

## 5.1

	total_spend_by_all_owners
1	218451897.06

## 5.2

	card_no	max_spend
1	12539	2723.58
2	10499	1608.14
3	14140	1284.89
4	14987	1240.33
5	20074	1053.47

## 5.3

	date	department	spend	trans	items
1	2012-08-18	3.0	7498.65	734	1547
2	2011-07-12	4.0	7497.27999999991	1025	2519
3	2013-06-06	8.0	7496.0	949	1829
4	2016-07-18	8.0	7494.719999999997	1137	2138
5	2014-05-21	4.0	7494.129999999999	1029	2312
6	2010-07-14	4.0	7492.779999999994	1021	2561

## 5.4

	year	month	total_store_spend	department	department_spend
1	2013	05	2500965.51	2.0	599491.1199999993
2	2013	05	2500965.51	1.0	554228.4399999987
3	2013	05	2500965.51	4.0	275617.5499999997
4	2013	05	2500965.51	8.0	237258.73
5	2013	05	2500965.51	3.0	221450.71
6	2013	05	2500965.51	13.0	208100.36

## 5.5

	zip	number_of_owners	avg_spend_per_owner	avg_spend_per_transaction
1	55369	102	4610.44215686273	58.5270815183569
2	55432	114	5335.314999999997	57.882176437
3	55112	179	5670.12268156423	55.9880825242717
4	55419	829	8219.12448733462	54.6259145534895
5	55417	417	7181.83299760202	54.2619285403689

## 5.6

	zip	number_of_owners	avg_spend_per_owner	avg_spend_per_transaction
1	55404	901	7726.72227525101	29.0128431164225
2	55406	728	12969.0753983521	33.0248938053109
3	55104	209	15853.1495693782	33.1609377877422
4	55405	1860	9936.34317204347	33.7784310105984
5	55403	1327	7764.19351921728	35.1536738238179

## 5.7

	zip	active_owners	inactive_owners	fraction_active
1	55405	0	1863	0.0
2	55408	0	1827	0.0
3	55403	0	1331	0.0
4	55407	0	1169	0.0
5	55404	0	903	0.0
6	55419	0	830	0.0