

**Christopher Bragg and William Roe**

1. Find the average purchase list price and sale price by state.

	STATE	AVERAGE_LIST_PRICE	AVERAGE_SALE_PRICE
1	AK	2407.27	2401
2	AL	2820.36	2813.15
3	AR	2674.36	2670
4	AZ	2685.28	2679.56
5	CA	2640.06	2632.12
6	CO	2566.42	2556.09
7	CT	2667.78	2664
8	DC	2606.52	2598.61
9	DE	3405.51	3400
10	FL	2698.79	2679.21
11	GA	2675.45	2668.2
12	HI	2855.58	2847.08
13	IA	3018.45	3014.05
14	ID	2823.35	2814
15	IL	2597.77	2591.34
16	IN	2676.08	2668.27
17	KS	2599.82	2589.35
18	KY	2727.37	2722.05
19	LA	2378.23	2372.06
20	MA	2579.93	2575.38
21	MD	2741.2	2733.17
22	ME	3105.42	3092.5
23	MI	2865.88	2856.27
24	MN	2733.98	2722.62
25	MO	2771.04	2764.88
26	MS	2488.24	2480.91
27	MT	2588.58	2584
28	NC	2717.78	2705.04
29	ND	2309.65	2300
30	NE	2658.73	2646.92
31	NH	3707.75	3703.33
32	NJ	2820.64	2814.19
33	NM	2527.63	2519.72
34	NV	2223.52	2218.33

35	NY	2714.15	2707.39
36	OH	2844.49	2837.61
37	OK	2412.51	2404.62
38	OR	2707.9	2703
39	PA	2700.14	2690.09
40	RI	3109.85	3105
41	SC	2463.82	2458.46
42	SD	3537.4	3530
43	TN	3084.13	3078.75
44	TX	2733.75	2726.4
45	UT	3205.41	3200.44
46	VA	2983.57	2975.54
47	WA	2742.74	2736.91
48	WI	2761.27	2753.16
49	WV	1839.47	1835
50	WY	3600.35	3597.5

2. Find the average purchase list price and sale price by store. Explain how this result relates to the result for #1. (Note to do this, you also need to drill down to the state level).
  - a. Stores that are in states with a high average sale price tend to have high average sales and vice versa.





	STOREID	AVERAGE_LIST_PRICE	AVERAGE_SALE_PRICE
16	127	3013.84	3008.33
17	128	3241.64	3240
18	134	2146.39	2140
19	139	4346.6	4340
20	141	1589.02	1580
21	142	2028.7	2020
22	143	2305.5	2300
23	154	2018.78	2010
24	163	2654	2650
25	179	1757.12	1750
26	180	3461.54	3460
27	181	2914.48	2910
28	187	1971.73	1970
29	191	4162.41	4160
30	200	1836.12	1830
31	204	1738.69	1700
32	205	2895.68	2890
33	218	3257.16	3250
34	222	2895.68	2890
35	232	2340.2	2340
36	234	2956.5	2950
37	237	4025.54	4020
38	242	2398.47	2390
39	243	1846.43	1830
40	246	2220.63	2164.28
41	267	2410.76	2410
42	268	3480.5	3480
43	281	1978.46	1970
44	283	2704.65	2700
45	287	2538.19	2530
46	294	2378.59	2370
47	300	2637.13	2630
48	306	2043.68	2040
49	307	2016.22	2010

3. What is the most popular paint color? What store sells the most of each paint color? What does this tell you about marketing?
  - a. Most popular paint: Hazard Flame, Most popular store: Walk-In, Marketing: Walk-In has the best marketing.

	STORENAME	COLORNAME	COUNT
7	(null)	Mountain Green	1343
8	(null)	Grey Granite	1327
9	(null)	Fire and Smoke	1277
10	(null)	Copper Haze	1241
11	(null)	Sky Fire	1082
12	Walk-In	Hazard Flame	1033
13	Walk-In	Sea Green Fade	1030
14	Walk-In	Arctic White	994
15	Walk-In	Purple Accent	991
16	Walk-In	Morning Sun	989
17	Walk-In	Mountain Green	969
18	Walk-In	Fire and Smoke	968
19	Walk-In	Grey Granite	964
20	(null)	Wine Country	939
21	Walk-In	Copper Haze	936
22	Walk-In	Sky Fire	799
23	(null)	Neon Blue	739
24	Walk-In	Wine Country	715
25	Walk-In	Neon Blue	493
26	(null)	Black Speckle	414

4. What Part Manufacturers are the most popular by store? How would this influence the decisions a store owner makes?
  - a. Sedis seems to be the general most popular manufacturer for the majority of stores. This could make stores want to be located near to this manufacturer to have easy access to parts.

Query Result x | Query Result 1 x | Query Result 2 x

    SQL | Fetched 50 rows in 0.59 seconds

	STORENAME	MANUFACTURERNAME	GREATEST(COUNT(P.MANUFACTURERNAME))
1	Walk-In	Sedis	108581
2	Walk-In	Shimano (USA)	45233
3	Walk-In	Specialized	20182
4	Direct Sales	Sedis	19374
5	Walk-In	Sakae	17127
6	Walk-In	Vetta	8837
7	Direct Sales	Shimano (USA)	7886
8	Walk-In	Wheelsmith	5576
9	Direct Sales	Specialized	3496
10	Direct Sales	Sakae	3218
11	Walk-In	Onza	2774
12	Walk-In	Continental	2357
13	Direct Sales	Vetta	1722
14	Direct Sales	Wheelsmith	1028
15	Direct Sales	Onza	484
16	Direct Sales	Continental	400
17	BICYCLE DOCTOR	Sedis	363
18	PERFORMANCE BICYCLE SHOP	Sedis	303
19	BUDGET PRO BICYCLES	Sedis	293
20	HELEN'S CYCLES	Sedis	283
21	SCHWINN DENNISON CYCLERY	Sedis	267
22	SPORT CHALET	Sedis	256
23	COLLINS BICYCLE SHOP	Sedis	239
24	SOMOZA'S BIKE SHOP	Sedis	239
25	HENRY'S BIKE SHOP	Sedis	237
26	TONY'S SCHWINN BIKE SHOP	Sedis	236
27	BEVERLY HILLS BIKE SHOP	Sedis	231
28	TWIN BICYCLE	Sedis	221
29	Walk-In	Ritchey	218
30	EL PEDAL DE ORO	Sedis	216
31	SAFETY CYCLE SHOP	Sedis	210
32	FLORENCE CYCLE SHOP	Sedis	210
33	BIKECOLOGY SANTA MONICA	Sedis	206
34	PALMS CYCLE	Sedis	203