

Results

Descriptive Statistics

Descriptive Statistics

		Valid	Missing	Mean	Std. Deviation	Minimum	Maximum	25th percentile	50th percentile	75th percentile
Speed	BL1	22	0	44.059	6.579	32.715	61.500	39.955	42.971	48.047
Speed	BL1r	20	0	43.435	6.866	32.460	61.022	39.337	41.267	48.601
Speed	BL2	23	0	45.414	6.836	33.056	62.911	40.889	44.926	50.506
Speed	BL2r	26	0	45.618	6.474	33.019	62.683	40.921	45.533	49.821
Speed	BL3	13	10	29.381	2.094	25.230	32.206	28.768	29.751	30.270
Speed	BL3r	10	10	28.499	1.736	25.024	30.097	27.234	29.157	29.803
Speed	SO1	20	0	44.807	7.514	33.355	64.890	40.360	42.440	50.222
Speed	SO1r	20	0	44.299	7.446	32.774	64.173	39.902	42.014	49.654
Speed	SO2	20	0	40.528	6.098	30.118	55.941	37.075	39.088	44.475
Speed	SO2r	20	0	40.004	6.105	29.990	55.441	36.278	38.431	44.354
Speed	SO3	20	0	36.021	5.506	27.671	49.536	32.389	34.609	40.526
Speed	SO3r	20	0	35.696	5.484	27.499	49.207	31.981	34.373	40.136
Speed	SO4	20	0	40.263	5.986	30.239	54.981	36.678	38.430	44.651
Speed	SO4r	29	0	40.357	5.092	29.864	54.660	37.552	40.334	43.922
Speed	SO5	26	0	37.232	6.239	29.418	54.074	31.518	36.276	40.716
Speed	SO5r	26	0	38.728	5.667	29.224	53.604	34.822	36.999	43.498
Speed	SO6	23	0	43.364	6.294	32.393	60.796	40.105	41.905	46.283
Speed	SO6r	23	0	43.488	6.323	32.651	60.987	40.216	41.809	46.470
Speed	FE1	20	0	39.820	6.468	30.258	56.450	35.727	37.835	44.949
Speed	FE1r	20	0	39.087	6.283	29.926	55.230	34.946	37.315	43.912
Speed	FE2	20	0	45.453	8.099	34.066	67.218	40.535	42.184	51.652
Speed	FE2r	20	0	44.896	7.959	34.047	66.638	40.028	41.981	51.042
Speed	FE3	23	0	41.597	7.341	31.916	61.401	36.263	39.621	46.175
Speed	FE3r	20	0	42.247	7.284	31.853	61.369	37.625	39.728	48.067
Speed	FE4	20	0	42.629	7.067	32.042	61.003	38.387	40.000	48.061
Speed	FE4r	26	0	40.396	7.158	31.962	60.844	34.273	38.711	44.231
Speed	FE5	13	10	26.922	1.985	23.985	29.090	24.981	27.777	28.685
Speed	FE5r	10	10	27.326	1.381	24.637	28.837	26.357	27.762	28.314
Speed	FE6	10	10	24.561	1.259	22.199	25.841	23.584	25.015	25.420
Speed	FE6r	10	10	24.902	1.255	22.596	26.104	23.922	25.394	25.821
Speed	KY1	23	0	66.693	11.648	44.711	95.177	61.323	64.670	76.216
Speed	KY1r	20	0	65.256	11.805	44.772	95.208	60.324	63.390	69.091
Speed	KY2	23	0	49.938	9.424	35.021	67.668	43.366	48.023	54.805
Speed	KY2r	26	0	47.982	8.512	35.057	67.775	43.110	45.590	54.730
Speed	KY3	20	0	49.483	8.805	36.226	73.141	44.473	46.519	55.342
Speed	KY3r	20	0	49.155	8.813	36.306	72.910	44.107	45.843	55.301
Speed	WE1	22	0	44.710	6.927	33.263	63.052	40.369	43.366	48.787
Speed	WE1r	23	0	45.656	7.473	33.238	62.989	40.364	44.748	50.795
Speed	WE2	26	0	46.928	7.643	34.851	68.788	41.950	44.102	52.386
Speed	WE2r	26	0	47.706	7.361	34.829	68.550	42.462	47.489	53.153
Speed	WE4	7	13	18.690	1.932	15.941	20.855	17.420	18.485	20.355
Speed	WE4r	7	13	18.821	1.982	15.983	20.882	17.581	18.393	20.664
Speed	WE5	15	5	23.298	2.303	19.855	27.641	22.161	22.569	25.221
Speed	WE5r	15	5	23.203	2.278	19.739	27.445	22.122	22.569	25.257
Speed	AS1	23	0	36.383	5.121	28.125	49.933	33.411	34.675	39.893
Speed	AS1r	20	0	36.518	5.412	27.844	49.893	33.058	35.053	40.751
Speed	AS2	20	0	47.200	7.479	34.538	66.372	43.162	45.717	51.557
Speed	AS2r	26	0	44.609	7.671	34.238	65.945	37.637	43.062	47.566
Speed	AS3	20	0	48.828	7.858	35.429	68.965	44.635	47.489	53.496
Speed	AS3r	23	0	49.289	7.322	35.634	68.711	44.748	48.977	52.747
Speed	AS4	20	0	51.131	8.972	37.394	75.289	46.015	48.468	56.990
Speed	AS4r	23	0	50.146	8.480	37.316	75.100	45.602	47.935	54.270
Speed	AS5	23	0	50.207	8.627	35.605	70.326	44.105	48.754	56.171
Speed	AS5r	23	0	48.662	7.615	35.705	70.219	43.939	48.501	51.787
Speed	AS6	20	0	46.357	7.667	34.208	66.363	42.102	44.043	51.635
Speed	AS6r	20	0	46.136	7.622	34.217	66.165	41.828	43.824	51.429
Speed	AS7	23	0	41.253	7.382	31.986	60.836	36.229	39.717	46.119
Speed	AS7r	20	0	42.696	6.979	32.048	60.657	38.435	40.197	47.852
Speed	RO1	22	0	38.322	5.468	29.091	52.077	34.800	37.766	42.153
Speed	RO2	23	0	38.461	6.630	30.178	56.176	33.521	36.245	43.440

Descriptive Statistics

		Valid	Missing	Mean	Std. Deviation	Minimum	Maximum	25th percentile	50th percentile	75th percentile
Speed	RO3	23	0	62.341	10.894	43.509	93.399	57.481	60.670	63.975
Speed	RO4	23	0	37.661	5.239	28.408	50.356	34.037	37.659	41.330
Speed	RO5	20	0	35.145	5.262	27.127	47.654	31.647	33.971	39.554
Speed	RO6	26	0	34.348	5.208	27.189	48.147	31.199	33.257	37.289
Speed	RO7	20	0	39.343	6.060	29.853	54.448	35.554	37.562	44.125
Speed	RO8	20	0	41.956	6.812	31.546	59.476	37.736	39.817	47.186
Speed	RO9	20	0	47.961	8.475	35.706	71.308	42.873	44.860	54.009
Speed	RO10	20	0	38.696	5.887	29.425	53.235	35.000	37.090	43.361
Speed	RO11	20	0	41.370	6.511	31.578	57.777	37.233	39.208	46.752
log(Speed)	BL1	22	0	3.775	0.146	3.488	4.119	3.688	3.760	3.872
log(Speed)	BL1r	20	0	3.760	0.153	3.480	4.111	3.672	3.720	3.884
log(Speed)	BL2	23	0	3.805	0.150	3.498	4.142	3.711	3.805	3.922
log(Speed)	BL2r	26	0	3.811	0.142	3.497	4.138	3.712	3.818	3.908
log(Speed)	BL3	13	10	3.378	0.073	3.228	3.472	3.359	3.393	3.410
log(Speed)	BL3r	10	10	3.348	0.063	3.220	3.404	3.304	3.373	3.395
log(Speed)	SO1	20	0	3.790	0.161	3.507	4.173	3.698	3.748	3.916
log(Speed)	SO1r	20	0	3.778	0.161	3.490	4.162	3.686	3.738	3.905
log(Speed)	SO2	20	0	3.692	0.148	3.405	4.024	3.613	3.666	3.795
log(Speed)	SO2r	20	0	3.678	0.149	3.401	4.015	3.591	3.649	3.792
log(Speed)	SO3	20	0	3.573	0.149	3.320	3.903	3.478	3.544	3.702
log(Speed)	SO3r	20	0	3.564	0.149	3.314	3.896	3.465	3.537	3.692
log(Speed)	SO4	20	0	3.685	0.146	3.409	4.007	3.602	3.649	3.799
log(Speed)	SO4r	29	0	3.690	0.126	3.397	4.001	3.626	3.697	3.782
log(Speed)	SO5	26	0	3.604	0.160	3.382	3.990	3.451	3.591	3.706
log(Speed)	SO5r	26	0	3.647	0.143	3.375	3.982	3.550	3.611	3.773
log(Speed)	SO6	23	0	3.760	0.140	3.478	4.108	3.691	3.735	3.834
log(Speed)	SO6r	23	0	3.763	0.140	3.486	4.111	3.694	3.733	3.838
log(Speed)	FE1	20	0	3.672	0.156	3.410	4.033	3.576	3.633	3.806
log(Speed)	FE1r	20	0	3.654	0.155	3.399	4.012	3.554	3.619	3.782
log(Speed)	FE2	20	0	3.803	0.169	3.528	4.208	3.702	3.742	3.945
log(Speed)	FE2r	20	0	3.791	0.167	3.528	4.199	3.690	3.737	3.933
log(Speed)	FE3	23	0	3.714	0.168	3.463	4.117	3.590	3.679	3.832
log(Speed)	FE3r	20	0	3.730	0.164	3.461	4.117	3.628	3.682	3.873
log(Speed)	FE4	20	0	3.740	0.159	3.467	4.111	3.648	3.689	3.872
log(Speed)	FE4r	26	0	3.685	0.166	3.465	4.108	3.534	3.656	3.789
log(Speed)	FE5	13	10	3.290	0.075	3.177	3.370	3.218	3.324	3.356
log(Speed)	FE5r	10	10	3.307	0.052	3.204	3.362	3.271	3.324	3.343
log(Speed)	FE6	10	10	3.200	0.052	3.100	3.252	3.160	3.219	3.236
log(Speed)	FE6r	10	10	3.214	0.051	3.118	3.262	3.175	3.234	3.251
log(Speed)	KY1	23	0	4.185	0.176	3.800	4.556	4.116	4.169	4.334
log(Speed)	KY1r	20	0	4.163	0.177	3.802	4.556	4.099	4.149	4.234
log(Speed)	KY2	23	0	3.894	0.185	3.556	4.215	3.770	3.872	4.004
log(Speed)	KY2r	26	0	3.856	0.174	3.557	4.216	3.764	3.820	4.002
log(Speed)	KY3	20	0	3.888	0.170	3.590	4.292	3.795	3.840	4.013
log(Speed)	KY3r	20	0	3.881	0.170	3.592	4.289	3.787	3.825	4.013
log(Speed)	WE1	22	0	3.789	0.151	3.504	4.144	3.698	3.769	3.887
log(Speed)	WE1r	23	0	3.809	0.162	3.504	4.143	3.698	3.801	3.928
log(Speed)	WE2	26	0	3.837	0.156	3.551	4.231	3.736	3.787	3.959
log(Speed)	WE2r	26	0	3.854	0.151	3.550	4.228	3.749	3.860	3.973
log(Speed)	WE4	7	13	2.923	0.105	2.769	3.038	2.857	2.917	3.013
log(Speed)	WE4r	7	13	2.930	0.107	2.772	3.039	2.866	2.912	3.028
log(Speed)	WE5	15	5	3.144	0.098	2.988	3.319	3.098	3.117	3.228
log(Speed)	WE5r	15	5	3.140	0.097	2.983	3.312	3.097	3.117	3.229
log(Speed)	AS1	23	0	3.585	0.136	3.337	3.911	3.509	3.546	3.686
log(Speed)	AS1r	20	0	3.588	0.145	3.327	3.910	3.498	3.557	3.707
log(Speed)	AS2	20	0	3.843	0.154	3.542	4.195	3.765	3.822	3.942
log(Speed)	AS2r	26	0	3.785	0.164	3.533	4.189	3.628	3.763	3.862
log(Speed)	AS3	20	0	3.876	0.157	3.568	4.234	3.799	3.860	3.979
log(Speed)	AS3r	23	0	3.887	0.147	3.573	4.230	3.801	3.891	3.966
log(Speed)	AS4	20	0	3.921	0.167	3.622	4.321	3.829	3.881	4.043
log(Speed)	AS4r	23	0	3.902	0.158	3.619	4.319	3.820	3.870	3.993

	Valid	Missing	Mean	Std. Deviation	Minimum	Maximum	25th percentile	50th percentile	75th percentile
log(Speed) AS5	23	0	3.902	0.170	3.572	4.253	3.787	3.887	4.028
log(Speed) AS5r	23	0	3.874	0.151	3.575	4.252	3.783	3.882	3.947
log(Speed) AS6	20	0	3.824	0.159	3.532	4.195	3.740	3.785	3.944
log(Speed) AS6r	20	0	3.819	0.159	3.533	4.192	3.734	3.780	3.940
log(Speed) AS7	23	0	3.705	0.172	3.465	4.108	3.589	3.682	3.831
log(Speed) AS7r	20	0	3.742	0.157	3.467	4.105	3.649	3.694	3.868
log(Speed) RO1	22	0	3.637	0.140	3.370	3.953	3.550	3.631	3.741
log(Speed) RO2	23	0	3.636	0.164	3.407	4.028	3.511	3.590	3.771
log(Speed) RO3	23	0	4.119	0.167	3.773	4.537	4.051	4.105	4.158
log(Speed) RO4	23	0	3.619	0.139	3.347	3.919	3.527	3.629	3.722
log(Speed) RO5	20	0	3.549	0.146	3.301	3.864	3.455	3.525	3.678
log(Speed) RO6	26	0	3.526	0.146	3.303	3.874	3.440	3.504	3.619
log(Speed) RO7	20	0	3.661	0.150	3.396	3.997	3.571	3.626	3.787
log(Speed) RO8	20	0	3.725	0.157	3.451	4.086	3.631	3.684	3.854
log(Speed) RO9	20	0	3.857	0.168	3.575	4.267	3.758	3.804	3.989
log(Speed) RO10	20	0	3.645	0.148	3.382	3.975	3.555	3.613	3.770
log(Speed) RO11	20	0	3.711	0.152	3.452	4.057	3.617	3.669	3.845

Descriptive Statistics

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		Valid	Missing	Mean	Std. Deviation	Minimum	Maximum	25th percentile	50th percentile	75th percentile
Speed	359875	3	0	40.959	0.502	40.394	41.355	40.761	41.127	41.241
Speed	BF1	59	10	62.892	10.322	47.654	95.208	55.336	61.401	67.721
Speed	FBM	64	8	45.033	6.162	26.442	61.241	41.331	45.041	48.389
Speed	FO8	59	10	55.054	8.223	43.098	81.354	49.236	53.770	59.238
Speed	FOX	67	8	48.516	6.699	27.445	65.900	44.248	49.120	52.385
Speed	FXO	67	2	38.540	7.519	22.271	62.474	35.000	38.474	42.279
Speed	FXR	65	10	51.621	9.116	39.711	77.564	45.322	49.947	54.434
Speed	FZ5	67	2	40.001	8.185	22.530	66.697	36.073	39.678	44.006
Speed	FZR	65	10	50.470	7.735	39.969	78.010	45.229	49.894	53.950
Speed	LX4	69	0	38.085	7.497	18.220	57.573	35.066	38.997	42.239
Speed	LX6	72	0	39.680	8.155	18.351	62.500	36.570	40.325	44.083
Speed	MRT	63	6	39.624	5.520	20.855	50.042	37.648	40.402	42.606
Speed	RAC	70	2	40.027	7.715	22.438	64.726	36.275	40.427	43.729
Speed	RB4	70	2	38.029	7.134	22.215	61.431	34.450	38.039	41.846
Speed	UF1	69	0	31.230	5.470	15.941	44.772	29.091	31.986	34.238
Speed	UFR	63	6	43.136	7.860	20.510	64.280	39.715	43.890	47.177
Speed	XFG	81	0	33.758	6.145	16.621	52.400	31.382	34.167	37.309
Speed	XFR	63	6	43.008	8.105	20.201	65.958	39.551	43.617	46.935
Speed	XRG	76	2	34.462	5.979	20.511	54.320	31.442	34.497	37.637
Speed	XRT	70	2	38.542	7.515	21.974	62.395	34.745	38.700	42.803
Speed	XRR	59	10	50.523	7.966	39.502	77.645	44.968	49.609	54.001
Speed	F1A4EF	9	0	45.576	3.351	39.736	48.340	45.996	46.677	47.889
Speed	459CE4	3	0	38.303	0.227	38.042	38.455	38.227	38.412	38.434
Speed	C0B610	3	0	32.474	0.140	32.312	32.556	32.433	32.554	32.555
Speed	79E657	3	0	49.864	0.401	49.413	50.182	49.705	49.997	50.090
Speed	75A6F4	3	0	40.288	0.316	39.950	40.578	40.142	40.334	40.456
Speed	1BCF4F	3	0	48.404	0.478	47.857	48.742	48.235	48.613	48.677
Speed	9A9019	3	0	33.612	0.211	33.375	33.779	33.528	33.682	33.730
Speed	17AB36	3	0	65.252	0.862	64.370	66.092	64.832	65.294	65.693
Speed	99D573	3	0	31.376	0.231	31.124	31.578	31.275	31.425	31.501
Speed	F7BE47	3	0	33.876	0.166	33.685	33.988	33.820	33.955	33.971
Speed	898A50	3	0	53.008	0.717	52.183	53.478	52.773	53.364	53.421
Speed	172CB8	3	0	40.700	0.302	40.360	40.939	40.580	40.800	40.870
Speed	11627A	9	0	57.942	2.939	53.512	60.775	54.521	59.786	59.893
Speed	F7D77B	3	0	28.544	0.330	28.187	28.838	28.396	28.606	28.722
Speed	E07D06	3	0	43.848	0.440	43.357	44.207	43.669	43.980	44.093
Speed	6BF4F6	3	0	31.938	0.314	31.592	32.206	31.804	32.015	32.111
Speed	5E9E67	3	0	61.328	0.599	60.670	61.842	61.071	61.472	61.657
Speed	A4C485	3	0	24.142	0.137	23.985	24.243	24.091	24.197	24.220
log(Speed)	359875	3	0	3.713	0.012	3.699	3.722	3.708	3.717	3.719
log(Speed)	BF1	59	10	4.129	0.155	3.864	4.556	4.013	4.117	4.215
log(Speed)	FBM	64	8	3.798	0.144	3.275	4.115	3.722	3.808	3.879
log(Speed)	FO8	59	10	3.998	0.140	3.763	4.399	3.897	3.985	4.082
log(Speed)	FOX	67	8	3.872	0.148	3.312	4.188	3.790	3.894	3.959
log(Speed)	FXO	67	2	3.633	0.197	3.103	4.135	3.555	3.650	3.744
log(Speed)	FXR	65	10	3.930	0.161	3.682	4.351	3.814	3.911	3.997
log(Speed)	FZ5	67	2	3.668	0.205	3.115	4.200	3.586	3.681	3.784
log(Speed)	FZR	65	10	3.911	0.141	3.688	4.357	3.812	3.910	3.988
log(Speed)	LX4	69	0	3.618	0.218	2.902	4.053	3.557	3.663	3.743
log(Speed)	LX6	72	0	3.657	0.227	2.910	4.135	3.599	3.697	3.786
log(Speed)	MRT	63	6	3.668	0.163	3.038	3.913	3.628	3.699	3.752
log(Speed)	RAC	70	2	3.671	0.196	3.111	4.170	3.591	3.699	3.778
log(Speed)	RB4	70	2	3.621	0.187	3.101	4.118	3.540	3.639	3.734
log(Speed)	UF1	69	0	3.424	0.193	2.769	3.802	3.370	3.465	3.533
log(Speed)	UFR	63	6	3.746	0.204	3.021	4.163	3.682	3.782	3.854
log(Speed)	XFG	81	0	3.501	0.196	2.811	3.959	3.446	3.531	3.619
log(Speed)	XFR	63	6	3.742	0.209	3.006	4.189	3.678	3.775	3.849
log(Speed)	XRG	76	2	3.525	0.174	3.021	3.995	3.448	3.541	3.628
log(Speed)	XRT	70	2	3.633	0.198	3.090	4.133	3.548	3.656	3.757
log(Speed)	XRR	59	10	3.912	0.145	3.676	4.352	3.806	3.904	3.989

	Valid	Missing	Mean	Std. Deviation	Minimum	Maximum	25th percentile	50th percentile	75th percentile
log(Speed) F1A4EF	9	0	3.817	0.077	3.682	3.878	3.829	3.843	3.869
log(Speed) 459CE4	3	0	3.646	0.006	3.639	3.649	3.644	3.648	3.649
log(Speed) C0B610	3	0	3.480	0.004	3.475	3.483	3.479	3.483	3.483
log(Speed) 79E657	3	0	3.909	0.008	3.900	3.916	3.906	3.912	3.914
log(Speed) 75A6F4	3	0	3.696	0.008	3.688	3.703	3.692	3.697	3.700
log(Speed) 1BCF4F	3	0	3.880	0.010	3.868	3.887	3.876	3.884	3.885
log(Speed) 9A9019	3	0	3.515	0.006	3.508	3.520	3.512	3.517	3.518
log(Speed) 17AB36	3	0	4.178	0.013	4.165	4.191	4.172	4.179	4.185
log(Speed) 99D573	3	0	3.446	0.007	3.438	3.452	3.443	3.448	3.450
log(Speed) F7BE47	3	0	3.523	0.005	3.517	3.526	3.521	3.525	3.526
log(Speed) 898A50	3	0	3.970	0.014	3.955	3.979	3.966	3.977	3.978
log(Speed) 172CB8	3	0	3.706	0.007	3.698	3.712	3.703	3.709	3.710
log(Speed) 11627A	9	0	4.058	0.051	3.980	4.107	3.999	4.091	4.093
log(Speed) F7D77B	3	0	3.351	0.012	3.339	3.362	3.346	3.354	3.358
log(Speed) E07D06	3	0	3.781	0.010	3.769	3.789	3.777	3.784	3.786
log(Speed) 6BF4F6	3	0	3.464	0.010	3.453	3.472	3.460	3.466	3.469
log(Speed) 5E9E67	3	0	4.116	0.010	4.105	4.125	4.112	4.119	4.122
log(Speed) A4C485	3	0	3.184	0.006	3.177	3.188	3.182	3.186	3.187

Descriptive Statistics

Descriptive Statistics

		Valid	Missing	Mean	Std. Deviation	Minimum	Maximum
Speed	WR	1284	0	42.643	10.608	15.941	95.208
Speed	Q	42	0	43.518	11.062	24.243	75.846
Speed	AVG	39	0	42.778	11.354	23.985	76.236
Speed	R	42	0	43.457	11.192	24.197	77.564
log(Speed)	WR	1284	0	3.722	0.252	2.769	4.556
log(Speed)	Q	42	0	3.743	0.248	3.188	4.329
log(Speed)	AVG	39	0	3.723	0.257	3.177	4.334
log(Speed)	R	42	0	3.741	0.250	3.186	4.351

Note. Excluded 96 rows from the analysis that correspond to the missing values of the split-by variable Type

Linear Regression

Model Summary – log(Speed)

Model	R	R ²	Adjusted R ²	RMSE
M ₀	0.000	0.000	0.000	0.251
M ₁	0.994	0.988	0.987	0.028

Note. M₁ includes Mass, Power, Weight dist F, Size, Downforce Lift, Downforce Drag, Track, Category, Drivetrain, Tyres, Layout, Transmission

ANOVA

Model		Sum of Squares	df	Mean Square	F	p
M ₁	Regression	87.381	89	0.982	1239.054	< .001
	Residual	1.039	1311	7.924×10 ^{−4}		
	Total	88.420	1400			

Note. M₁ includes Mass, Power, Weight dist F, Size, Downforce Lift, Downforce Drag, Track, Category, Drivetrain, Tyres, Layout, Transmission

Note. The intercept model is omitted, as no meaningful information can be shown.

Model		Unstandardized	Standard Error	Standardized ^a	t	p
M ₀	(Intercept)	3.722	0.007		554.386	< .001
M ₁	(Intercept)	3.127	0.039		79.631	< .001
	Mass	-1.901×10^{-4}	6.990×10^{-6}	-0.247	-27.200	< .001
	Power	0.001	2.267×10^{-5}	0.591	52.229	< .001
	Weight dist F	0.004	3.965×10^{-4}	0.124	10.263	< .001
	Size	2.189×10^{-5}	4.023×10^{-6}	0.067	5.441	< .001
	Downforce Lift	1.092×10^{-4}	4.673×10^{-6}	0.534	23.368	< .001
	Downforce Drag	7.009×10^{-4}	3.904×10^{-5}	0.376	17.953	< .001
	Track (BL1r)	-0.009	0.009		-1.040	0.298
	Track (BL2)	0.015	0.008		1.787	0.074
	Track (BL2r)	0.014	0.008		1.606	0.108
	Track (BL3)	-0.300	0.011		-27.818	< .001
	Track (BL3r)	-0.304	0.011		-28.194	< .001
	Track (SO1)	0.021	0.009		2.380	0.017
	Track (SO1r)	0.009	0.009		1.065	0.287
	Track (SO2)	-0.077	0.009		-8.875	< .001
	Track (SO2r)	-0.091	0.009		-10.394	< .001
	Track (SO3)	-0.196	0.009		-22.412	< .001
	Track (SO3r)	-0.205	0.009		-23.463	< .001
	Track (SO4)	-0.084	0.009		-9.597	< .001
	Track (SO4r)	-0.098	0.008		-11.663	< .001
	Track (SO5)	-0.120	0.008		-14.715	< .001
	Track (SO5r)	-0.130	0.008		-15.841	< .001
	Track (SO6)	-0.004	0.008		-0.486	0.627
	Track (SO6r)	0.003	0.008		0.298	0.766
	Track (FE1)	-0.096	0.009		-11.059	< .001
	Track (FE1r)	-0.115	0.009		-13.160	< .001
	Track (FE2)	0.034	0.009		3.860	< .001
	Track (FE2r)	0.022	0.009		2.474	0.013
	Track (FE3)	-0.042	0.008		-4.997	< .001
	Track (FE3r)	-0.039	0.009		-4.433	< .001
	Track (FE4)	-0.029	0.009		-3.300	< .001
	Track (FE4r)	-0.040	0.008		-4.885	< .001

^a Standardized coefficients can only be computed for continuous predictors.

Model		Unstandardized	Standard Error	Standardized ^a	t	p
	Track (FE5)	−0.351	0.010		−35.345	< .001
	Track (FE5r)	−0.346	0.011		−32.038	< .001
	Track (FE6)	−0.452	0.011		−41.925	< .001
	Track (FE6r)	−0.439	0.011		−40.647	< .001
	Track (KY1)	0.397	0.008		47.118	< .001
	Track (KY1r)	0.394	0.009		45.182	< .001
	Track (KY2)	0.070	0.008		8.316	< .001
	Track (KY2r)	0.069	0.008		8.390	< .001
	Track (KY3)	0.119	0.009		13.588	< .001
	Track (KY3r)	0.112	0.009		12.813	< .001
	Track (WE1)	0.014	0.008		1.647	0.100
	Track (WE1r)	−0.005	0.008		−0.612	0.541
	Track (WE2)	0.069	0.008		8.219	< .001
	Track (WE2r)	0.059	0.008		7.145	< .001
	Track (WE4)	−0.761	0.012		−61.960	< .001
	Track (WE4r)	−0.754	0.012		−61.404	< .001
	Track (WE5)	−0.557	0.009		−58.814	< .001
	Track (WE5r)	−0.561	0.009		−59.242	< .001
	Track (AS1)	−0.173	0.008		−20.389	< .001
	Track (AS1r)	−0.181	0.009		−20.773	< .001
	Track (AS2)	0.074	0.009		8.471	< .001
	Track (AS2r)	0.060	0.008		7.299	< .001
	Track (AS3)	0.107	0.009		12.314	< .001
	Track (AS3r)	0.104	0.008		12.316	< .001
	Track (AS4)	0.152	0.009		17.388	< .001
	Track (AS4r)	0.147	0.008		17.396	< .001
	Track (AS5)	0.089	0.008		10.472	< .001
	Track (AS5r)	0.098	0.008		11.637	< .001
	Track (AS6)	0.055	0.009		6.309	< .001
	Track (AS6r)	0.050	0.009		5.767	< .001
	Track (AS7)	−0.037	0.008		−4.397	< .001
	Track	−0.027	0.009		−3.087	0.002

^a Standardized coefficients can only be computed for continuous predictors.

Model		Unstandardized	Standard Error	Standardized ^a	t	p
	(AS7r)					
	Track (RO1)	−0.139	0.008		−16.339	< .001
	Track (RO2)	−0.107	0.008		−12.643	< .001
	Track (RO3)	0.350	0.009		40.151	< .001
	Track (RO4)	−0.145	0.008		−17.082	< .001
	Track (RO5)	−0.220	0.009		−25.195	< .001
	Track (RO6)	−0.216	0.008		−25.615	< .001
	Track (RO7)	−0.107	0.009		−12.320	< .001
	Track (RO8)	−0.044	0.009		−5.077	< .001
	Track (RO9)	0.088	0.009		10.042	< .001
	Track (RO10)	−0.124	0.009		−14.194	< .001
	Track (RO11)	−0.058	0.009		−6.609	< .001
	Category (Saloon car)	−0.076	0.019		−4.029	< .001
	Category (GT)	−0.272	0.010		−26.648	< .001
	Category (Prototype)	−0.115	0.019		−6.174	< .001
	Category (Bike)	-6.838×10^{-4}	0.019		−0.037	0.971
	Category (Buggy)	1.403×10^{-4}	0.027		0.005	0.996
	Drivetrain (FWD)	−0.045	0.004		−10.596	< .001
	Drivetrain (AWD)	−0.015	0.004		−3.725	< .001
	Tyres (Road)	−0.317	0.019		−16.702	< .001
	Layout (inline)	0.187	0.009		21.211	< .001
	Layout (flat)	0.195	0.008		23.547	< .001
	Transmission (sequential gearbox)	−0.014	0.009		−1.572	0.116
	Transmission (sequential gearbox with ignition cut)	0.019	0.006		3.343	< .001
	Transmission (H-pattern gearbox)	0.062	0.007		9.025	< .001
	Transmission (motorbike gearbox)	−0.119	0.011		−10.513	< .001
	Transmission (centrifugal clutch)	0.162	0.033		4.983	< .001

^a Standardized coefficients can only be computed for continuous predictors.

Descriptives

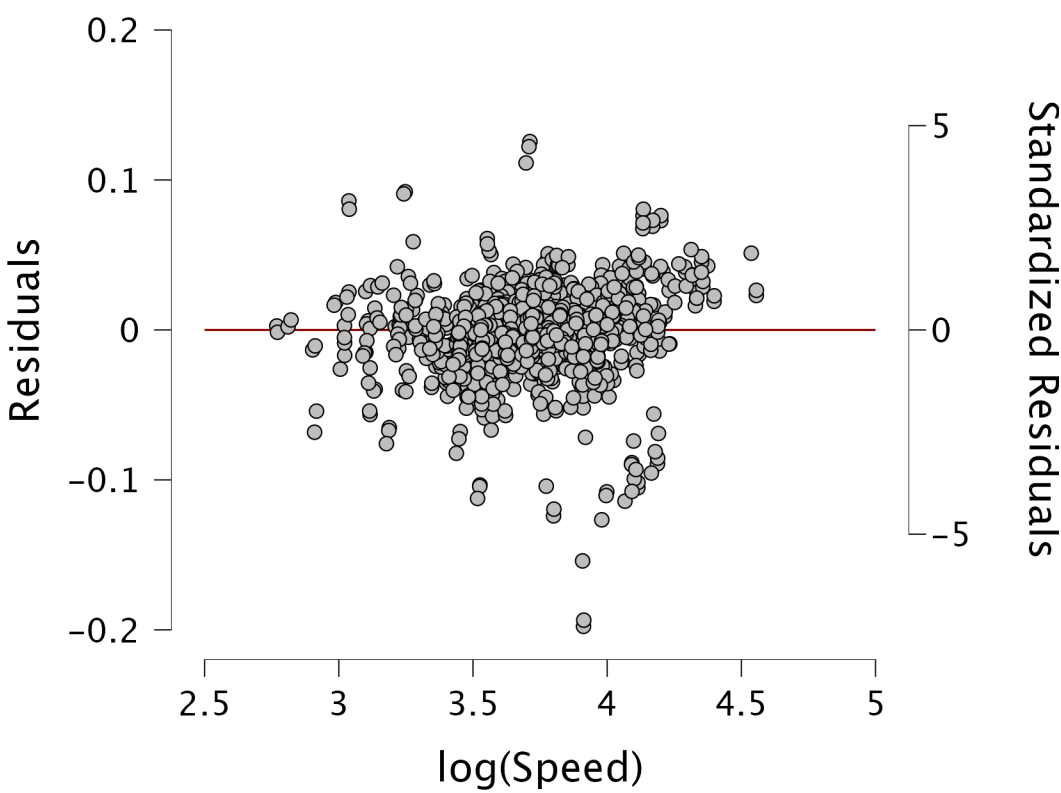
	N	Mean	SD	SE
log(Speed)	1401	3.722	0.251	0.007
Mass	1401	834.313	326.091	8.712
Power	1401	198.497	125.406	3.350
Weight dist F	1401	49.398	7.669	0.205
Size	1401	1944.006	763.993	20.411
Downforce Lift	1401	-841.231	1227.929	32.806
Downforce Drag	1401	691.532	134.907	3.604

Influential Cases

Case Number	Std. Residual	log(Speed)	Predicted Value	Residual	Cook's Distance	Leverage
84	-3.853	4.114	4.220	-0.105	0.010	0.059
85	-3.735	4.115	4.216	-0.102	0.011	0.065
204	-3.268	4.187	4.277	-0.089	0.007	0.057
205	-3.139	4.188	4.274	-0.086	0.007	0.063
655	-7.239	3.912	4.110	-0.198	0.037	0.059
656	-7.110	3.913	4.106	-0.194	0.039	0.065
665	3.327	3.038	2.952	0.086	0.023	0.156
666	3.114	3.039	2.958	0.081	0.020	0.156
667	3.415	3.248	3.155	0.092	0.011	0.081
668	3.363	3.242	3.151	0.091	0.011	0.081
685	-5.659	3.908	4.062	-0.154	0.025	0.065
858	-4.526	3.800	3.924	-0.124	0.013	0.053
859	-4.376	3.802	3.921	-0.119	0.013	0.059
888	-3.815	3.773	3.877	-0.104	0.010	0.059
1332	-3.506	4.165	4.260	-0.095	0.009	0.065
1335	-3.021	3.438	3.520	-0.082	0.007	0.064
1348	-3.858	3.526	3.629	-0.103	0.017	0.093
1349	-3.894	3.525	3.629	-0.104	0.017	0.093
1350	-4.192	3.517	3.629	-0.112	0.020	0.093
1357	4.758	3.712	3.586	0.126	0.035	0.121
1358	4.630	3.709	3.586	0.122	0.033	0.121
1359	4.219	3.698	3.586	0.111	0.027	0.121
1360	-3.248	4.092	4.181	-0.089	0.008	0.063
1361	-3.295	4.091	4.181	-0.090	0.008	0.063
1362	-4.191	4.066	4.181	-0.114	0.013	0.063
1363	-3.967	3.999	4.107	-0.108	0.012	0.066
1364	-4.058	3.996	4.107	-0.110	0.013	0.066
1365	-4.653	3.980	4.107	-0.127	0.017	0.066
1366	-3.651	4.101	4.200	-0.099	0.010	0.066
1367	-3.421	4.107	4.200	-0.093	0.009	0.066
1368	-3.958	4.093	4.200	-0.108	0.012	0.066

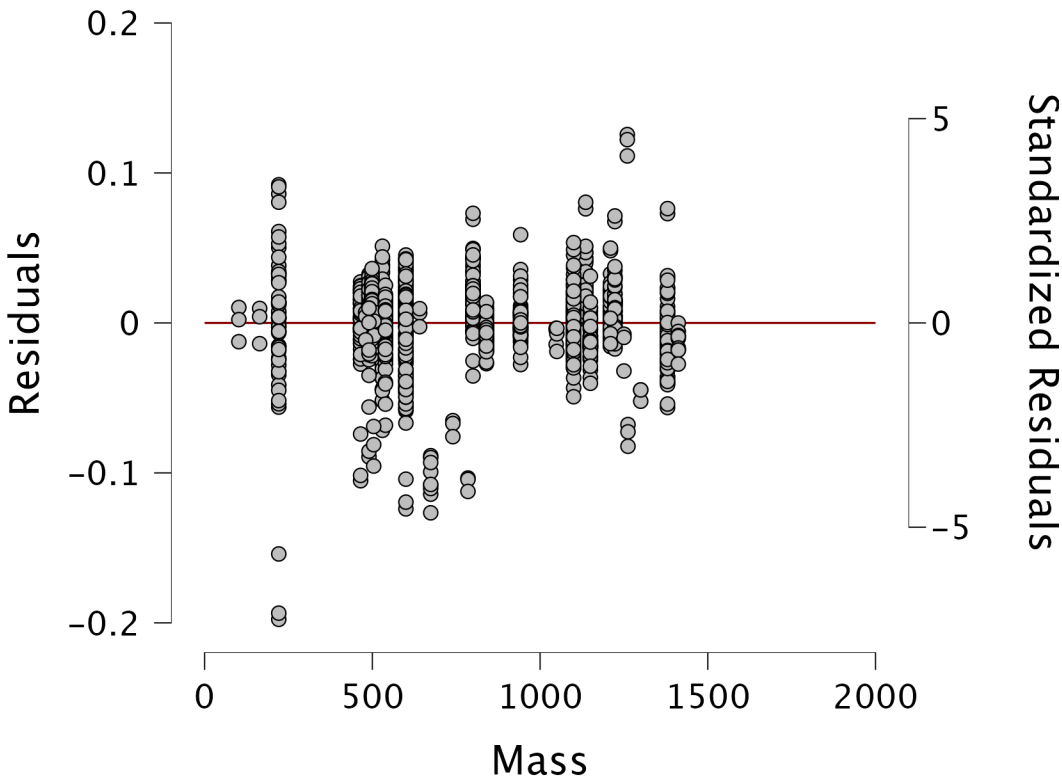
	Minimum	Maximum	Mean	SD	N
Predicted Value	2.766	4.533	3.722	0.250	1401
Residual	-0.198	0.126	-2.345×10^{-18}	0.027	1401
Std. Predicted Value	-3.827	3.244	-6.221×10^{-16}	1.000	1401
Std. Residual	-7.239	4.758	-2.078×10^{-4}	1.002	1401

Residuals vs. Dependent

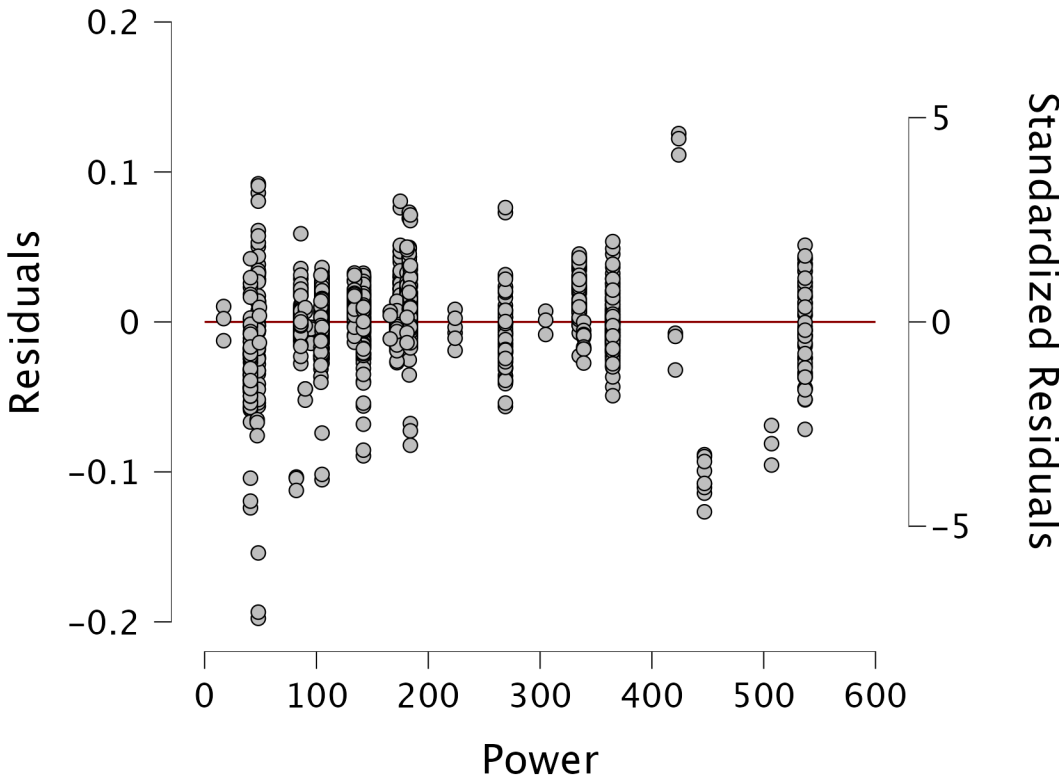


Residuals vs. Covariates

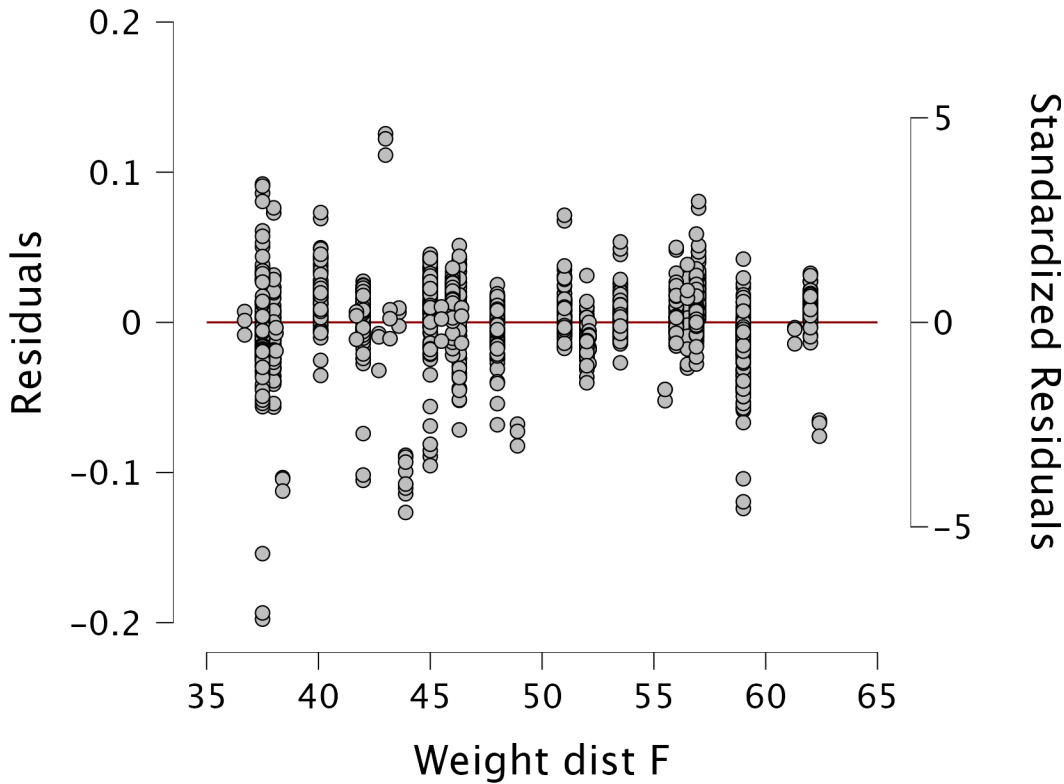
Residuals vs. Mass



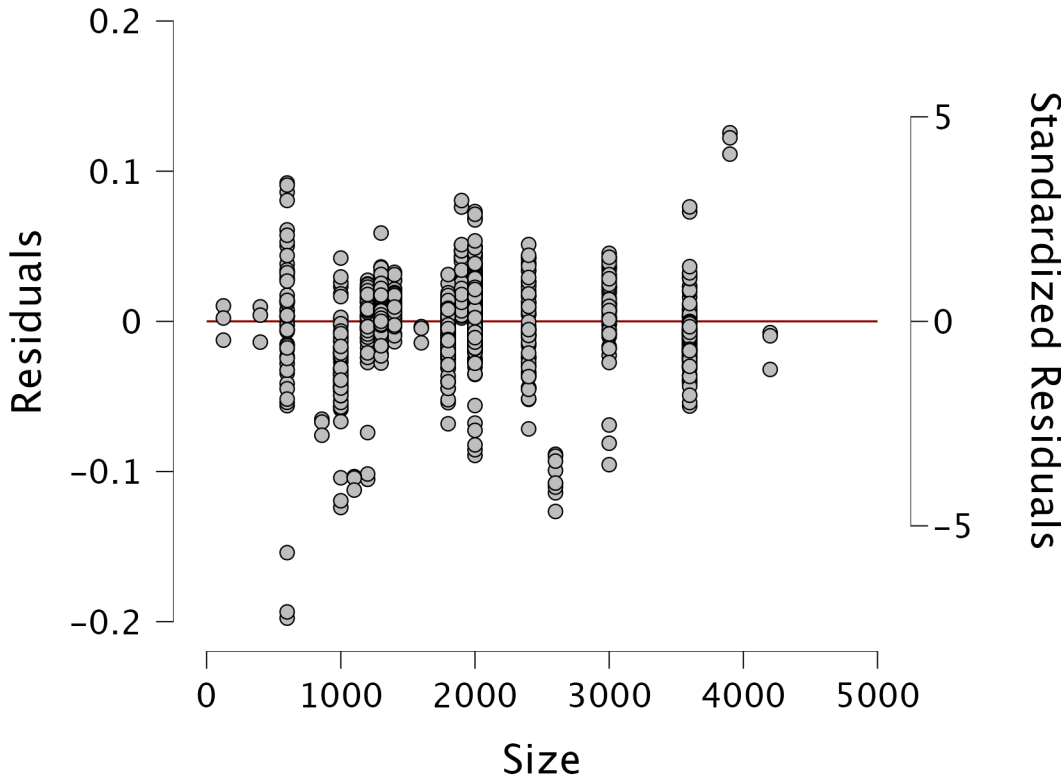
Residuals vs. Power



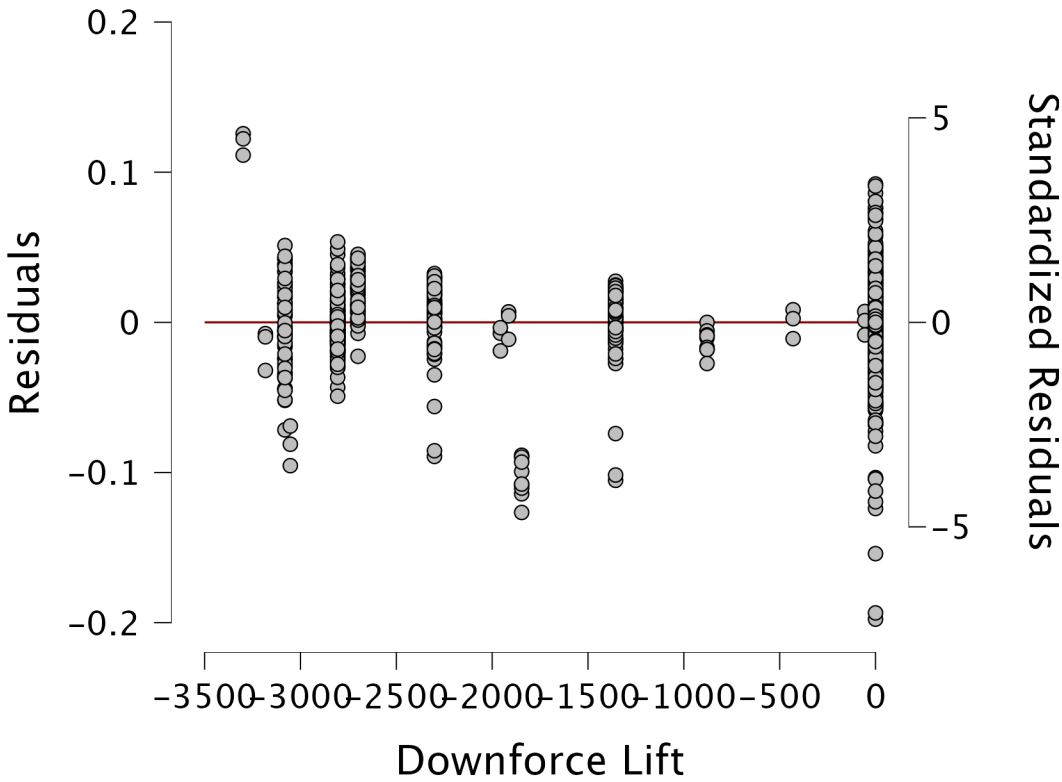
Residuals vs. Weight dist F



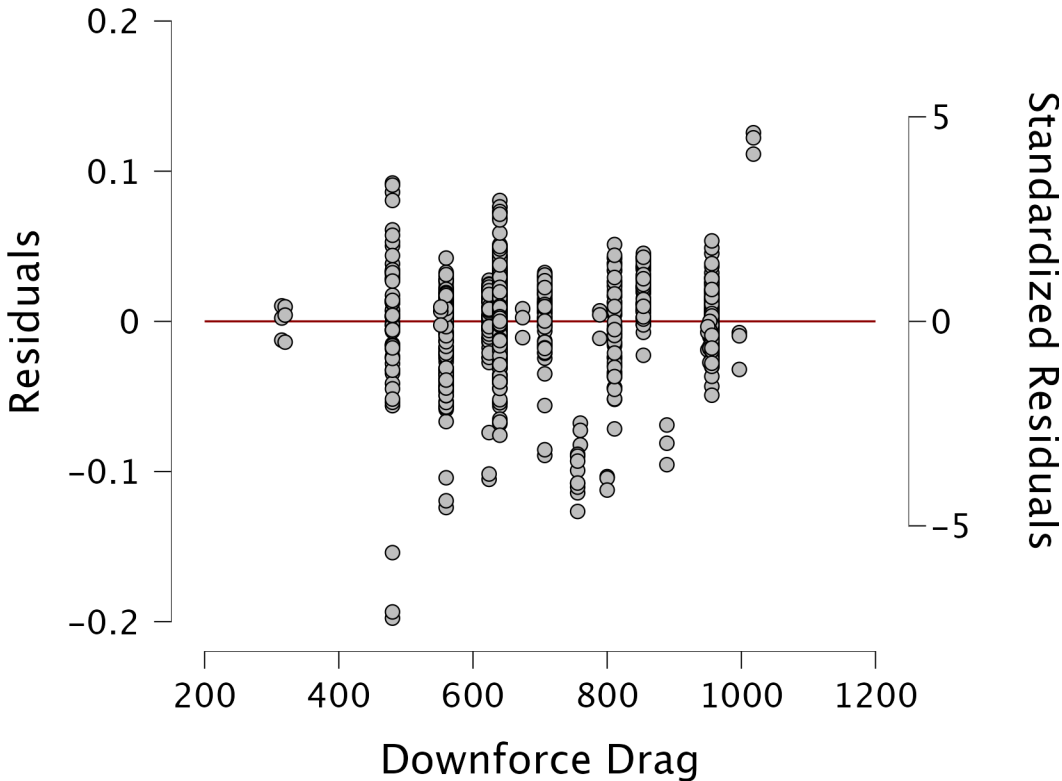
Residuals vs. Size



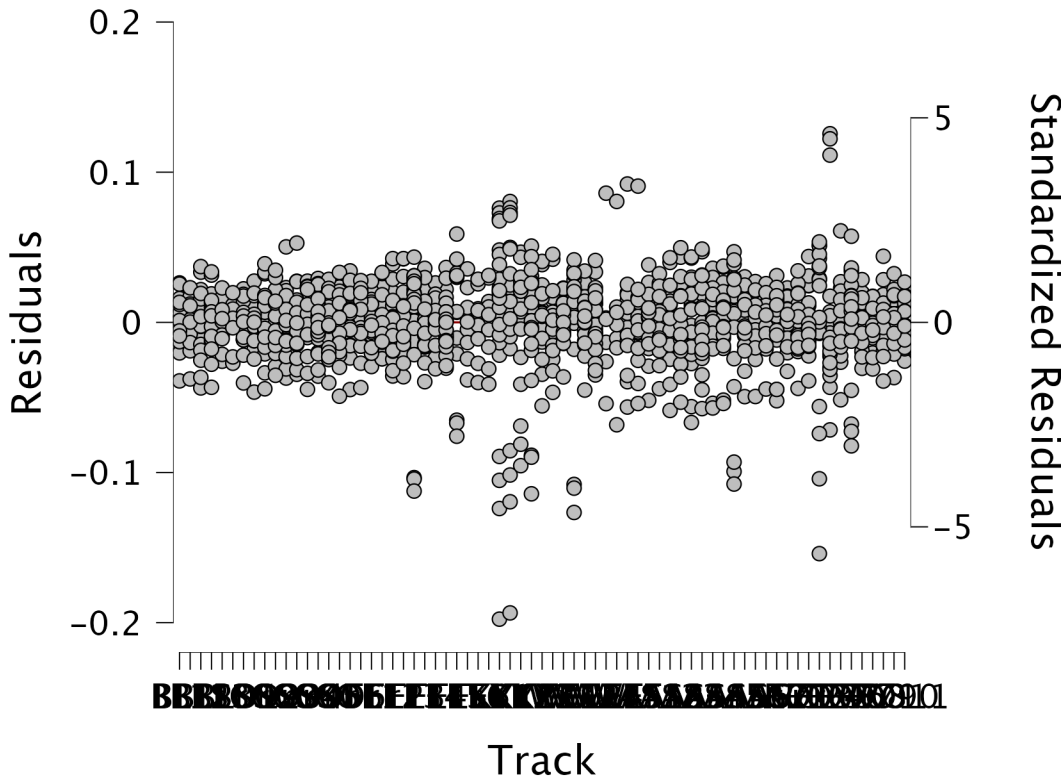
Residuals vs. Downforce Lift



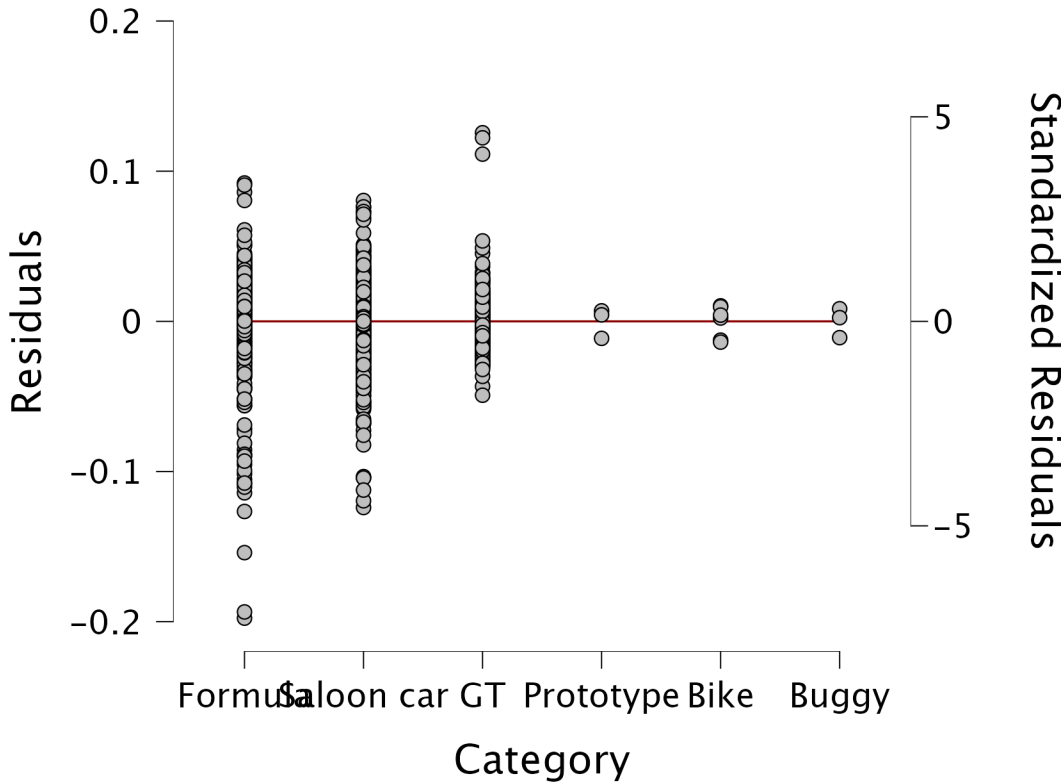
Residuals vs. Downforce Drag



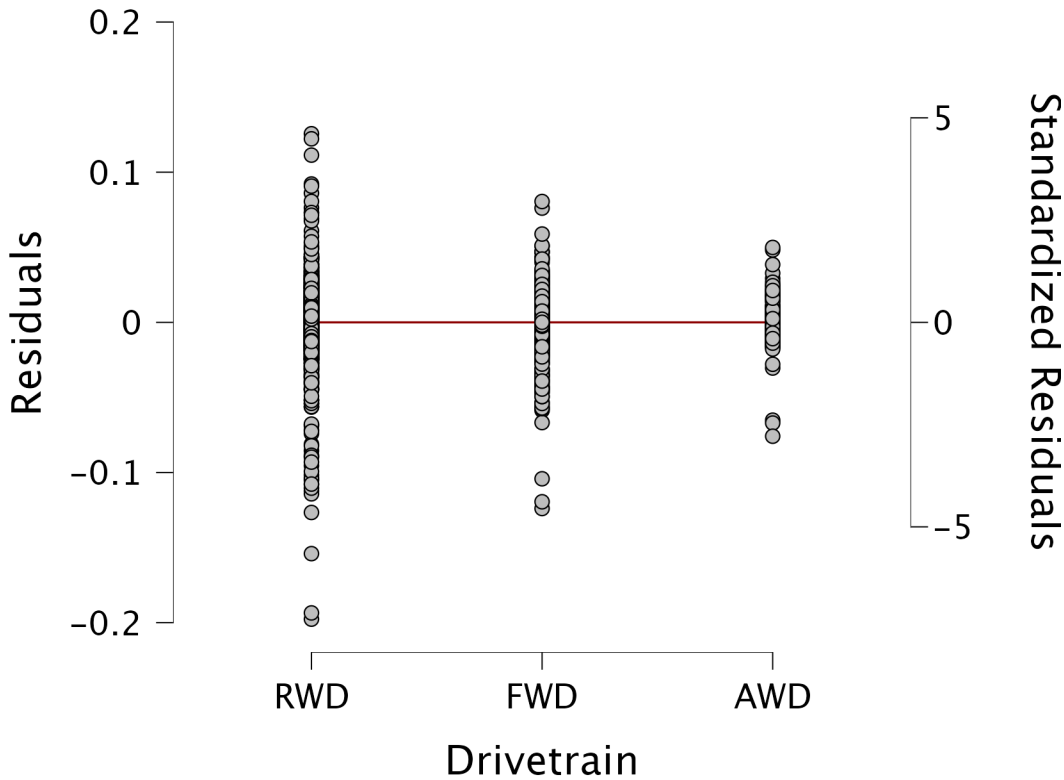
Residuals vs. Track



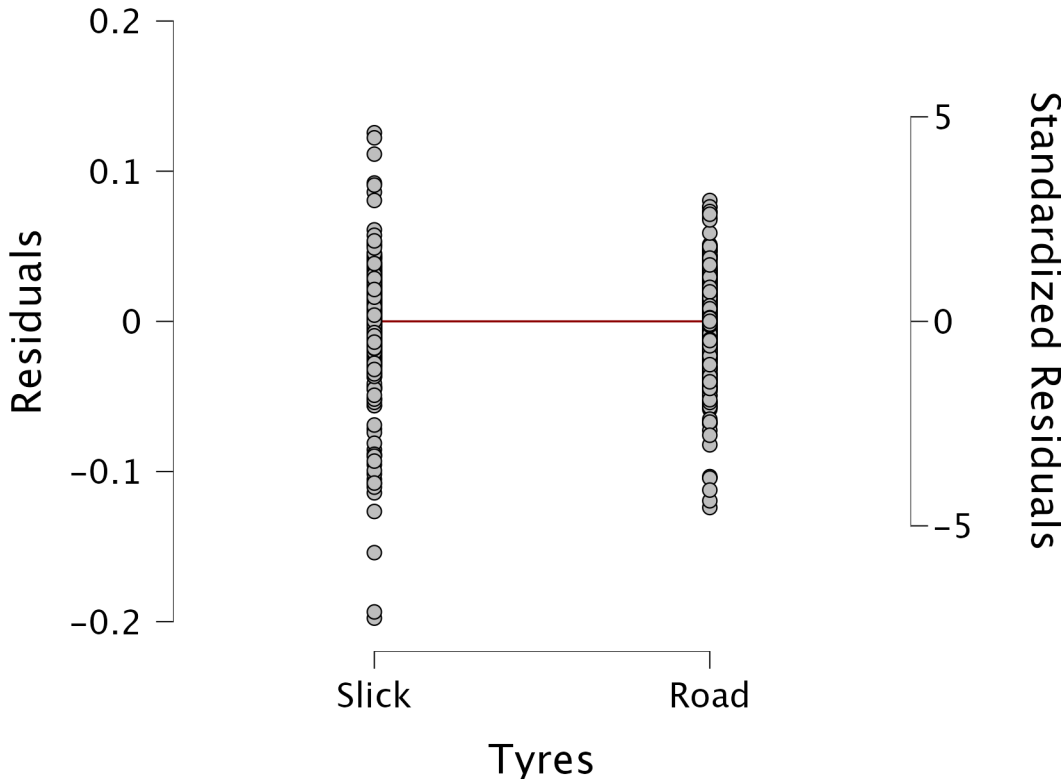
Residuals vs. Category



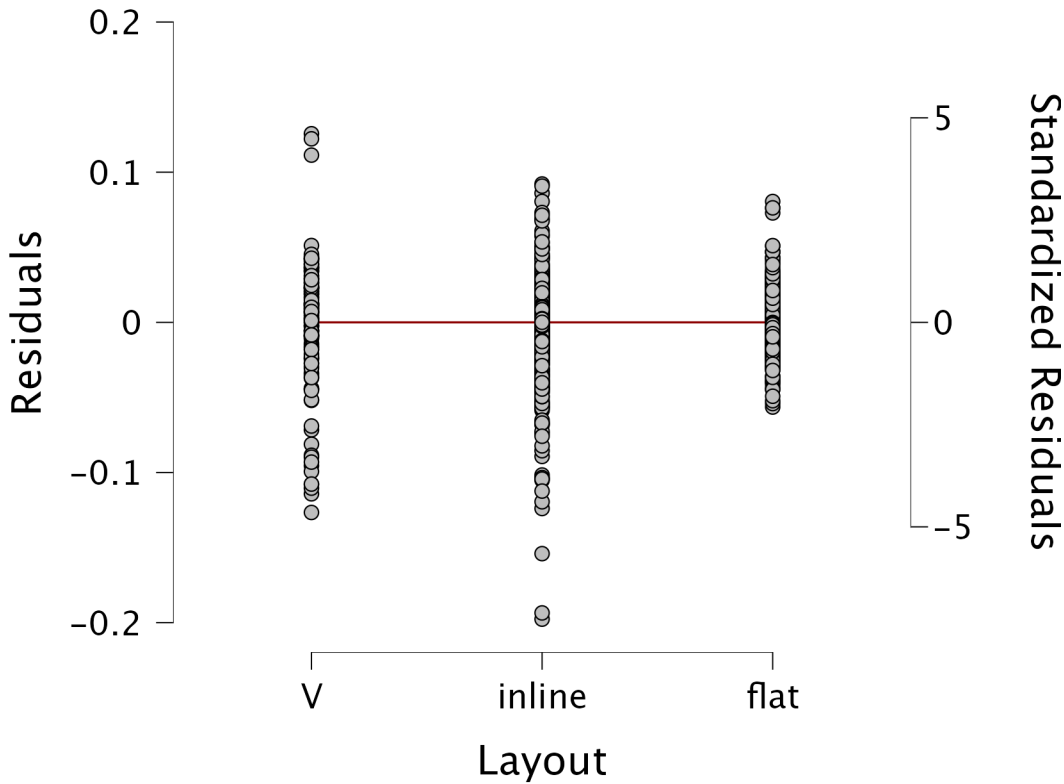
Residuals vs. Drivetrain



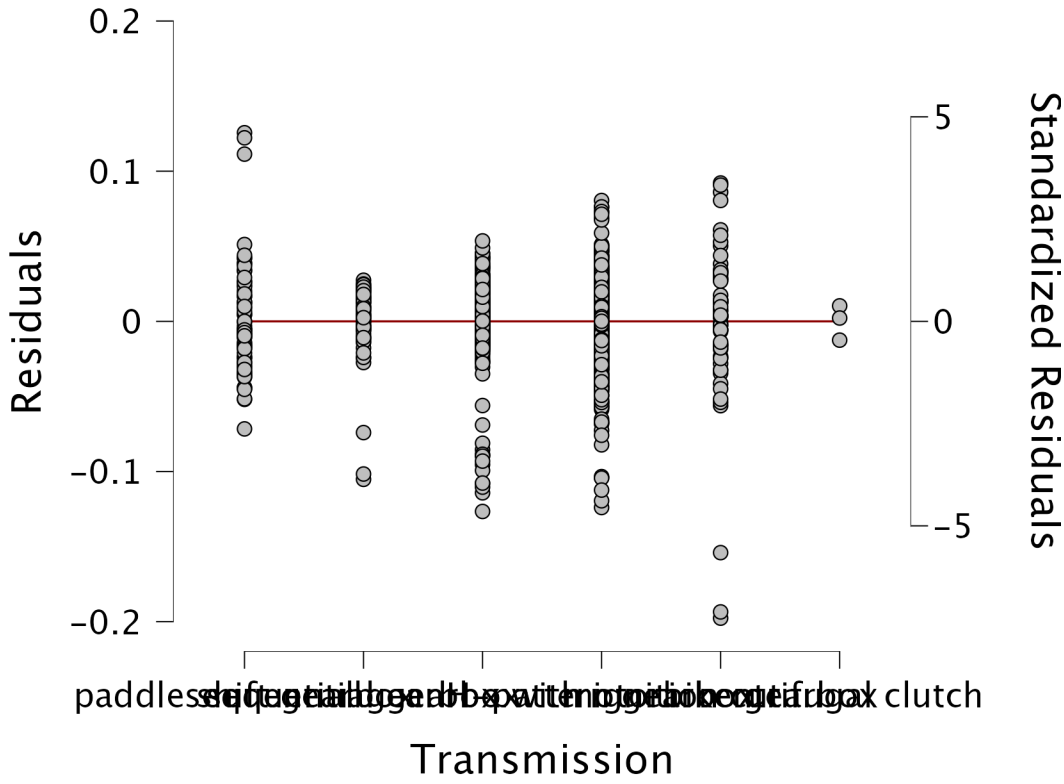
Residuals vs. Tyres



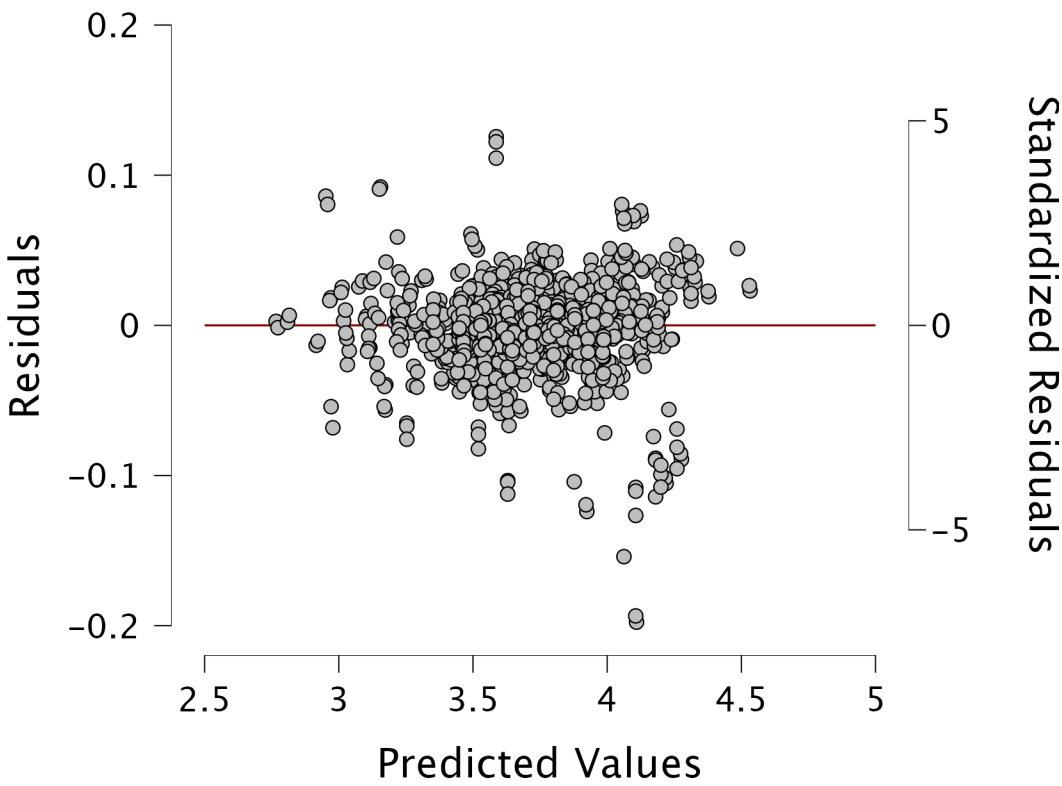
Residuals vs. Layout



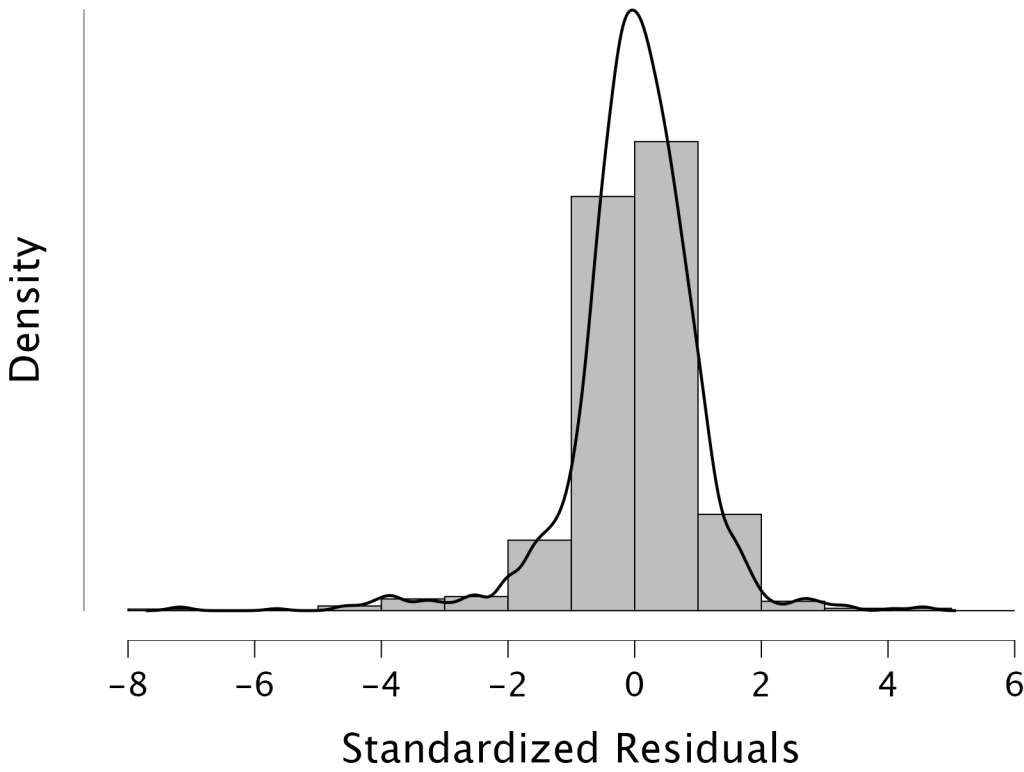
Residuals vs. Transmission



Residuals vs. Predicted



Standardized Residuals Histogram



Q-Q Plot Standardized Residuals

