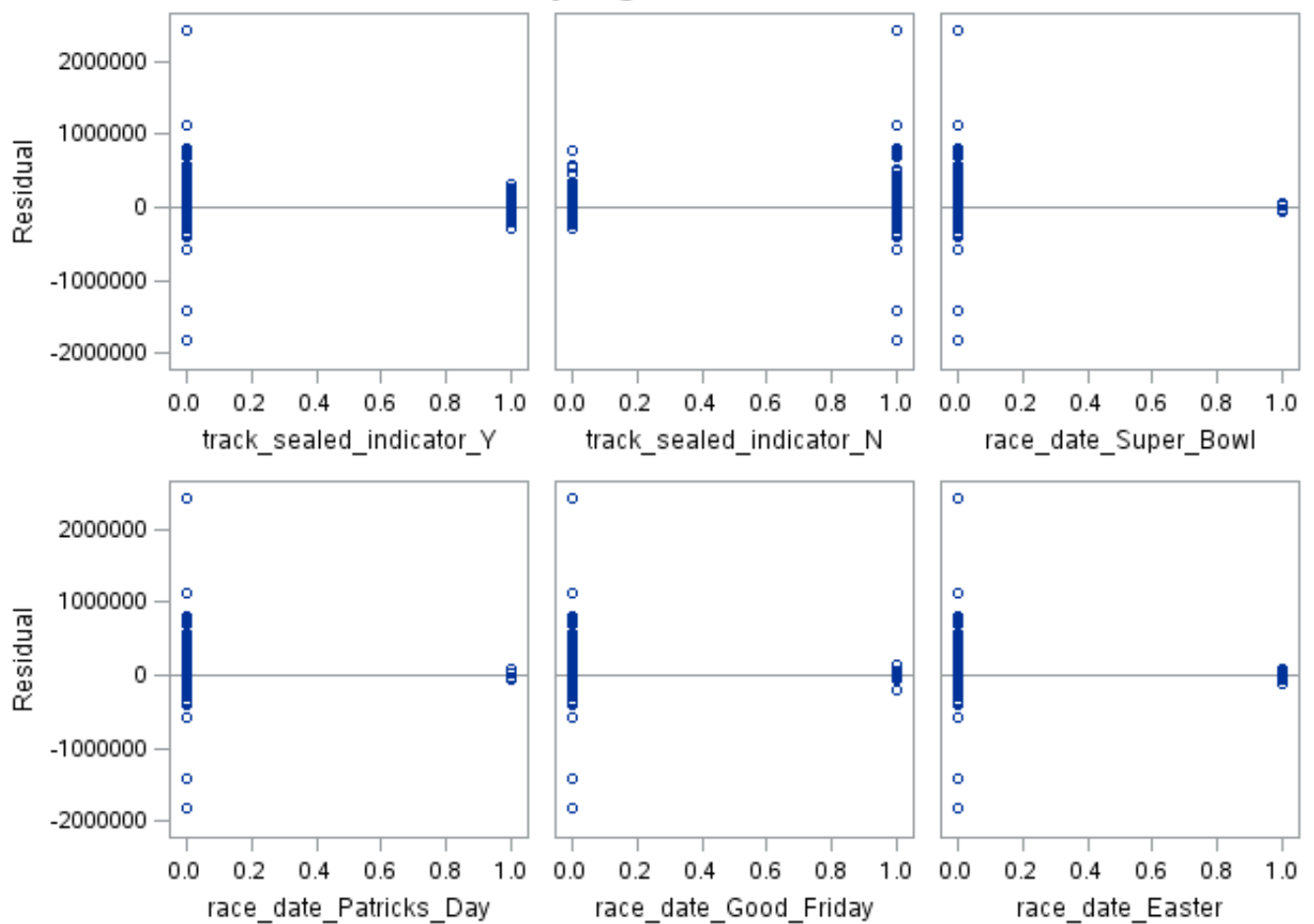
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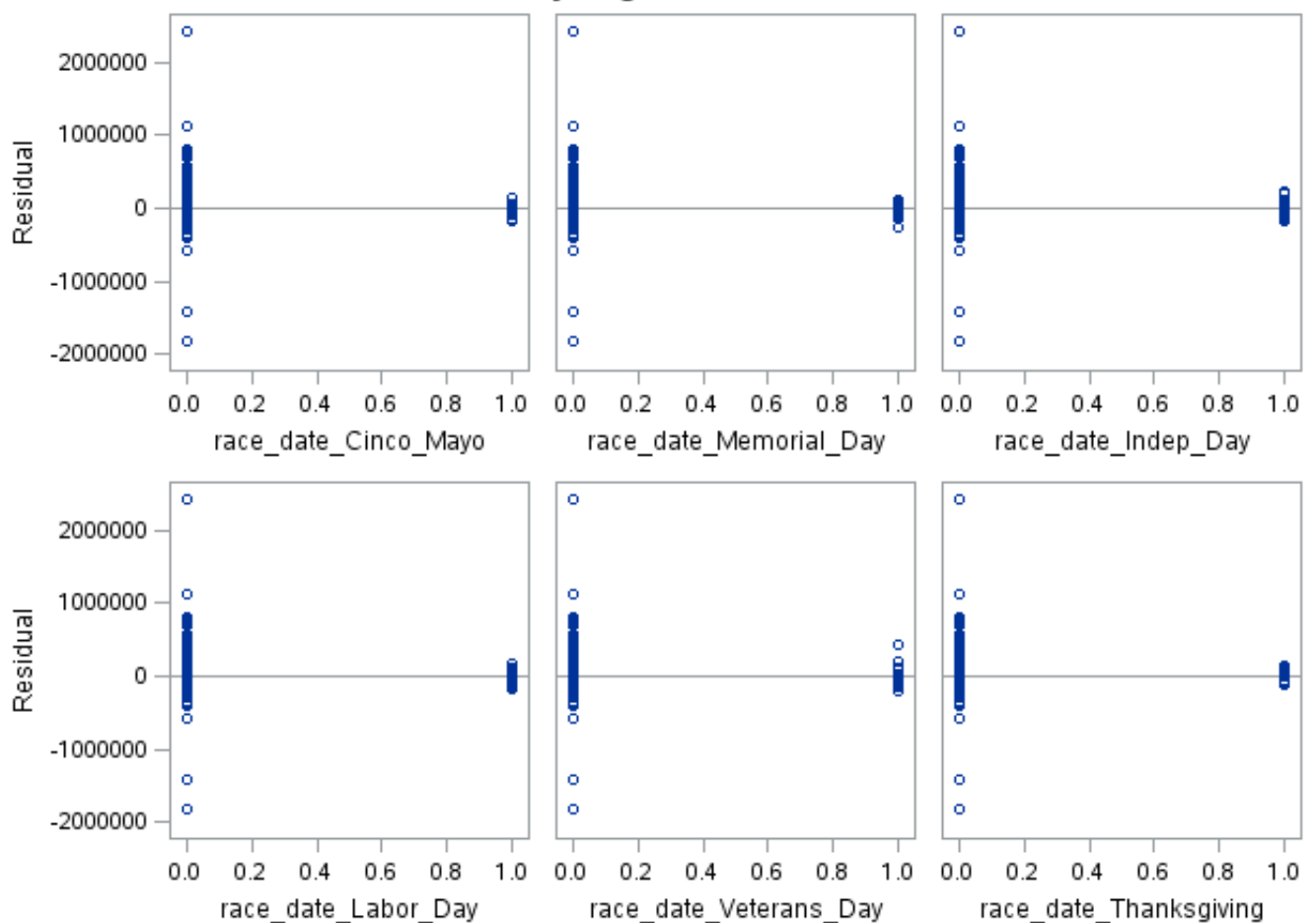
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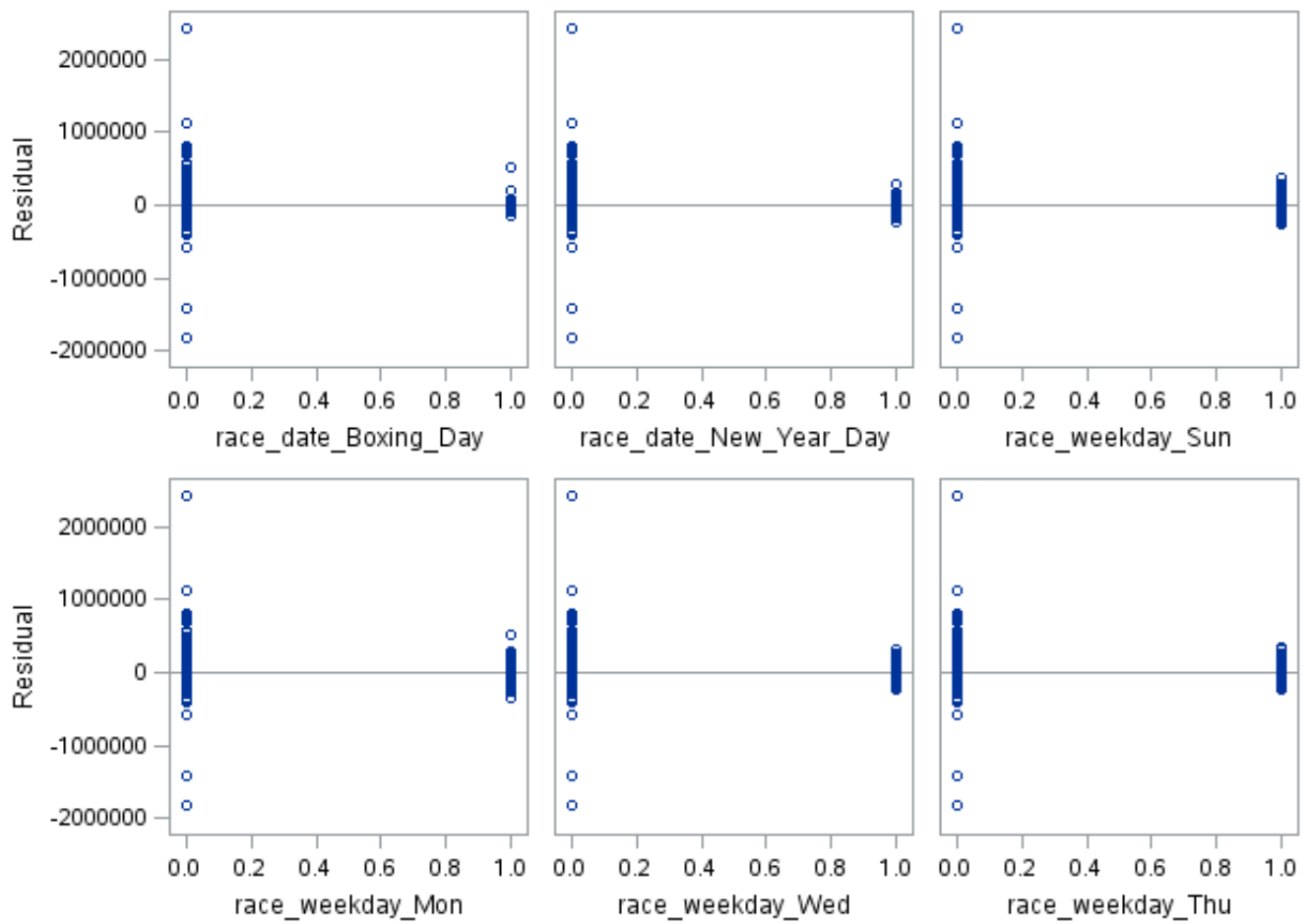
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