

Model Information

Target Field	trip_duration
Model Building Method	Forced Entry
Number of Predictors Input	8
Number of Predictors in Final Model	8
Corrected Akaike Information Criterion (AICc)	5,423.743
R-Squared	0.886
Adjusted R-Squared	0.877

Records Summary

Records	Number	Percent
Included	869	14.61
Excluded ^a	5,080	85.39
Total	5,949	100.00

a. User-missing values are excluded.

Tests of Model Effects

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Model	2,981,411.589	59	50,532.400	106.269	0.000
HourType	12,896.151	23	560.702	1.179	0.255
pickup_datetime	2,078,146.510	1	2,078,146.510	4,370.334	0.000
dropoff_datetime	2,078,132.475	1	2,078,132.475	4,370.304	0.000
pickup_longitude	0.252	1	0.252	0.001	0.982
pickup_latitude	400.836	1	400.836	0.843	0.359
dropoff_longitude	0.738	1	0.738	0.002	0.969
dropoff_latitude	129.953	1	129.953	0.273	0.601
distance	3,541.394	1	3,541.394	7.448	0.006
pickup_datetime * pickup_datetime	129.421	1	129.421	0.272	0.602
pickup_longitude * pickup_longitude	0.249	1	0.249	0.001	0.982
pickup_latitude * pickup_latitude	400.675	1	400.675	0.843	0.359
dropoff_longitude * dropoff_longitude	0.774	1	0.774	0.002	0.968
dropoff_latitude * dropoff_latitude	129.759	1	129.759	0.273	0.602
distance * distance	743.456	1	743.456	1.563	0.212
dropoff_longitude * HourType	12,899.240	23	560.837	1.179	0.255
Error	384,689.274	809	475.512		
Corrected Total	3,366,100.863	868			

Dependent Variable: trip_duration

R-Squared = 0.886 (Adjusted R-Squared= 0.877)

Parameter Estimates^a

Parameter	B	Std. Error	t	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Intercept	2,596,885.748	6,168,071.376	0.421	0.674	-9,510,425.578	14,704,197.073
HourType=0	26,254.020	20,027.319	1.311	0.190	-13,057.618	65,565.657
HourType=1	29,557.537	19,802.073	1.493	0.136	-9,311.965	68,427.038
HourType=10	52,393.269	25,421.629	2.061	0.040	2,493.137	102,293.401
HourType=11	4,600.199	19,830.616	0.232	0.817	-34,325.330	43,525.729
HourType=12	6,720.879	19,815.713	0.339	0.735	-32,175.397	45,617.156
HourType=13	21,205.611	21,488.388	0.987	0.324	-20,973.959	63,385.181
HourType=14	300.116	22,335.798	0.013	0.989	-43,542.837	44,143.069
HourType=15	2,548.622	22,133.566	0.115	0.908	-40,897.369	45,994.613
HourType=16	17,103.392	25,296.989	0.676	0.499	-32,552.084	66,758.868
HourType=17	11,185.645	21,373.963	0.523	0.601	-30,769.321	53,140.612
HourType=18	6,263.944	18,012.503	0.348	0.728	-29,092.809	41,620.697
HourType=19	10,098.269	19,795.988	0.510	0.610	-28,759.289	48,955.828
HourType=2	50,170.403	21,146.500	2.373	0.018	8,661.925	91,678.881
HourType=20	9,715.927	19,215.165	0.506	0.613	-28,001.534	47,433.388
HourType=21	8,510.373	20,309.543	0.419	0.675	-31,355.243	48,375.988
HourType=22	12,239.815	21,784.837	0.562	0.574	-30,521.656	55,001.286
HourType=23	24,609.173	20,471.953	1.202	0.230	-15,575.237	64,793.583
HourType=3	17,108.636	26,437.534	0.647	0.518	-34,785.617	69,002.888
HourType=4	39,830.280	20,444.945	1.948	0.052	-301.117	79,961.677
HourType=5	29,505.334	23,799.917	1.240	0.215	-17,211.539	76,222.207
HourType=6	39,975.988	21,282.034	1.878	0.061	-1,798.531	81,750.507
HourType=7	25,558.538	21,490.029	1.189	0.235	-16,624.253	67,741.330
HourType=8	-3,853.251	22,551.984	-0.171	0.864	-48,120.555	40,414.052
HourType=9	0 ^b					
HourType=default	0 ^b					
pickup_datetime	-0.837	0.013	-66.109	0.000	-0.862	-0.812
dropoff_datetime	0.837	0.013	66.108	0.000	0.812	0.862
pickup_longitude	9,148.129	397,388.294	0.023	0.982	-770,885.613	789,181.871
pickup_latitude	-189,796.560	206,721.379	-0.918	0.359	-595,570.091	215,976.970
dropoff_longitude	16,138.696	409,611.865	0.039	0.969	-787,888.700	820,166.092
dropoff_latitude	109,968.448	210,356.630	0.523	0.601	-302,940.719	522,877.615
distance	25.985	9.522	2.729	0.006	7.295	44.676
pickup_datetime *						
pickup_datetime	0.000	0.000	0.522	0.602	0.000	0.000
pickup_longitude *						
pickup_longitude	61.479	2,685.982	0.023	0.982	-5,210.836	5,333.794
pickup_latitude *						
pickup_latitude	2,328.026	2,536.135	0.918	0.359	-2,650.155	7,306.206
dropoff_longitude *						
dropoff_longitude	111.729	2,768.498	0.040	0.968	-5,322.558	5,546.016
dropoff_latitude *						
dropoff_latitude	-1,348.071	2,580.626	-0.522	0.602	-6,413.584	3,717.441
distance * distance	-7.629	6.102	-1.250	0.212	-19.606	4.347
dropoff_longitude *						
[HourType=0]	355.033	270.717	1.311	0.190	-176.357	886.423

Parameter Estimates^a

Parameter	B	Std. Error	t	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
dropoff_longitude * [HourType=1]	399.542	267.674	1.493	0.136	-125.875	924.960
dropoff_longitude * [HourType=10]	708.179	343.630	2.061	0.040	33.667	1,382.691
dropoff_longitude * [HourType=11]	62.248	268.054	0.232	0.816	-463.915	588.411
dropoff_longitude * [HourType=12]	90.895	267.862	0.339	0.734	-434.892	616.682
dropoff_longitude * [HourType=13]	286.648	290.482	0.987	0.324	-283.541	856.836
dropoff_longitude * [HourType=14]	3.960	301.927	0.013	0.990	-588.693	596.612
dropoff_longitude * [HourType=15]	34.444	299.180	0.115	0.908	-552.817	621.704
dropoff_longitude * [HourType=16]	231.188	341.939	0.676	0.499	-440.004	902.380
dropoff_longitude * [HourType=17]	151.157	288.924	0.523	0.601	-415.971	718.285
dropoff_longitude * [HourType=18]	84.732	243.480	0.348	0.728	-393.196	562.660
dropoff_longitude * [HourType=19]	136.450	267.584	0.510	0.610	-388.791	661.692
dropoff_longitude * [HourType=2]	678.291	285.841	2.373	0.018	117.214	1,239.368
dropoff_longitude * [HourType=20]	131.335	259.740	0.506	0.613	-378.509	641.178
dropoff_longitude * [HourType=21]	115.047	274.532	0.419	0.675	-423.832	653.925
dropoff_longitude * [HourType=22]	165.457	294.465	0.562	0.574	-412.548	743.462
dropoff_longitude * [HourType=23]	332.588	276.720	1.202	0.230	-210.586	875.762
dropoff_longitude * [HourType=3]	231.291	357.343	0.647	0.518	-470.137	932.719
dropoff_longitude * [HourType=4]	538.653	276.377	1.949	0.052	-3.848	1,081.155
dropoff_longitude * [HourType=5]	398.991	321.722	1.240	0.215	-232.517	1,030.500
dropoff_longitude * [HourType=6]	540.470	287.680	1.879	0.061	-24.217	1,105.157
dropoff_longitude * [HourType=7]	345.468	290.493	1.189	0.235	-224.740	915.677
dropoff_longitude * [HourType=8]	-52.059	304.838	-0.171	0.864	-650.426	546.307
dropoff_longitude * [HourType=9]	0 ^b					

Dependent Variable: trip_duration

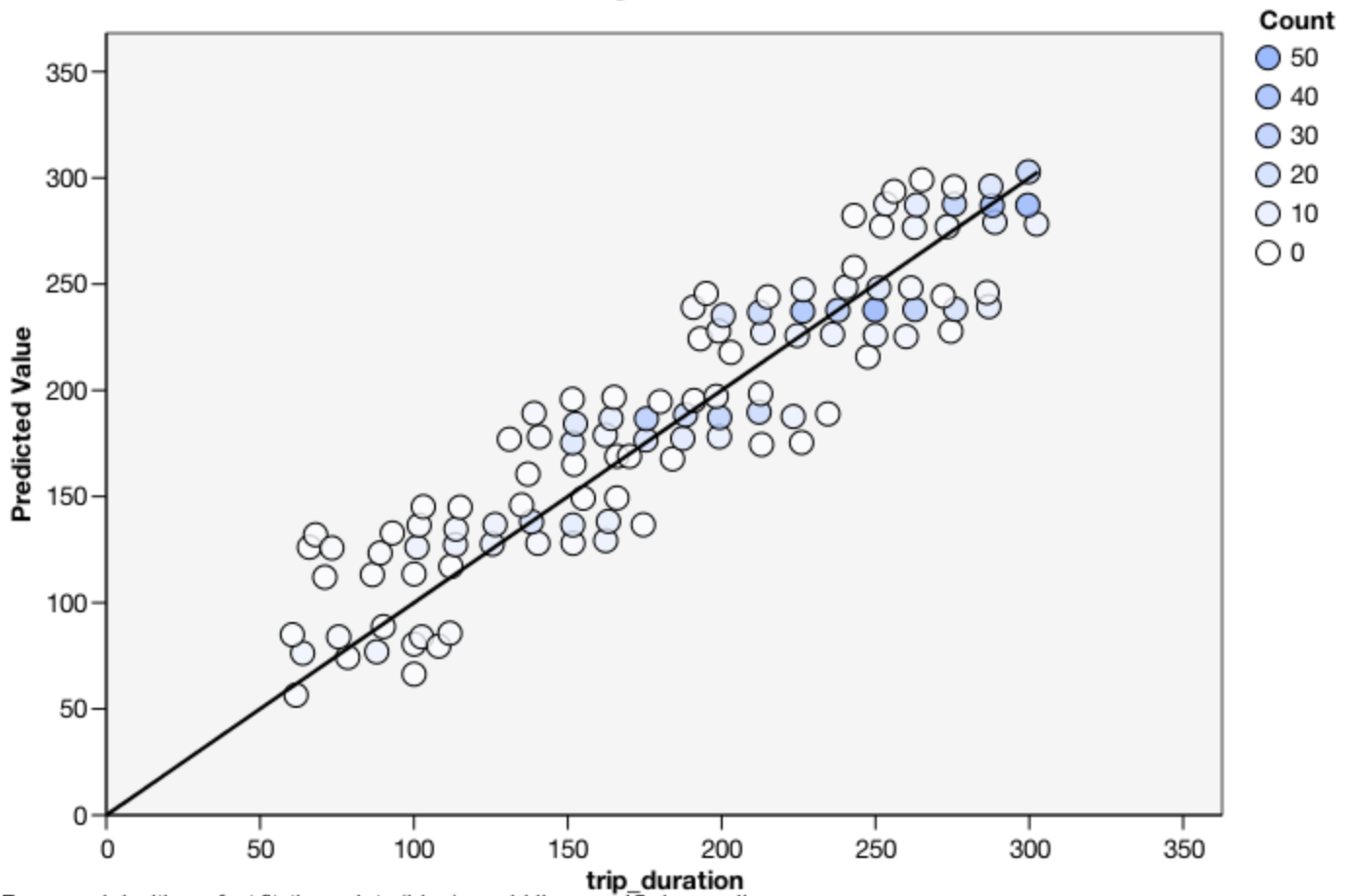
a. Computed using alpha = .05

b. This parameter is set to zero because it is redundant.

Warning

Predictor Importance is not available because all predictors are constant or appear unrelated to the target.

Predicted by Observed



For a model with perfect fit, the points (bins) would lie on a 45-degree line.