

### Data Set 14: Car Measurements

The same cars are used in Data Set 13. The data are measurements from cars that have automatic transmissions and were manufactured in the same recent year. WT is weight (lb), LN is length (inches), BRK is braking distance (feet) from 60 mi/h, CYL is the number of cylinders, DISP is the engine displacement (liters), CITY is the fuel consumption (mi/gal) for city driving conditions, HWY is the fuel consumption (mi/gal) for highway driving conditions, and GHG is a measure of greenhouse gas emissions (in tons/year, expressed as CO<sub>2</sub> equivalents).

STATDISK: Data set name is Car Measurements.  
 Minitab: Worksheet name is CARS.MTW.  
 Excel: Workbook name is CARS.XLS.  
 TI-83/84 Plus: App name is CARS and the individual column names are the same as for text files.  
 Text file names: CWT, CLN, CBRK, CCYL, CDISP, CCITY, CHWY, CGHG.

CAR	SIZE	WT	LN	BRK	CYL	DISP	CITY	HWY	GHG
Chev Aveo	Small	2560	154	133	4	1.6	25	34	6.6
Honda Civic	Small	2740	177	136	4	1.8	25	36	6.3
Mitsubishi Lancer	Small	3610	177	126	4	2.0	22	28	7.7
VW Jetta	Small	3225	179	137	4	2.0	29	40	6.4
Hyundai Elantra	Small	2895	177	138	4	2.0	25	33	6.6
Kia Rio	Small	2615	167	132	4	1.6	27	35	6.1
Subaru Impreza	Small	3110	180	135	4	2.5	20	26	8.3
Ford Fusion	Midsized	3320	191	136	4	2.3	20	28	8.0
Nissan Altima	Midsized	3215	190	136	4	2.5	23	31	7.1
Nissan Maxima	Midsized	3555	191	128	6	3.5	19	26	8.3
Honda Accord	Midsized	3270	194	140	4	2.4	21	30	7.7
Volvo S60	Midsized	3465	180	140	5	2.5	19	28	8.0
VW Passat	Midsized	3465	188	135	4	2.0	19	29	8.0
Toyota Camry	Midsized	3530	189	137	4	2.4	21	31	7.3
Toyota Avalon	Large	3600	197	139	6	3.5	19	28	8.0
Hyundai Azera	Large	3835	193	134	6	3.3	18	26	8.7
Cadillac DTS	Large	4085	208	145	8	4.6	15	23	10.2
Lincoln Town	Large	4415	215	143	8	4.6	16	24	9.6
Dodge Charger	Large	4170	200	131	6	2.7	18	26	8.7
Merc Gr Marq	Large	4180	212	140	8	4.6	16	24	9.6
Buick Lucerne	Large	4095	203	143	8	4.6	17	25	10.2