

Setting Up R

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```
install.packages("ISLR", repos = "http://cran.us.r-project.org")

##
## The downloaded binary packages are in
##
/var/folders/s0/bmcnbw5s19v51v5f0f11cj_m0000gn/T//Rtmpna6zgf/downloaded_packages

library(ISLR)

X<-Carseats
summary(Carseats)

##      Sales      CompPrice      Income      Advertising
## Min.   : 0.000   Min.   : 77   Min.   : 21.00   Min.   : 0.000
## 1st Qu.: 5.390   1st Qu.:115   1st Qu.: 42.75   1st Qu.: 0.000
## Median : 7.490   Median :125   Median : 69.00   Median : 5.000
## Mean   : 7.496   Mean   :125   Mean   : 68.66   Mean   : 6.635
## 3rd Qu.: 9.320   3rd Qu.:135   3rd Qu.: 91.00   3rd Qu.:12.000
## Max.   :16.270   Max.   :175   Max.   :120.00   Max.   :29.000
##      Population      Price      ShelfLoc      Age      Education
## Min.   : 10.0   Min.   : 24.0   Bad    : 96   Min.   :25.00   Min.   :10.0
## 1st Qu.:139.0   1st Qu.:100.0   Good   : 85   1st Qu.:39.75   1st Qu.:12.0
## Median :272.0   Median :117.0   Medium:219   Median :54.50   Median :14.0
## Mean   :264.8   Mean   :115.8                      Mean   :53.32   Mean   :13.9
## 3rd Qu.:398.5   3rd Qu.:131.0                      3rd Qu.:66.00   3rd Qu.:16.0
## Max.   :509.0   Max.   :191.0                      Max.   :80.00   Max.   :18.0
##      Urban      US
## No :118   No :142
## Yes:282   Yes:258
##
##
##
##

print(Carseats)

##      Sales CompPrice Income Advertising Population Price ShelfLoc Age
## Education
## 1      9.50      138      73           11         276    120      Bad  42
## 17
## 2     11.22      111      48           16         260     83     Good  65
```

10									
## 3	10.06	113	35	10	269	80	Medium	59	
12									
## 4	7.40	117	100	4	466	97	Medium	55	
14									
## 5	4.15	141	64	3	340	128	Bad	38	
13									
## 6	10.81	124	113	13	501	72	Bad	78	
16									
## 7	6.63	115	105	0	45	108	Medium	71	
15									
## 8	11.85	136	81	15	425	120	Good	67	
10									
## 9	6.54	132	110	0	108	124	Medium	76	
10									
## 10	4.69	132	113	0	131	124	Medium	76	
17									
## 11	9.01	121	78	9	150	100	Bad	26	
10									
## 12	11.96	117	94	4	503	94	Good	50	
13									
## 13	3.98	122	35	2	393	136	Medium	62	
18									
## 14	10.96	115	28	11	29	86	Good	53	
18									
## 15	11.17	107	117	11	148	118	Good	52	
18									
## 16	8.71	149	95	5	400	144	Medium	76	
18									
## 17	7.58	118	32	0	284	110	Good	63	
13									
## 18	12.29	147	74	13	251	131	Good	52	
10									
## 19	13.91	110	110	0	408	68	Good	46	
17									
## 20	8.73	129	76	16	58	121	Medium	69	
12									
## 21	6.41	125	90	2	367	131	Medium	35	
18									
## 22	12.13	134	29	12	239	109	Good	62	
18									
## 23	5.08	128	46	6	497	138	Medium	42	
13									
## 24	5.87	121	31	0	292	109	Medium	79	
10									
## 25	10.14	145	119	16	294	113	Bad	42	
12									
## 26	14.90	139	32	0	176	82	Good	54	
11									
## 27	8.33	107	115	11	496	131	Good	50	

11									
##	28	5.27	98	118	0	19	107	Medium	64
17									
##	29	2.99	103	74	0	359	97	Bad	55
11									
##	30	7.81	104	99	15	226	102	Bad	58
17									
##	31	13.55	125	94	0	447	89	Good	30
12									
##	32	8.25	136	58	16	241	131	Medium	44
18									
##	33	6.20	107	32	12	236	137	Good	64
10									
##	34	8.77	114	38	13	317	128	Good	50
16									
##	35	2.67	115	54	0	406	128	Medium	42
17									
##	36	11.07	131	84	11	29	96	Medium	44
17									
##	37	8.89	122	76	0	270	100	Good	60
18									
##	38	4.95	121	41	5	412	110	Medium	54
10									
##	39	6.59	109	73	0	454	102	Medium	65
15									
##	40	3.24	130	60	0	144	138	Bad	38
10									
##	41	2.07	119	98	0	18	126	Bad	73
17									
##	42	7.96	157	53	0	403	124	Bad	58
16									
##	43	10.43	77	69	0	25	24	Medium	50
18									
##	44	4.12	123	42	11	16	134	Medium	59
13									
##	45	4.16	85	79	6	325	95	Medium	69
13									
##	46	4.56	141	63	0	168	135	Bad	44
12									
##	47	12.44	127	90	14	16	70	Medium	48
15									
##	48	4.38	126	98	0	173	108	Bad	55
16									
##	49	3.91	116	52	0	349	98	Bad	69
18									
##	50	10.61	157	93	0	51	149	Good	32
17									
##	51	1.42	99	32	18	341	108	Bad	80
16									
##	52	4.42	121	90	0	150	108	Bad	75

16									
##	53	7.91	153	40	3	112	129	Bad	39
18									
##	54	6.92	109	64	13	39	119	Medium	61
17									
##	55	4.90	134	103	13	25	144	Medium	76
17									
##	56	6.85	143	81	5	60	154	Medium	61
18									
##	57	11.91	133	82	0	54	84	Medium	50
17									
##	58	0.91	93	91	0	22	117	Bad	75
11									
##	59	5.42	103	93	15	188	103	Bad	74
16									
##	60	5.21	118	71	4	148	114	Medium	80
13									
##	61	8.32	122	102	19	469	123	Bad	29
13									
##	62	7.32	105	32	0	358	107	Medium	26
13									
##	63	1.82	139	45	0	146	133	Bad	77
17									
##	64	8.47	119	88	10	170	101	Medium	61
13									
##	65	7.80	100	67	12	184	104	Medium	32
16									
##	66	4.90	122	26	0	197	128	Medium	55
13									
##	67	8.85	127	92	0	508	91	Medium	56
18									
##	68	9.01	126	61	14	152	115	Medium	47
16									
##	69	13.39	149	69	20	366	134	Good	60
13									
##	70	7.99	127	59	0	339	99	Medium	65
12									
##	71	9.46	89	81	15	237	99	Good	74
12									
##	72	6.50	148	51	16	148	150	Medium	58
17									
##	73	5.52	115	45	0	432	116	Medium	25
15									
##	74	12.61	118	90	10	54	104	Good	31
11									
##	75	6.20	150	68	5	125	136	Medium	64
13									
##	76	8.55	88	111	23	480	92	Bad	36
16									
##	77	10.64	102	87	10	346	70	Medium	64

15									
## 78	7.70	118	71	12	44	89	Medium	67	
18									
## 79	4.43	134	48	1	139	145	Medium	65	
12									
## 80	9.14	134	67	0	286	90	Bad	41	
13									
## 81	8.01	113	100	16	353	79	Bad	68	
11									
## 82	7.52	116	72	0	237	128	Good	70	
13									
## 83	11.62	151	83	4	325	139	Good	28	
17									
## 84	4.42	109	36	7	468	94	Bad	56	
11									
## 85	2.23	111	25	0	52	121	Bad	43	
18									
## 86	8.47	125	103	0	304	112	Medium	49	
13									
## 87	8.70	150	84	9	432	134	Medium	64	
15									
## 88	11.70	131	67	7	272	126	Good	54	
16									
## 89	6.56	117	42	7	144	111	Medium	62	
10									
## 90	7.95	128	66	3	493	119	Medium	45	
16									
## 91	5.33	115	22	0	491	103	Medium	64	
11									
## 92	4.81	97	46	11	267	107	Medium	80	
15									
## 93	4.53	114	113	0	97	125	Medium	29	
12									
## 94	8.86	145	30	0	67	104	Medium	55	
17									
## 95	8.39	115	97	5	134	84	Bad	55	
11									
## 96	5.58	134	25	10	237	148	Medium	59	
13									
## 97	9.48	147	42	10	407	132	Good	73	
16									
## 98	7.45	161	82	5	287	129	Bad	33	
16									
## 99	12.49	122	77	24	382	127	Good	36	
16									
## 100	4.88	121	47	3	220	107	Bad	56	
16									
## 101	4.11	113	69	11	94	106	Medium	76	
12									
## 102	6.20	128	93	0	89	118	Medium	34	

18									
##	103	5.30	113	22	0	57	97	Medium	65
16									
##	104	5.07	123	91	0	334	96	Bad	78
17									
##	105	4.62	121	96	0	472	138	Medium	51
12									
##	106	5.55	104	100	8	398	97	Medium	61
11									
##	107	0.16	102	33	0	217	139	Medium	70
18									
##	108	8.55	134	107	0	104	108	Medium	60
12									
##	109	3.47	107	79	2	488	103	Bad	65
16									
##	110	8.98	115	65	0	217	90	Medium	60
17									
##	111	9.00	128	62	7	125	116	Medium	43
14									
##	112	6.62	132	118	12	272	151	Medium	43
14									
##	113	6.67	116	99	5	298	125	Good	62
12									
##	114	6.01	131	29	11	335	127	Bad	33
12									
##	115	9.31	122	87	9	17	106	Medium	65
13									
##	116	8.54	139	35	0	95	129	Medium	42
13									
##	117	5.08	135	75	0	202	128	Medium	80
10									
##	118	8.80	145	53	0	507	119	Medium	41
12									
##	119	7.57	112	88	2	243	99	Medium	62
11									
##	120	7.37	130	94	8	137	128	Medium	64
12									
##	121	6.87	128	105	11	249	131	Medium	63
13									
##	122	11.67	125	89	10	380	87	Bad	28
10									
##	123	6.88	119	100	5	45	108	Medium	75
10									
##	124	8.19	127	103	0	125	155	Good	29
15									
##	125	8.87	131	113	0	181	120	Good	63
14									
##	126	9.34	89	78	0	181	49	Medium	43
15									
##	127	11.27	153	68	2	60	133	Good	59

16									
##	128	6.52	125	48	3	192	116	Medium	51
14									
##	129	4.96	133	100	3	350	126	Bad	55
13									
##	130	4.47	143	120	7	279	147	Bad	40
10									
##	131	8.41	94	84	13	497	77	Medium	51
12									
##	132	6.50	108	69	3	208	94	Medium	77
16									
##	133	9.54	125	87	9	232	136	Good	72
10									
##	134	7.62	132	98	2	265	97	Bad	62
12									
##	135	3.67	132	31	0	327	131	Medium	76
16									
##	136	6.44	96	94	14	384	120	Medium	36
18									
##	137	5.17	131	75	0	10	120	Bad	31
18									
##	138	6.52	128	42	0	436	118	Medium	80
11									
##	139	10.27	125	103	12	371	109	Medium	44
10									
##	140	12.30	146	62	10	310	94	Medium	30
13									
##	141	6.03	133	60	10	277	129	Medium	45
18									
##	142	6.53	140	42	0	331	131	Bad	28
15									
##	143	7.44	124	84	0	300	104	Medium	77
15									
##	144	0.53	122	88	7	36	159	Bad	28
17									
##	145	9.09	132	68	0	264	123	Good	34
11									
##	146	8.77	144	63	11	27	117	Medium	47
17									
##	147	3.90	114	83	0	412	131	Bad	39
14									
##	148	10.51	140	54	9	402	119	Good	41
16									
##	149	7.56	110	119	0	384	97	Medium	72
14									
##	150	11.48	121	120	13	140	87	Medium	56
11									
##	151	10.49	122	84	8	176	114	Good	57
10									
##	152	10.77	111	58	17	407	103	Good	75

17									
##	153	7.64	128	78	0	341	128	Good	45
13									
##	154	5.93	150	36	7	488	150	Medium	25
17									
##	155	6.89	129	69	10	289	110	Medium	50
16									
##	156	7.71	98	72	0	59	69	Medium	65
16									
##	157	7.49	146	34	0	220	157	Good	51
16									
##	158	10.21	121	58	8	249	90	Medium	48
13									
##	159	12.53	142	90	1	189	112	Good	39
10									
##	160	9.32	119	60	0	372	70	Bad	30
18									
##	161	4.67	111	28	0	486	111	Medium	29
12									
##	162	2.93	143	21	5	81	160	Medium	67
12									
##	163	3.63	122	74	0	424	149	Medium	51
13									
##	164	5.68	130	64	0	40	106	Bad	39
17									
##	165	8.22	148	64	0	58	141	Medium	27
13									
##	166	0.37	147	58	7	100	191	Bad	27
15									
##	167	6.71	119	67	17	151	137	Medium	55
11									
##	168	6.71	106	73	0	216	93	Medium	60
13									
##	169	7.30	129	89	0	425	117	Medium	45
10									
##	170	11.48	104	41	15	492	77	Good	73
18									
##	171	8.01	128	39	12	356	118	Medium	71
10									
##	172	12.49	93	106	12	416	55	Medium	75
15									
##	173	9.03	104	102	13	123	110	Good	35
16									
##	174	6.38	135	91	5	207	128	Medium	66
18									
##	175	0.00	139	24	0	358	185	Medium	79
15									
##	176	7.54	115	89	0	38	122	Medium	25
12									
##	177	5.61	138	107	9	480	154	Medium	47

11									
##	178	10.48	138	72	0	148	94	Medium	27
17									
##	179	10.66	104	71	14	89	81	Medium	25
14									
##	180	7.78	144	25	3	70	116	Medium	77
18									
##	181	4.94	137	112	15	434	149	Bad	66
13									
##	182	7.43	121	83	0	79	91	Medium	68
11									
##	183	4.74	137	60	4	230	140	Bad	25
13									
##	184	5.32	118	74	6	426	102	Medium	80
18									
##	185	9.95	132	33	7	35	97	Medium	60
11									
##	186	10.07	130	100	11	449	107	Medium	64
10									
##	187	8.68	120	51	0	93	86	Medium	46
17									
##	188	6.03	117	32	0	142	96	Bad	62
17									
##	189	8.07	116	37	0	426	90	Medium	76
15									
##	190	12.11	118	117	18	509	104	Medium	26
15									
##	191	8.79	130	37	13	297	101	Medium	37
13									
##	192	6.67	156	42	13	170	173	Good	74
14									
##	193	7.56	108	26	0	408	93	Medium	56
14									
##	194	13.28	139	70	7	71	96	Good	61
10									
##	195	7.23	112	98	18	481	128	Medium	45
11									
##	196	4.19	117	93	4	420	112	Bad	66
11									
##	197	4.10	130	28	6	410	133	Bad	72
16									
##	198	2.52	124	61	0	333	138	Medium	76
16									
##	199	3.62	112	80	5	500	128	Medium	69
10									
##	200	6.42	122	88	5	335	126	Medium	64
14									
##	201	5.56	144	92	0	349	146	Medium	62
12									
##	202	5.94	138	83	0	139	134	Medium	54

18									
##	203	4.10	121	78	4	413	130	Bad	46
10									
##	204	2.05	131	82	0	132	157	Bad	25
14									
##	205	8.74	155	80	0	237	124	Medium	37
14									
##	206	5.68	113	22	1	317	132	Medium	28
12									
##	207	4.97	162	67	0	27	160	Medium	77
17									
##	208	8.19	111	105	0	466	97	Bad	61
10									
##	209	7.78	86	54	0	497	64	Bad	33
12									
##	210	3.02	98	21	11	326	90	Bad	76
11									
##	211	4.36	125	41	2	357	123	Bad	47
14									
##	212	9.39	117	118	14	445	120	Medium	32
15									
##	213	12.04	145	69	19	501	105	Medium	45
11									
##	214	8.23	149	84	5	220	139	Medium	33
10									
##	215	4.83	115	115	3	48	107	Medium	73
18									
##	216	2.34	116	83	15	170	144	Bad	71
11									
##	217	5.73	141	33	0	243	144	Medium	34
17									
##	218	4.34	106	44	0	481	111	Medium	70
14									
##	219	9.70	138	61	12	156	120	Medium	25
14									
##	220	10.62	116	79	19	359	116	Good	58
17									
##	221	10.59	131	120	15	262	124	Medium	30
10									
##	222	6.43	124	44	0	125	107	Medium	80
11									
##	223	7.49	136	119	6	178	145	Medium	35
13									
##	224	3.45	110	45	9	276	125	Medium	62
14									
##	225	4.10	134	82	0	464	141	Medium	48
13									
##	226	6.68	107	25	0	412	82	Bad	36
14									
##	227	7.80	119	33	0	245	122	Good	56

14									
##	228	8.69	113	64	10	68	101	Medium	57
16									
##	229	5.40	149	73	13	381	163	Bad	26
11									
##	230	11.19	98	104	0	404	72	Medium	27
18									
##	231	5.16	115	60	0	119	114	Bad	38
14									
##	232	8.09	132	69	0	123	122	Medium	27
11									
##	233	13.14	137	80	10	24	105	Good	61
15									
##	234	8.65	123	76	18	218	120	Medium	29
14									
##	235	9.43	115	62	11	289	129	Good	56
16									
##	236	5.53	126	32	8	95	132	Medium	50
17									
##	237	9.32	141	34	16	361	108	Medium	69
10									
##	238	9.62	151	28	8	499	135	Medium	48
10									
##	239	7.36	121	24	0	200	133	Good	73
13									
##	240	3.89	123	105	0	149	118	Bad	62
16									
##	241	10.31	159	80	0	362	121	Medium	26
18									
##	242	12.01	136	63	0	160	94	Medium	38
12									
##	243	4.68	124	46	0	199	135	Medium	52
14									
##	244	7.82	124	25	13	87	110	Medium	57
10									
##	245	8.78	130	30	0	391	100	Medium	26
18									
##	246	10.00	114	43	0	199	88	Good	57
10									
##	247	6.90	120	56	20	266	90	Bad	78
18									
##	248	5.04	123	114	0	298	151	Bad	34
16									
##	249	5.36	111	52	0	12	101	Medium	61
11									
##	250	5.05	125	67	0	86	117	Bad	65
11									
##	251	9.16	137	105	10	435	156	Good	72
14									
##	252	3.72	139	111	5	310	132	Bad	62

13									
##	253	8.31	133	97	0	70	117	Medium	32
16									
##	254	5.64	124	24	5	288	122	Medium	57
12									
##	255	9.58	108	104	23	353	129	Good	37
17									
##	256	7.71	123	81	8	198	81	Bad	80
15									
##	257	4.20	147	40	0	277	144	Medium	73
10									
##	258	8.67	125	62	14	477	112	Medium	80
13									
##	259	3.47	108	38	0	251	81	Bad	72
14									
##	260	5.12	123	36	10	467	100	Bad	74
11									
##	261	7.67	129	117	8	400	101	Bad	36
10									
##	262	5.71	121	42	4	188	118	Medium	54
15									
##	263	6.37	120	77	15	86	132	Medium	48
18									
##	264	7.77	116	26	6	434	115	Medium	25
17									
##	265	6.95	128	29	5	324	159	Good	31
15									
##	266	5.31	130	35	10	402	129	Bad	39
17									
##	267	9.10	128	93	12	343	112	Good	73
17									
##	268	5.83	134	82	7	473	112	Bad	51
12									
##	269	6.53	123	57	0	66	105	Medium	39
11									
##	270	5.01	159	69	0	438	166	Medium	46
17									
##	271	11.99	119	26	0	284	89	Good	26
10									
##	272	4.55	111	56	0	504	110	Medium	62
16									
##	273	12.98	113	33	0	14	63	Good	38
12									
##	274	10.04	116	106	8	244	86	Medium	58
12									
##	275	7.22	135	93	2	67	119	Medium	34
11									
##	276	6.67	107	119	11	210	132	Medium	53
11									
##	277	6.93	135	69	14	296	130	Medium	73

15									
##	278	7.80	136	48	12	326	125	Medium	36
16									
##	279	7.22	114	113	2	129	151	Good	40
15									
##	280	3.42	141	57	13	376	158	Medium	64
18									
##	281	2.86	121	86	10	496	145	Bad	51
10									
##	282	11.19	122	69	7	303	105	Good	45
16									
##	283	7.74	150	96	0	80	154	Good	61
11									
##	284	5.36	135	110	0	112	117	Medium	80
16									
##	285	6.97	106	46	11	414	96	Bad	79
17									
##	286	7.60	146	26	11	261	131	Medium	39
10									
##	287	7.53	117	118	11	429	113	Medium	67
18									
##	288	6.88	95	44	4	208	72	Bad	44
17									
##	289	6.98	116	40	0	74	97	Medium	76
15									
##	290	8.75	143	77	25	448	156	Medium	43
17									
##	291	9.49	107	111	14	400	103	Medium	41
11									
##	292	6.64	118	70	0	106	89	Bad	39
17									
##	293	11.82	113	66	16	322	74	Good	76
15									
##	294	11.28	123	84	0	74	89	Good	59
10									
##	295	12.66	148	76	3	126	99	Good	60
11									
##	296	4.21	118	35	14	502	137	Medium	79
10									
##	297	8.21	127	44	13	160	123	Good	63
18									
##	298	3.07	118	83	13	276	104	Bad	75
10									
##	299	10.98	148	63	0	312	130	Good	63
15									
##	300	9.40	135	40	17	497	96	Medium	54
17									
##	301	8.57	116	78	1	158	99	Medium	45
11									
##	302	7.41	99	93	0	198	87	Medium	57

16									
##	303	5.28	108	77	13	388	110	Bad	74
14									
##	304	10.01	133	52	16	290	99	Medium	43
11									
##	305	11.93	123	98	12	408	134	Good	29
10									
##	306	8.03	115	29	26	394	132	Medium	33
13									
##	307	4.78	131	32	1	85	133	Medium	48
12									
##	308	5.90	138	92	0	13	120	Bad	61
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##	309	9.24	126	80	19	436	126	Medium	52
10									
##	310	11.18	131	111	13	33	80	Bad	68
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##	311	9.53	175	65	29	419	166	Medium	53
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##	312	6.15	146	68	12	328	132	Bad	51
14									
##	313	6.80	137	117	5	337	135	Bad	38
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##	314	9.33	103	81	3	491	54	Medium	66
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##	315	7.72	133	33	10	333	129	Good	71
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##	316	6.39	131	21	8	220	171	Good	29
14									
##	317	15.63	122	36	5	369	72	Good	35
10									
##	318	6.41	142	30	0	472	136	Good	80
15									
##	319	10.08	116	72	10	456	130	Good	41
14									
##	320	6.97	127	45	19	459	129	Medium	57
11									
##	321	5.86	136	70	12	171	152	Medium	44
18									
##	322	7.52	123	39	5	499	98	Medium	34
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##	323	9.16	140	50	10	300	139	Good	60
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##	324	10.36	107	105	18	428	103	Medium	34
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##	326	11.70	144	69	11	131	104	Medium	47
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##	327	4.69	133	30	0	152	122	Medium	53

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13									
##	336	6.18	120	70	15	464	110	Medium	72
15									
##	337	5.17	138	35	6	60	143	Bad	28
18									
##	338	8.61	130	38	0	283	102	Medium	80
15									
##	339	5.97	112	24	0	164	101	Medium	45
11									
##	340	11.54	134	44	4	219	126	Good	44
15									
##	341	7.50	140	29	0	105	91	Bad	43
16									
##	342	7.38	98	120	0	268	93	Medium	72
10									
##	343	7.81	137	102	13	422	118	Medium	71
10									
##	344	5.99	117	42	10	371	121	Bad	26
14									
##	345	8.43	138	80	0	108	126	Good	70
13									
##	346	4.81	121	68	0	279	149	Good	79
12									
##	347	8.97	132	107	0	144	125	Medium	33
13									
##	348	6.88	96	39	0	161	112	Good	27
14									
##	349	12.57	132	102	20	459	107	Good	49
11									
##	350	9.32	134	27	18	467	96	Medium	49
14									
##	351	8.64	111	101	17	266	91	Medium	63
17									
##	352	10.44	124	115	16	458	105	Medium	62

16									
##	353	13.44	133	103	14	288	122	Good	61
17									
##	354	9.45	107	67	12	430	92	Medium	35
12									
##	355	5.30	133	31	1	80	145	Medium	42
18									
##	356	7.02	130	100	0	306	146	Good	42
11									
##	357	3.58	142	109	0	111	164	Good	72
12									
##	358	13.36	103	73	3	276	72	Medium	34
15									
##	359	4.17	123	96	10	71	118	Bad	69
11									
##	360	3.13	130	62	11	396	130	Bad	66
14									
##	361	8.77	118	86	7	265	114	Good	52
15									
##	362	8.68	131	25	10	183	104	Medium	56
15									
##	363	5.25	131	55	0	26	110	Bad	79
12									
##	364	10.26	111	75	1	377	108	Good	25
12									
##	365	10.50	122	21	16	488	131	Good	30
14									
##	366	6.53	154	30	0	122	162	Medium	57
17									
##	367	5.98	124	56	11	447	134	Medium	53
12									
##	368	14.37	95	106	0	256	53	Good	52
17									
##	369	10.71	109	22	10	348	79	Good	74
14									
##	370	10.26	135	100	22	463	122	Medium	36
14									
##	371	7.68	126	41	22	403	119	Bad	42
12									
##	372	9.08	152	81	0	191	126	Medium	54
16									
##	373	7.80	121	50	0	508	98	Medium	65
11									
##	374	5.58	137	71	0	402	116	Medium	78
17									
##	375	9.44	131	47	7	90	118	Medium	47
12									
##	376	7.90	132	46	4	206	124	Medium	73
11									
##	377	16.27	141	60	19	319	92	Good	44

11									
##	378	6.81	132	61	0	263	125	Medium	41
12									
##	379	6.11	133	88	3	105	119	Medium	79
12									
##	380	5.81	125	111	0	404	107	Bad	54
15									
##	381	9.64	106	64	10	17	89	Medium	68
17									
##	382	3.90	124	65	21	496	151	Bad	77
13									
##	383	4.95	121	28	19	315	121	Medium	66
14									
##	384	9.35	98	117	0	76	68	Medium	63
10									
##	385	12.85	123	37	15	348	112	Good	28
12									
##	386	5.87	131	73	13	455	132	Medium	62
17									
##	387	5.32	152	116	0	170	160	Medium	39
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##	392	6.10	153	63	0	49	124	Bad	56
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14									
##	397	6.14	139	23	3	37	120	Medium	55
11									
##	398	7.41	162	26	12	368	159	Medium	40
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##	400	9.71	134	37	0	27	120	Good	49
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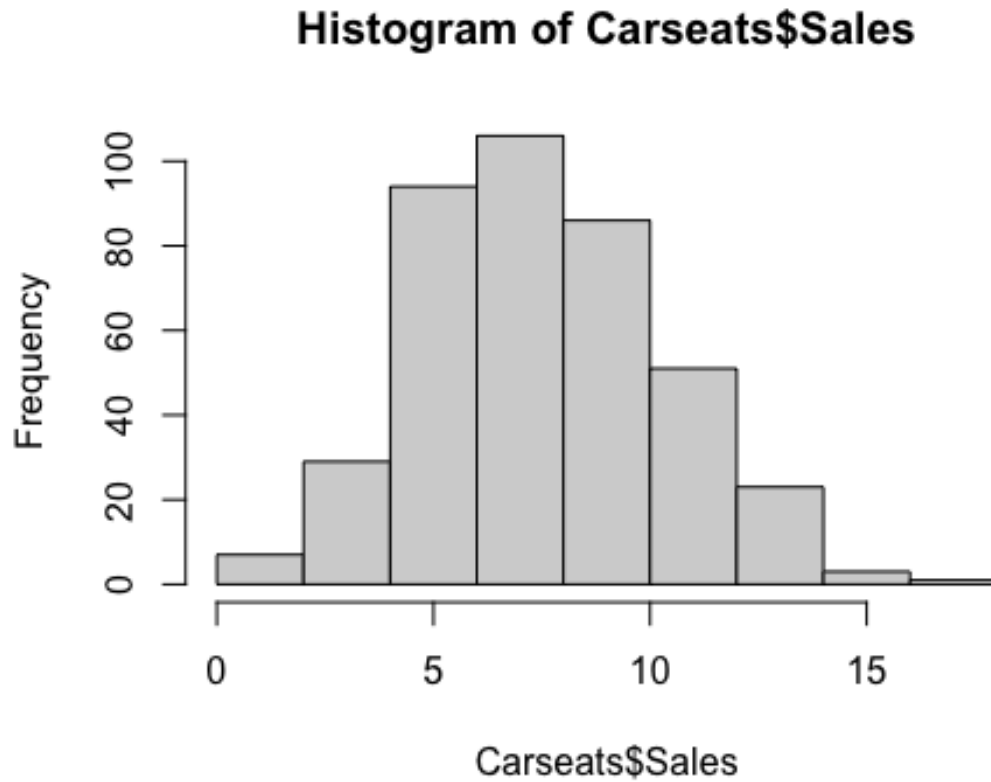
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##	398	Yes	Yes
##	399	Yes	Yes
##	400	Yes	Yes

max(Carseats\$Sales)

```
## [1] 16.27  
hist(Carseats$Sales)
```



```
IQR(Carseats$Price)  
## [1] 31  
graph<-plot(Carseats$Sales, Carseats$Price, main = "Scatterplot", xlab =  
"Sales", ylab = "Price",abline(Carseats$Sales,Carseats$Price))
```

Scatterplot

