

Basic Dataset Description

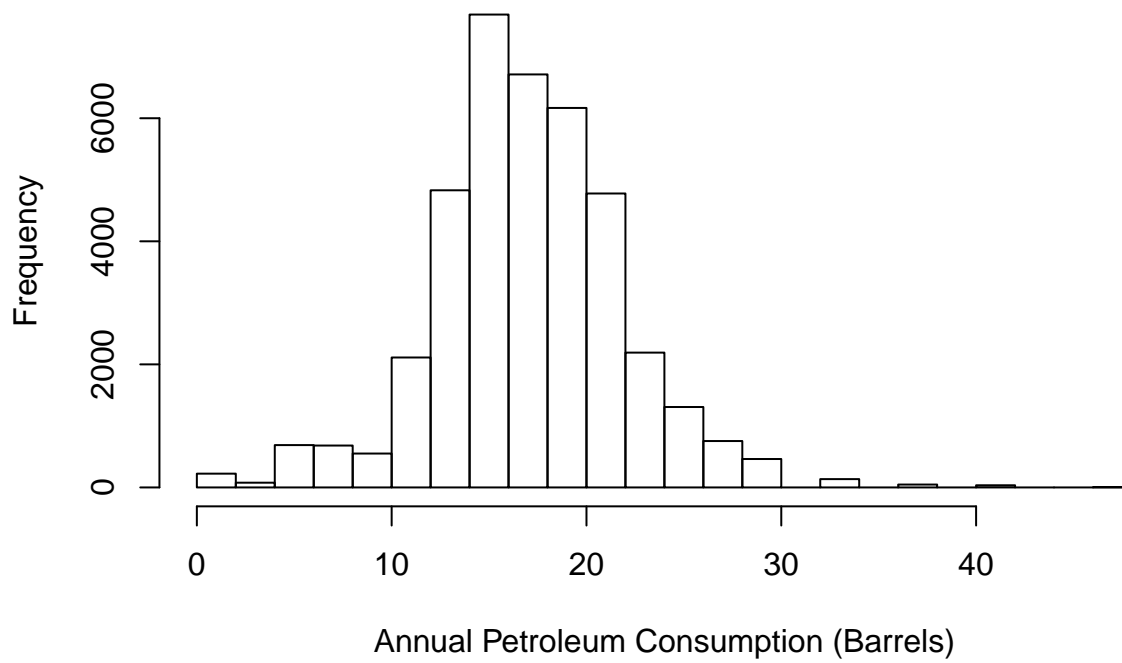
Megan Fantes

October 24, 2016

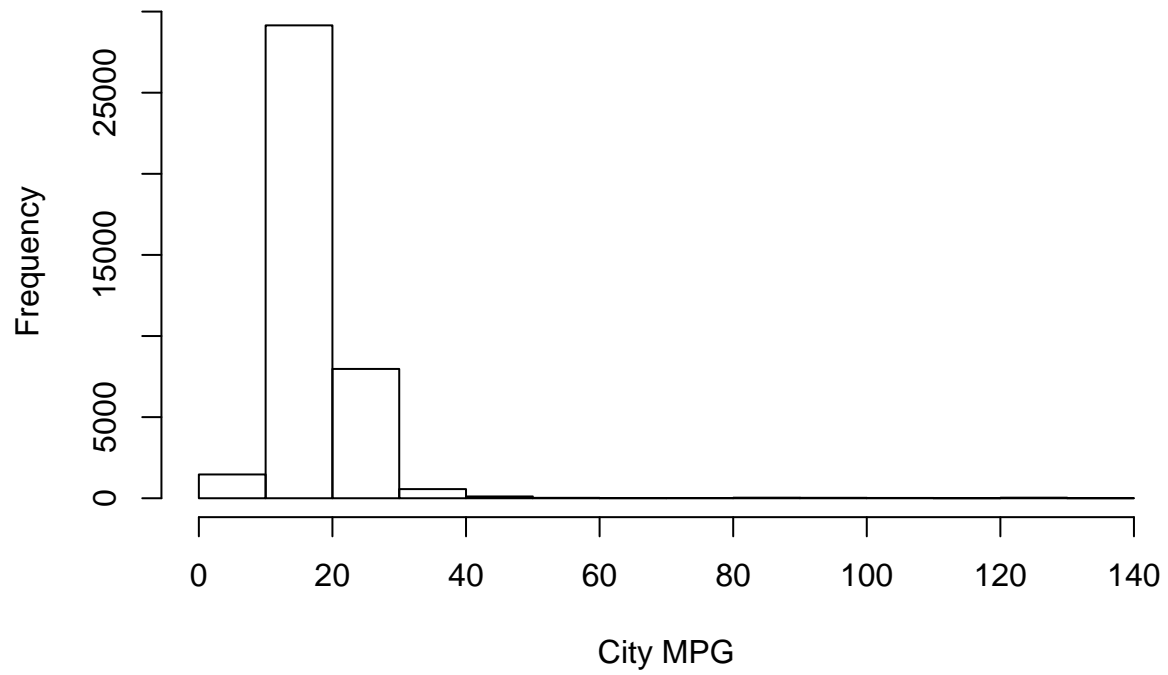
Distribution of Single-Fuel Vehicles vs. Dual-Fuel Vehicles

##	Num_Single_Fuel	Num_Dual_Fuel
## 1	36595	1422

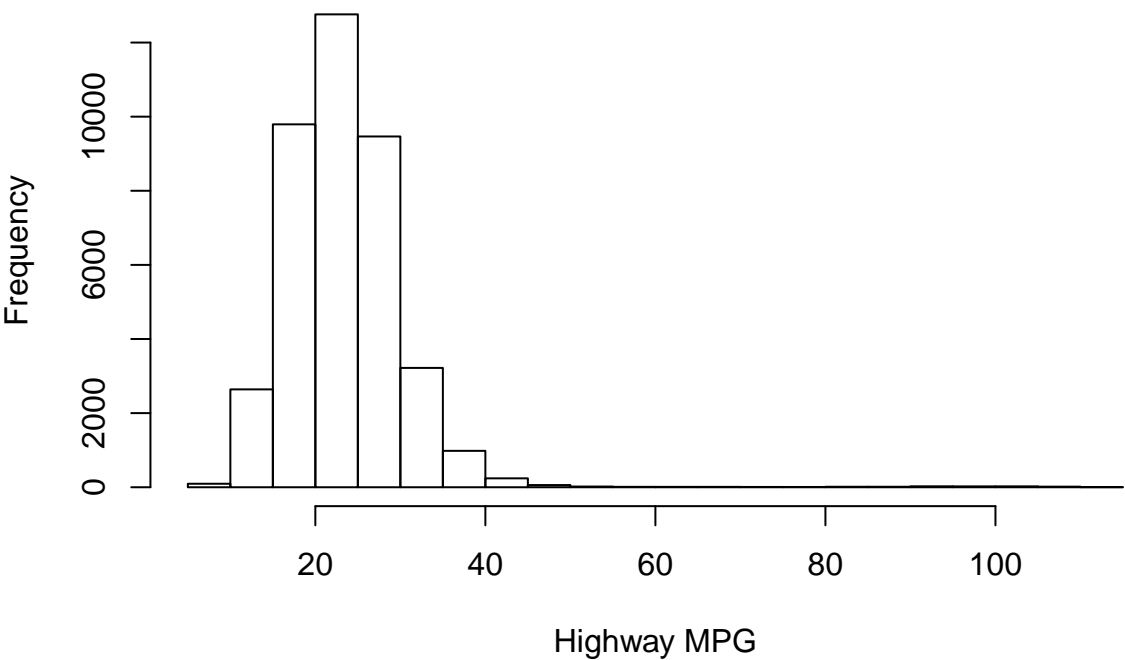
Histogram Annual of Petroleum Consumption



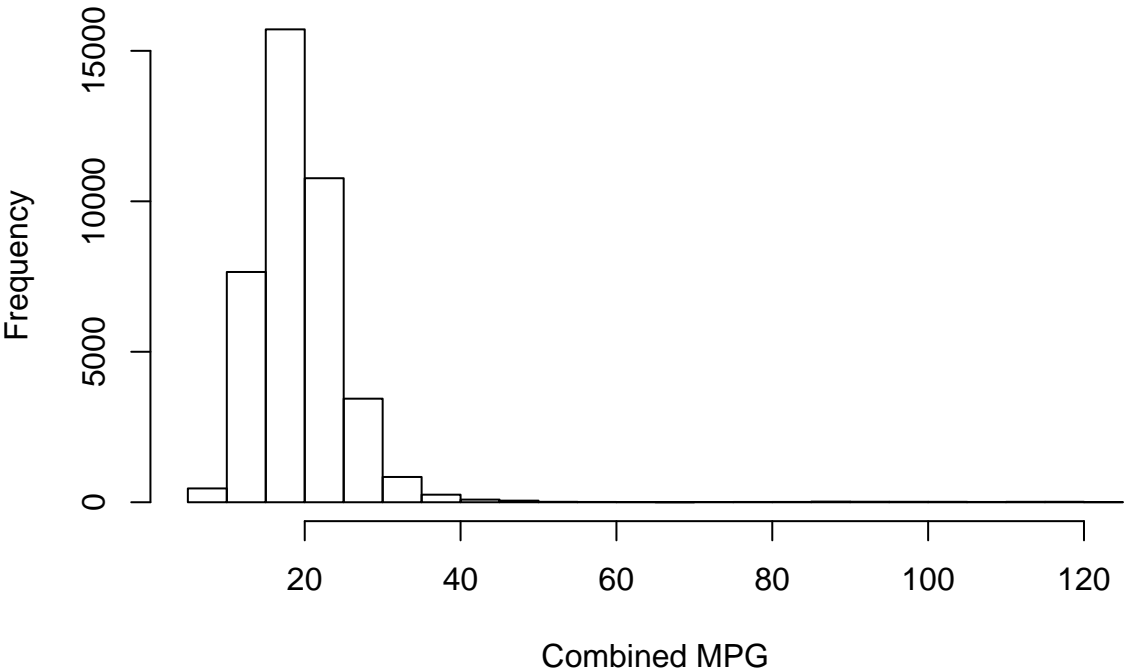
Histogram of City MPG



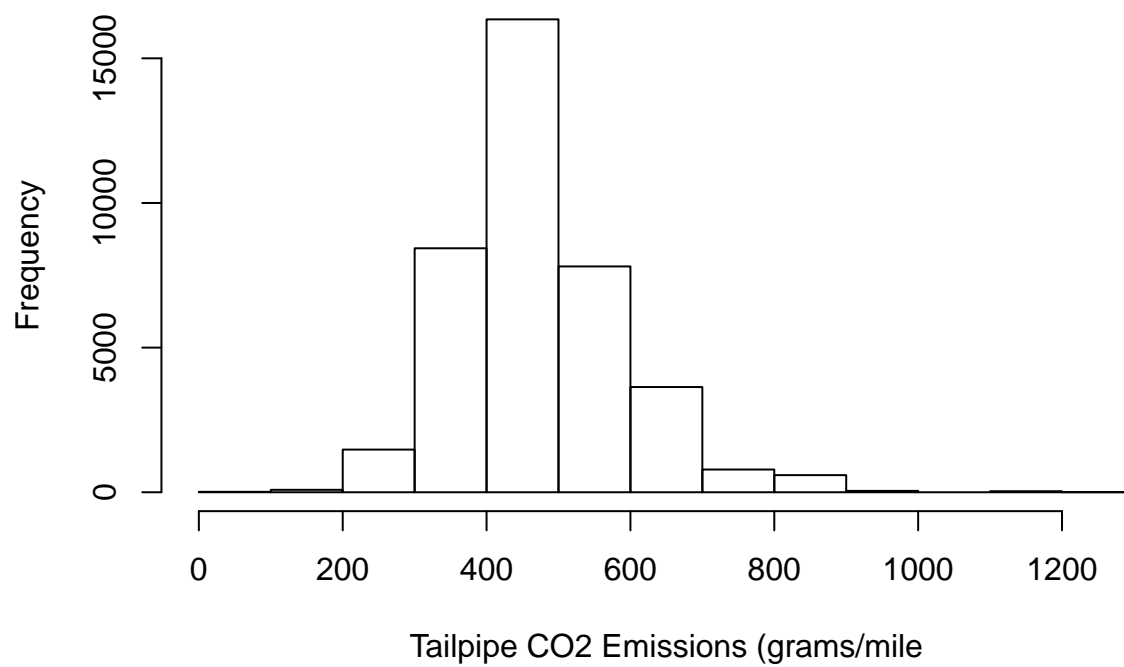
Histogram of Highway MPG



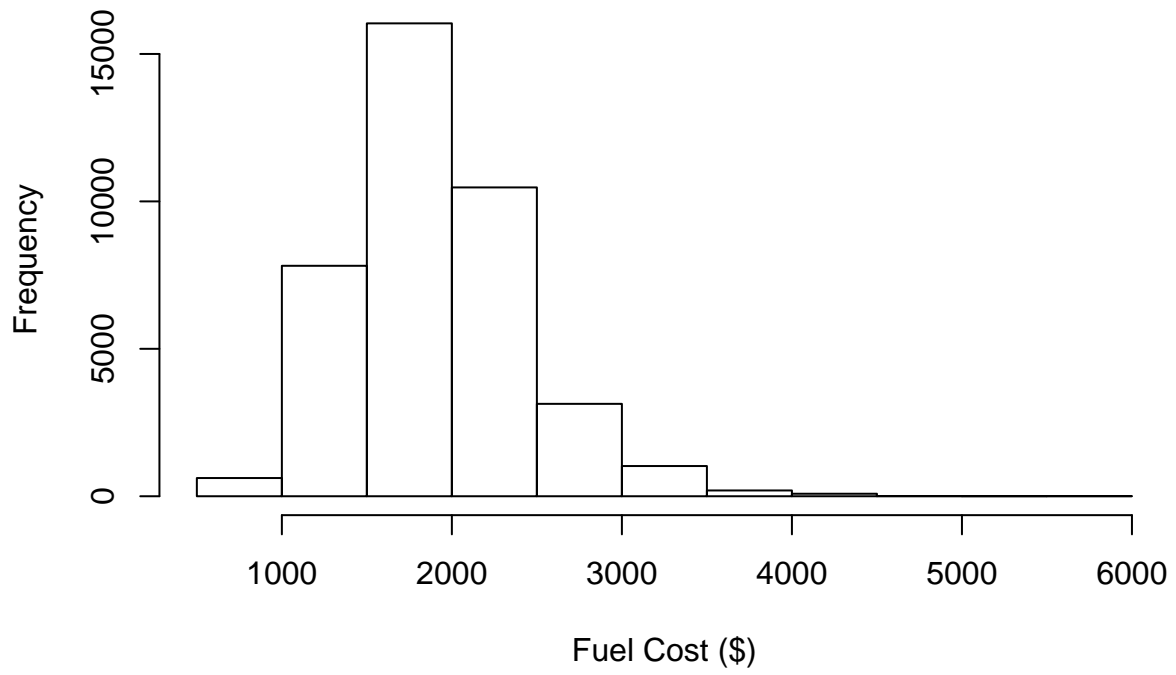
Histogram of Combined MPG

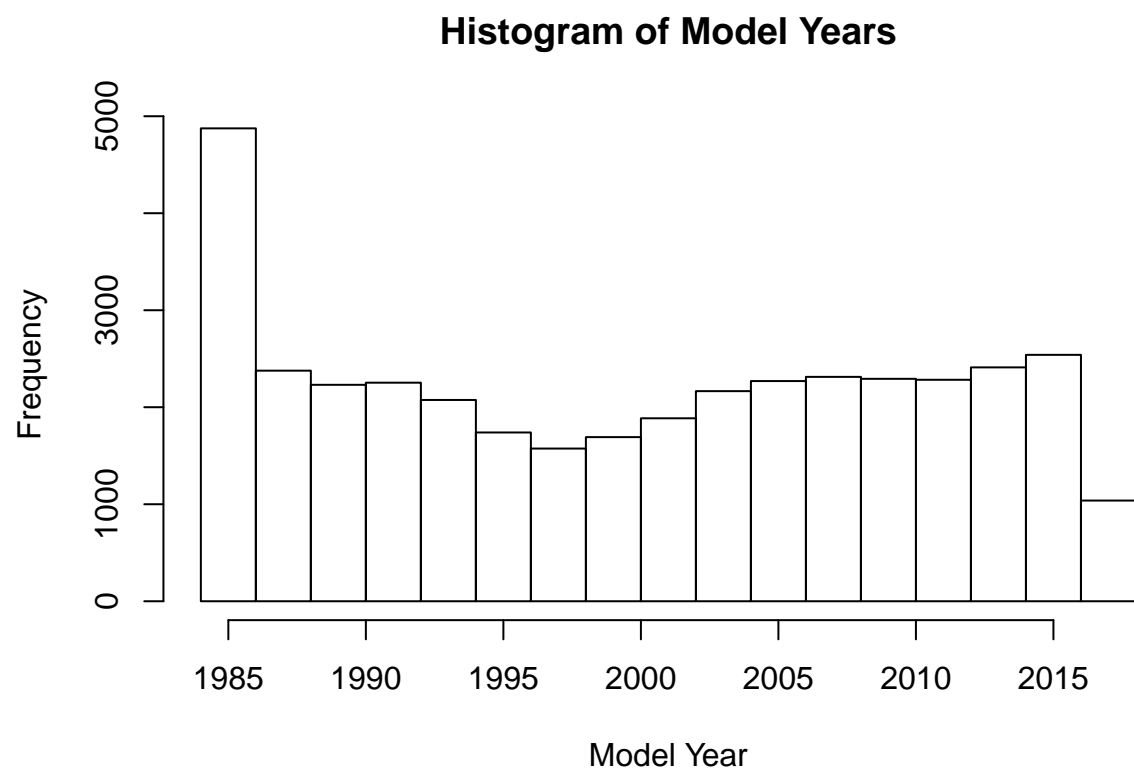


Histogram of Tailpipe CO2 Emissions

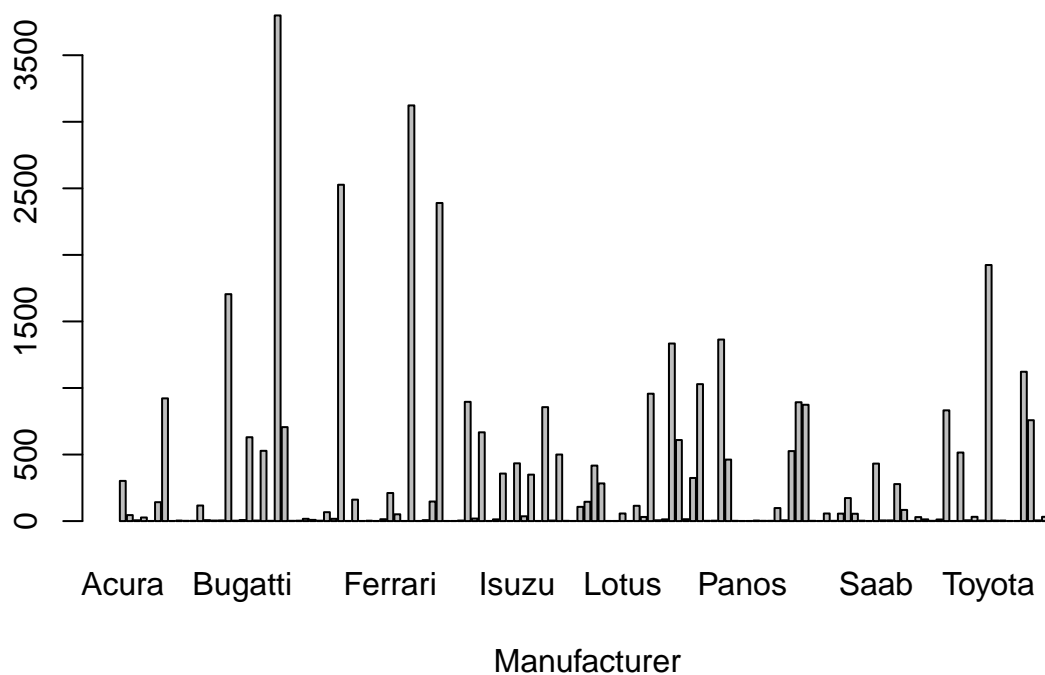


Histogram of Fuel Cost





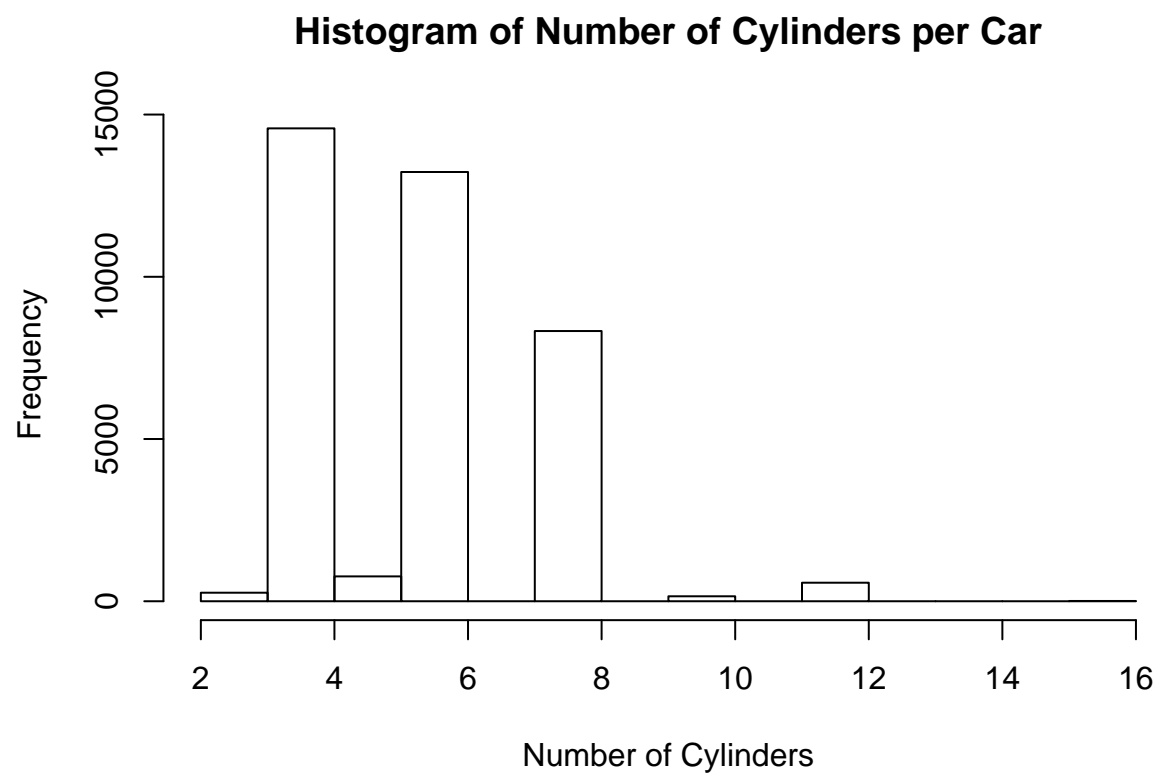
Bar Chart of Manufacturers



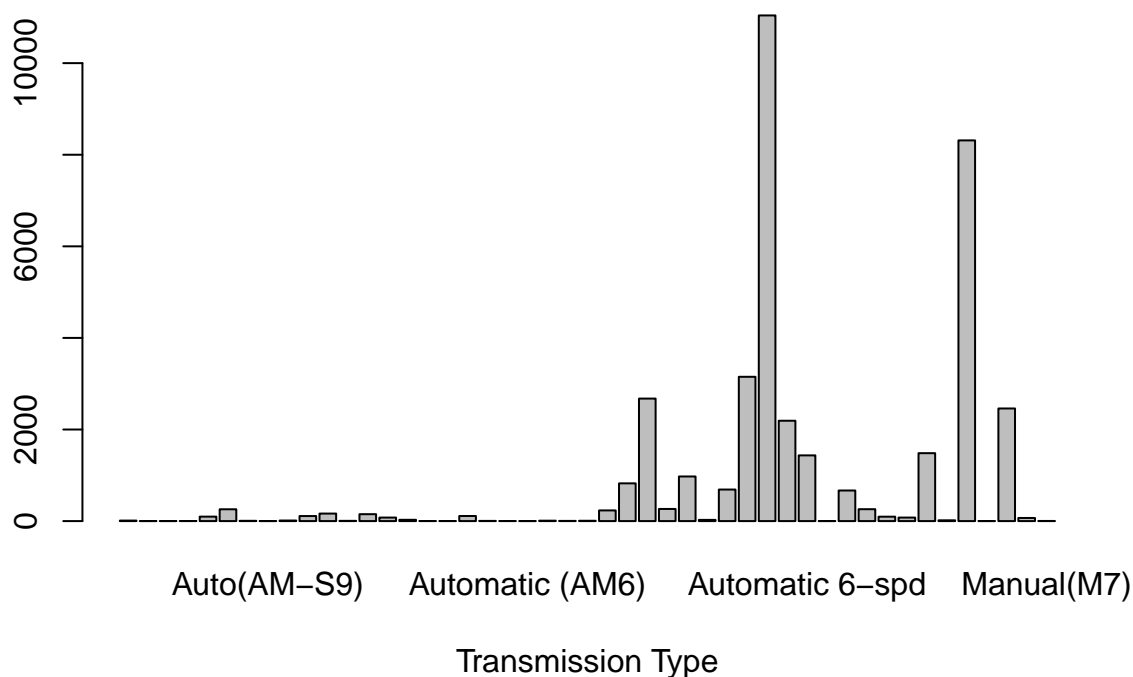
##	Manufacturer	Frequency
## 1	Acura	302
## 2	Alfa Romeo	45
## 3	AM General	6
## 4	American Motors Corporation	27
## 5	ASC Incorporated	1
## 6	Aston Martin	142
## 7	Audi	922
## 8	Aurora Cars Ltd	1
## 9	Autokraft Limited	4
## 10	Avanti Motor Corporation	2
## 11	Azure Dynamics	2
## 12	Bentley	117
## 13	Bertone	7
## 14	Bill Dovell Motor Car Company	4
## 15	Bitter Gmbh and Co. Kg	5
## 16	BMW	1705
## 17	BMW Alpina	3
## 18	Bugatti	8
## 19	Buick	630
## 20	BYD	4
## 21	Cadillac	528
## 22	CCC Engineering	2
## 23	Chevrolet	3799
## 24	Chrysler	706
## 25	CODA Automotive	2

## 26	Consulier Industries Inc	3
## 27	CX Automotive	17
## 28	Dabryan Coach Builders Inc	9
## 29	Dacia	3
## 30	Daewoo	67
## 31	Daihatsu	17
## 32	Dodge	2527
## 33	E. P. Dutton, Inc.	1
## 34	Eagle	161
## 35	Environmental Rsch and Devp Corp	1
## 36	Evans Automobiles	3
## 37	Excalibur Autos	1
## 38	Federal Coach	14
## 39	Ferrari	211
## 40	Fiat	51
## 41	Fisker	1
## 42	Ford	3123
## 43	General Motors	1
## 44	Genesis	7
## 45	Geo	147
## 46	GMC	2390
## 47	Goldacre	1
## 48	Grumman Allied Industries	1
## 49	Grumman Olson	4
## 50	Honda	896
## 51	Hummer	19
## 52	Hyundai	667
## 53	Import Foreign Auto Sales Inc	1
## 54	Import Trade Services	13
## 55	Infiniti	357
## 56	Isis Imports Ltd	1
## 57	Isuzu	434
## 58	J.K. Motors	36
## 59	Jaguar	349
## 60	JBA Motorcars, Inc.	1
## 61	Jeep	856
## 62	Kenyon Corporation Of America	4
## 63	Kia	500
## 64	Laforza Automobile Inc	2
## 65	Lambda Control Systems	1
## 66	Lamborghini	107
## 67	Land Rover	145
## 68	Lexus	417
## 69	Lincoln	283
## 70	London Coach Co Inc	1
## 71	London Taxi	1
## 72	Lotus	57
## 73	Mahindra	1
## 74	Maserati	115
## 75	Maybach	31
## 76	Mazda	957
## 77	Mcevoy Motors	6
## 78	McLaren Automotive	13
## 79	Mercedes-Benz	1334

## 80	Mercury	609
## 81	Merkur	14
## 82	MINI	324
## 83	Mitsubishi	1029
## 84	Mobility Ventures LLC	2
## 85	Morgan	3
## 86	Nissan	1364
## 87	Oldsmobile	462
## 88	Pagani	2
## 89	Panos	1
## 90	Panoz Auto-Development	1
## 91	Panther Car Company Limited	4
## 92	PAS Inc - GMC	2
## 93	PAS, Inc	2
## 94	Peugeot	98
## 95	Pininfarina	6
## 96	Plymouth	526
## 97	Pontiac	893
## 98	Porsche	874
## 99	Quantum Technologies	2
## 100	Qvale	1
## 101	Ram	57
## 102	Red Shift Ltd.	2
## 103	Renault	56
## 104	Rolls-Royce	173
## 105	Roush Performance	55
## 106	Ruf Automobile Gmbh	3
## 107	S and S Coach Company E.p. Dutton	1
## 108	Saab	432
## 109	Saleen	5
## 110	Saleen Performance	5
## 111	Saturn	278
## 112	Scion	84
## 113	Shelby	1
## 114	smart	30
## 115	Spyker	13
## 116	SRT	2
## 117	Sterling	12
## 118	Subaru	832
## 119	Superior Coaches Div E.p. Dutton	1
## 120	Suzuki	515
## 121	Tecstar, LP	6
## 122	Tesla	32
## 123	Texas Coach Company	4
## 124	Toyota	1924
## 125	TVR Engineering Ltd	4
## 126	Vector	4
## 127	Vixen Motor Company	1
## 128	Volga Associated Automobile	1
## 129	Volkswagen	1122
## 130	Volvo	758
## 131	VPG	5
## 132	Wallace Environmental	32
## 133	Yugo	8



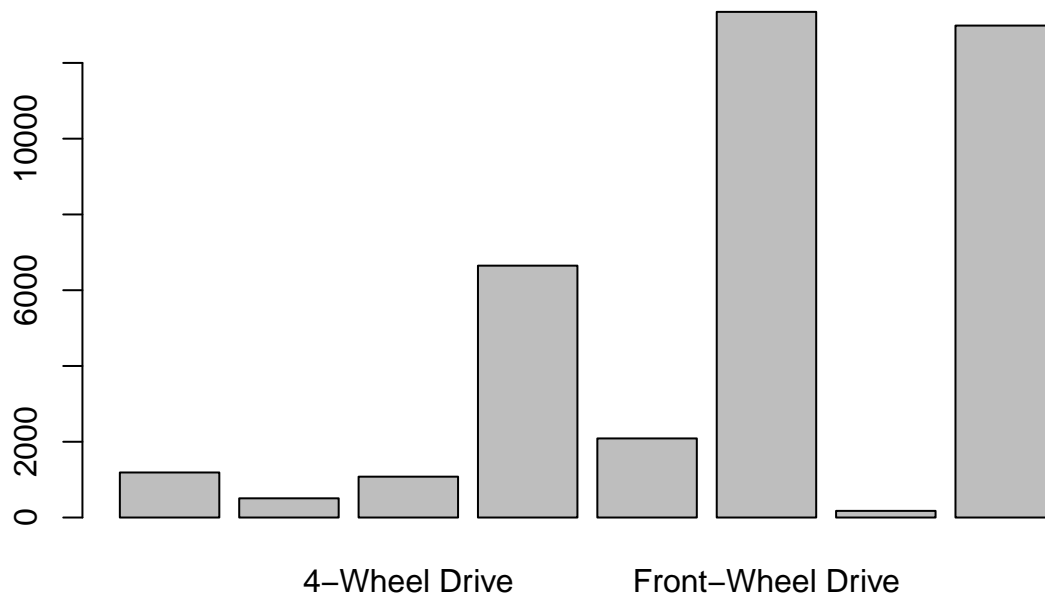
Bar Chart of Transmissions Types



##	Transmission_Type	Frequency
## 1	<NA>	11
## 2	Auto (AV-S6)	1
## 3	Auto (AV-S8)	1
## 4	Auto (AV)	2
## 5	Auto(AM-S6)	97
## 6	Auto(AM-S7)	258
## 7	Auto(AM-S8)	6
## 8	Auto(AM-S9)	1
## 9	Auto(AM5)	12
## 10	Auto(AM6)	110
## 11	Auto(AM7)	164
## 12	Auto(AM8)	5
## 13	Auto(AV-S6)	151
## 14	Auto(AV-S7)	77
## 15	Auto(AV-S8)	28
## 16	Auto(L3)	2
## 17	Auto(L4)	2
## 18	Automatic (A1)	111
## 19	Automatic (A6)	4
## 20	Automatic (AM5)	2
## 21	Automatic (AM6)	1
## 22	Automatic (AV-S6)	9
## 23	Automatic (AV)	4
## 24	Automatic (S10)	7
## 25	Automatic (S4)	233

## 26	Automatic (S5)	824
## 27	Automatic (S6)	2675
## 28	Automatic (S7)	265
## 29	Automatic (S8)	974
## 30	Automatic (S9)	26
## 31	Automatic (variable gear ratios)	689
## 32	Automatic 3-spd	3151
## 33	Automatic 4-spd	11042
## 34	Automatic 5-spd	2191
## 35	Automatic 6-spd	1435
## 36	Automatic 6spd	1
## 37	Automatic 7-spd	668
## 38	Automatic 8-spd	260
## 39	Automatic 9-spd	96
## 40	Manual 3-spd	77
## 41	Manual 4-spd	1483
## 42	Manual 4-spd Doubled	17
## 43	Manual 5-spd	8313
## 44	Manual 5 spd	1
## 45	Manual 6-spd	2459
## 46	Manual 7-spd	68
## 47	Manual (M7)	3

Bar Chart of Types of Drive (Front v. Rear)



##	Drive_Type	Frequency
## 1	<NA>	1189

## 2	2-Wheel Drive	507
## 3	4-Wheel Drive	1078
## 4	4-Wheel or All-Wheel Drive	6648
## 5	All-Wheel Drive	2088
## 6	Front-Wheel Drive	13347
## 7	Part-time 4-Wheel Drive	175
## 8	Rear-Wheel Drive	12985