transaction_id	time	product_id
1	1/8/16 17:46	3
1	1/8/16 17:46	61
2	1/7/16 14:11	23
4	1/6/16 17:57	52
4	1/6/16 17:57	4
4	1/6/16 17:57	76
5	1/7/16 14:51	45
7	1/7/16 12:07	17
7	1/7/16 12:07	31
7	1/7/16 12:07	21
7	1/7/16 12:07	47
7	1/7/16 12:07	44
8	1/7/16 9:35	8
8	1/7/16 9:35	60
8	1/7/16 9:35	38
8	1/7/16 9:35	64
9	1/3/16 9:06	12
9	1/3/16 9:06	14
9	1/3/16 9:06	17
9	1/3/16 9:06	70
9	1/3/16 9:06	10
10	1/4/16 8:47	18
11	1/8/16 11:40	77
11	1/8/16 11:40	25
11	1/8/16 11:40	47
11	1/8/16 11:40	36
11	1/8/16 11:40	10
12	1/4/16 17:45	66
13	1/4/16 13:23	21
15	1/5/16 9:13	42
15	1/5/16 9:13	56
15	1/5/16 9:13	29
16	1/5/16 14:25	36
16	1/5/16 14:25	41
16	1/5/16 14:25	22
17	1/7/16 18:54	73
17	1/7/16 18:54	41
19	1/4/16 12:20	76
19	1/4/16 12:20	71
20	1/4/16 10:01	6
20	1/4/16 10:01	6
20	1/4/16 10:01	29
20	1/4/16 10:01	10
21	1/5/16 9:29	47
21	1/5/16 9:29	68
21	1/5/16 9:29	52
21	1/5/16 9:29	41
22	1/6/16 14:30	14
22	1/6/16 14:30	27
23	1/7/16 9:01	67

produce 1 dry goods 4 3 dairy 5 1 stry goods 4 3 dairy 5 1 snacks produce 7 5 frozen 5 frozen 5 frozen 7 frozen 6 reverages meat other 10 1 canned_jarred_go snacks 11 5 beverages snacks 11 5 beverages snacks 12 1 bread dairy 13 1 1 snacks 12 1 bread dairy 13 1 1 snack 1 1 snack 1 1 snack 1 1 snack 1 1 1 snack 1 1 1 snack 1	produce_type	unique_transaction_id	count_of_each_transaction_id	product_type
dry_goods 4 3 dairy dairy 5 1 snacks produce 7 5 frozen snacks 8 4 other snacks 10 1 canned_jarred_gc snacks 11 5 beverages snacks 12 1 bread dairy 13 1 1 snack dairy 13 1 1 snack dairy 13 1 1 snack produce 16 3 1 produce frozen 17 2 2 1 frozen 19 2 2 1 1 4 4 1 1 4 4 1 1 4 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <th></th> <th>1</th> <th>2</th> <th></th>		1	2	
dairy 5 1 snacks produce 7 5 frozen snacks 8 4 other other 10 1 canned_jarred_gc snacks 11 5 beverages snacks 12 11 beverages snacks 12 11 beverages frozen 15 3 lerad frozen 15 3 lerad frozen 17 2 lerad frozen 19 2 lerad produce 17 2 lerad frozen 19 2 lerad produce 20 4 lerad dairy 21 4 lerad dry_goods 24 2 lerad produce 27 3 lerad dairy 30 1 lerad dairy 30 1 lerad da	produce	2	1	dry_goods
produce 7 5 frozen snacks 8 4 other frozen 9 5 meat other 10 11 5 beverages snacks 111 5 beverages snacks 12 11 beverages snacks 12 13 10 dairy 13 11 10 frozen 15 3 10 produce 16 33 1 frozen 19 2 1 produce 20 4 4 dairy 21 4 4 snacks 22 2 2 2 other 23 4 2 1 dry goods 26 5 1 1 produce 27 3 1 1 dairy 30 1 1 1 produce 33 1 1 1 meat	dry_goods	4	3	dairy
snacks 8 4 other frozen 9 5 meat other 10 1 canned_jarred_gc snacks 11 5 beverages snacks 12 1 bread dairy 13 1 1 frozen 15 3 1 produce 16 3 1 frozen 19 2 2 produce 19 2 2 frozen 19 2 2 produce 20 4 4 dairy 21 4 4 dry_goods 24 2 2 produce 25 1 1 dry_goods 26 5 1 produce 27 3 1 dairy 30 1 1 canned_jarred_goods 31 1 1 snacks 34 1	dairy	5	1	snacks
frozen 9 5 meat other 10 1 canned jarred_gc snacks 11 5 beverages snacks 12 1 bread rosences 15 3	produce	7	5	frozen
other 10 anaed_jarred_gc snacks 11 5 beverages snacks 12 1 bread dairy 13 1 frozen 15 3 1 produce 16 3 1 produce 17 2 2 frozen 19 2 2 produce 20 4 4 dairy 21 4 4 snacks 22 2 2 other 23 4 4 dry_goods 24 2 2 produce 25 1 1 dairy 30 1 1 canned_jarred_goods 31 1 1 produce 32 5 1 dairy 33 1 1 1 produce 33 1 1 1 dry_goods 36 2 2 1	snacks	8	4	other
snacks 11 5 beverages snacks 12 1 bread dairy 13 1 C frozen 15 3 C produce 16 3 C frozen 19 2 C frozen 19 2 C produce 20 4 C dairy 21 4 C snacks 22 2 2 other 23 4 C dry goods 24 2 C produce 25 1 C dry goods 26 5 C meat 29 1 C dairy 30 1 C canned jarred goods 31 1 C produce 33 1 C snacks 34 1 C dry goods 36 2 C	frozen	9	5	meat
snacks 11 5 beverages snacks 12 1 bread dairy 13 1 frozen 15 3 produce 16 3 produce 17 2 frozen 19 2 produce 20 4 dairy 21 4 snacks 22 2 2 other 23 4 2 dry goods 24 2 2 produce 25 1 1 dry goods 26 5 1 produce 25 1 1 dry goods 26 5 1 produce 27 3 1 dairy 30 1 1 camed jarred goods 31 1 1 snacks 34 1 1 dry goods 36 2 2 dairy 37	other	10	1	canned_jarred_gc
snacks 12 bread dairy 13 1 frozen 15 3 produce 16 3 produce 17 2 frozen 19 2 produce 20 4 dairy 21 4 snacks 22 2 other 23 4 dry goods 24 2 produce 25 1 dry goods 26 5 produce 27 3 meat 29 1 dairy 30 1 canned_jarred_goods 31 1 produce 32 5 produce 32 5 produce 32 5 produce 35 3 produce 35 3 produce 35 3 dairy 37 3 canned_jarred_goods	snacks	11		
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produce 17 2 frozen 19 2 produce 20 4 dairy 21 4 snacks 22 2 other 23 4 dry_goods 24 2 produce 25 1 dry_goods 26 5 produce 27 3 meat 29 1 dairy 30 1 canned_jarred_goods 31 1 produce 32 5 produce 33 1 snacks 34 1 produce 35 3 dairy 36 2 dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 meat 40 3 snacks 41 3 frozen 42 1 snacks 4	produce	16	3	
frozen 19 2 produce 20 4 dairy 21 4 snacks 22 2 other 23 4 dry_goods 24 2 produce 25 1 dry_goods 26 5 produce 27 3 meat 29 1 dairy 30 1 canned_jarred_goods 31 1 produce 32 5 produce 33 1 snacks 34 1 produce 35 3 dry_goods 36 2 dairy 37 3 canned_jarred_goods 36 2 dry_goods 36 2 dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 meat 40 3 snacks<	produce	17	2	
dairy 21 4 snacks 22 2 other 23 4 dry_goods 24 2 produce 25 1 dry_goods 26 5 produce 27 3 meat 29 1 dairy 30 1 canned_jarred_goods 31 1 produce 32 5 produce 33 1 snacks 34 1 produce 35 3 dry_goods 36 2 dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 meat 40 3 snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 produce 45 5 produce	·	19	2	
dairy 21 4 snacks 22 2 other 23 4 dry_goods 24 2 produce 25 1 dry_goods 26 5 produce 27 3 meat 29 1 dairy 30 1 canned_jarred_goods 31 1 produce 32 5 produce 33 1 snacks 34 1 produce 35 3 dry_goods 36 2 dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 meat 40 3 snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 produce 45 5 produce	produce	20	4	
snacks 22 2 other 23 4 dry_goods 24 2 produce 25 1 dry_goods 26 5 produce 27 3 meat 29 1 dairy 30 1 canned_jarred_goods 31 1 produce 32 5 produce 33 1 snacks 34 1 produce 35 3 dry_goods 36 2 dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 meat 40 3 snacks 41 3 frozen 42 1 snacks 41 3 frozen 42 1 snacks 44 2 dry_goods 44 2 produce	·	21	4	
dry_goods 24 2 produce 25 1 dry_goods 26 5 produce 27 3 meat 29 1 dairy 30 1 canned_jarred_goods 31 1 produce 32 5 produce 33 1 snacks 34 1 produce 35 3 dry_goods 36 2 dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 snacks 41 3 frozen 39 2 snacks 41 3 frozen 40 3 snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 produce 45 5 produce	·	22	2	
produce 25 1 dry_goods 26 5 produce 27 3 meat 29 1 dairy 30 1 canned_jarred_goods 31 1 produce 32 5 produce 33 1 produce 33 1 snacks 34 1 produce 35 3 dry_goods 36 2 dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 meat 40 3 snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 produce 45 5 produce 45 5 dairy 4 2 produce 48 4 dairy	other	23	4	
produce 25 1 dry_goods 26 5 produce 27 3 meat 29 1 dairy 30 1 canned_jarred_goods 31 1 produce 32 5 produce 33 1 produce 33 1 snacks 34 1 produce 35 3 dry_goods 36 2 dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 meat 40 3 snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 produce 45 5 produce 45 5 dairy 4 2 produce 48 4 dairy	dry goods	24	2	
dry_goods 26 5 produce 27 3 meat 29 1 dairy 30 1 canned_jarred_goods 31 1 produce 32 5 produce 33 1 snacks 34 1 produce 35 3 dry_goods 36 2 dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 meat 40 3 snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 produce 45 5 produce 45 5 produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce		25	1	
produce 27 3 meat 29 1 dairy 30 1 canned_jarred_goods 31 1 produce 32 5 produce 33 1 snacks 34 1 produce 35 3 dry_goods 36 2 dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 meat 40 3 snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 dry_goods 44 2 produce 45 5 produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy <	·	26		
meat 29 1 dairy 30 1 canned_jarred_goods 31 1 produce 32 5 produce 33 1 snacks 34 1 produce 35 3 dry_goods 36 2 dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 meat 40 3 snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 produce 45 5 produce 45 5 produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen		27		
dairy 30 1 canned_jarred_goods 31 1 produce 32 5 produce 33 1 snacks 34 1 produce 35 3 dry_goods 36 2 dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 meat 40 3 snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 produce 45 5 produce 45 5 produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks <t< td=""><td></td><td>29</td><td></td><td></td></t<>		29		
canned_jarred_goods 31 1 1 produce 32 5		30		
produce 32 5 produce 33 1 snacks 34 1 produce 35 3 dry_goods 36 2 dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 meat 40 3 snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 produce 45 5 produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 cother 55 2	·			
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snacks 34 1 produce 35 3 dry_goods 36 2 dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 meat 40 3 snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 produce 45 5 produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 other 55 2	·	33		
produce 35 3 dry_goods 36 2 dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 meat 40 3 snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 produce 45 5 produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 other 55 2	·			
dry_goods 36 2 dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 meat 40 3 snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 produce 45 5 produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 other 55 2	produce	35		
dairy 37 3 canned_jarred_goods 38 1 frozen 39 2 meat 40 3 snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 produce 45 5 produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 other 55 2	dry_goods	36	2	
canned_jarred_goods 38 1 1 frozen 39 2 1 meat 40 3 1 snacks 41 3 1 frozen 42 1 1 snacks 43 2 1 dry_goods 44 2 1 produce 45 5 1 produce 46 2 1 dairy 47 1 1 produce 48 4 4 dairy 49 2 1 produce 50 2 3 dairy 52 3 4 frozen 53 4 3 snacks 54 2 3 other 55 2 3		37		
frozen 39 2 meat 40 3 snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 produce 45 5 produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 other 55 2	·	38	1	
snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 produce 45 5 produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 other 55 2		39	2	
snacks 41 3 frozen 42 1 snacks 43 2 dry_goods 44 2 produce 45 5 produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 other 55 2	meat	40		
snacks 43 2 dry_goods 44 2 produce 45 5 produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 other 55 2	snacks	41	3	
dry_goods 44 2 produce 45 5 produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 other 55 2	frozen	42	1	
produce 45 5 produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 other 55 2	snacks	43	2	
produce 45 5 produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 other 55 2	dry_goods	44	2	
produce 46 2 dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 other 55 2		45		
dairy 47 1 produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 other 55 2	·			
produce 48 4 dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 other 55 2	· ·			
dairy 49 2 produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 other 55 2	·	48	4	
produce 50 2 dairy 52 3 frozen 53 4 snacks 54 2 other 55 2	·			
dairy 52 3 frozen 53 4 snacks 54 2 other 55 2				
frozen 53 4 snacks 54 2 other 55 2	·			
snacks 54 2 other 55 2				
other 55 2				
	dry_goods	56	2	

count_of _each	reorder in desc orde	r	price_unit
	produce	168	1.02
	dry_goods	130	0.55
	snacks	86	0.91
	dairy	74	1.79
	frozen	56	1.19
19	canned_jarred_goods	22	0.69
	other	19	1.29
22	beverages	19	2.67
19	meat	14	0.61
6	bread	6	2.59
			1.17
			4.99
			3.99
			2.06
			1.19
			1.22
			1.15
			0.53
			2.67
			0.19
			0.96
			0.67
			2.67
			39.99
			1.17
			1.12
			0.96
			1.12
			2.59
			5.99
			0.86
			0.63
			1.12
			1.09
			19.59
			0.69
			1.09
			0.69
			0.24
			1.69
			1.69
			0.63 0.96
			1.17 0.67
			1.79
			1.79
			0.53
			0.53
			1.74
			1./4

bread	0.99
canned_jarred_goods	1.01
dairy	1.09
dry_goods	1.38
frozen	3.95
meat	29.79
other	25.75
produce	2.43
snacks	0.91
SHOCKS	0.51

23	1/7/16 9:01	13
23	1/7/16 9:01	55
23	1/7/16 9:01	69
24	1/3/16 10:47	54
24	1/3/16 10:47	3
25	1/6/16 19:04	83
26	1/6/16 8:42	26
26	1/6/16 8:42	22
26	1/6/16 8:42	5
26	1/6/16 8:42	32
26	1/6/16 8:42	47
27	1/7/16 17:51	51
27	1/7/16 17:51	40
27	1/7/16 17:51	48
29	1/7/16 12:26	28
30	1/5/16 13:54	68
31	1/5/16 13:19	3
32	1/4/16 19:37	65
32	1/4/16 19:37	7
32	1/4/16 19:37	67
32	1/4/16 19:37	7
32	1/4/16 19:37	3
33	1/3/16 11:10	72
34	1/8/16 12:37	84
35	1/5/16 16:08	65
35	1/5/16 16:08	14
35	1/5/16 16:08	44
36	1/7/16 16:11	59
36	1/7/16 16:11	63
37	1/6/16 15:31	52
37	1/6/16 15:31	19
37	1/6/16 15:31	8
38	1/6/16 13:19	69
39	1/8/16 16:47	66
39	1/8/16 16:47	24
40	1/3/16 10:46	7
40	1/3/16 10:46	1
40	1/3/16 10:46	17
41	1/5/16 14:49	52
41	1/5/16 14:49	61
41	1/5/16 14:49	62
42	1/5/16 11:36	77
43	1/3/16 19:07	2
43	1/3/16 19:07	41
44	1/6/16 17:06	56
44	1/6/16 17:06	75
45	1/7/16 8:21	75
45	1/7/16 8:21	40
45	1/7/16 8:21	39
45	1/7/16 8:21	51
45	1/7/16 8:21	52

beverages	57	3
dairy	58	4
dry_goods	59	1
dairy	60	3
produce	61	4
snacks	62	1
beverages	63	1
meat	64	3
produce	65	3
produce	66	1
dairy	67	3
dairy	68	1
frozen	69	4
dry_goods	70	3
dry_goods	71	1
produce	72	4
produce	73	3
produce	74	2
produce	75	2
dry_goods	76	2
produce	77	1
produce	78	4
dry_goods	79	3
	81	1
dry_goods produce	82	4
snacks	83	
frozen	84	2
	85	2
produce	86	
produce		4
dairy	87	2
snacks	88	5
produce	89	1
dry_goods	90	2
produce	91	4
dry_goods	92	1
produce	93	3
produce	94	2
other	95	1
dairy	96	1
produce	97	4
dry_goods	98	2
produce	99	2
produce	100	4
frozen	101	4
dry_goods	102	3
snacks	103	3
snacks	104	3
frozen	105	3
snacks	106	6
dairy	107	1
dairy	108	3

0.38
1.1
0.27
1.23
1.02
0.39
0.25
19.59
3.86
2.99
1.17
0.89
1.17
0.89
0.69
0.67
1.02
1.32
2.54
1.74
2.54
1.02
0.27
2.59
1.32
0.53
4.99
4.29
3.57
1.79
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3.99
0.27
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0.56
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2.67
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1.44
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1.17
0.59
0.89
1.79
1.79

46		63
46		43
47		28
48		30
48		23
48		18
48		20
49		67
49		53
50		56
50		80
52		50
52		13
52		44
53		61
53		33
53		36
53	1/6/16 11:55	29
54	1/3/16 8:53	20
54	1/3/16 8:53	79
55	1/5/16 19:13	8
55	1/5/16 19:13	76
56	1/3/16 12:21	62
56	1/3/16 12:21	70
57	1/7/16 19:30	81
57	1/7/16 19:30	64
57	1/7/16 19:30	11
58	1/8/16 9:52	79
58	1/8/16 9:52	37
58	1/8/16 9:52	39
58	1/8/16 9:52	27
59	1/8/16 14:39	4
60	1/3/16 13:51	51
60	1/3/16 13:51	13
60	1/3/16 13:51	78
61	1/3/16 9:16	22
61	1/3/16 9:16	31
61	1/3/16 9:16	46
61		46
62		56
63		16
64		16
64		70
64		22
65		50
65		29
65		58
66		39
67		55
67		49
67		67

produce	109	3
bread	110	1
dry_goods	111	1
dairy	112	2
dry_goods	113	2
dry_goods	114	2
snacks	116	2
dry_goods	117	1
dairy	118	6
dry_goods	119	1
dry_goods	120	3
dairy	121	4
beverages	123	3
frozen	124	2
produce	126	1
canned_jarred_goods	127	2
canned_jarred_goods	128	2
dairy	129	2
snacks	130	2
dry_goods	131	1
produce	133	2
snacks	134	3
	135	2
dry_goods dry_goods	136	3
	137	2
dry_goods	138	4
produce	139	4
produce	142	3
dry_goods frozen	143	3
snacks	144	
	144	2
other		
produce	146	1
dairy	147	3
beverages	148	1
dry_goods	149	2
meat	151	3
snacks	152	2
frozen	153	2
frozen	154	2
dry_goods	155	2
snacks	156	1
snacks	157	3
dry_goods	158	5
meat	159	3
dairy	160	3
dairy	161	1
dry_goods	162	2
snacks	163	6
dairy	164	3
dairy	165	2
dry_goods	166	2

3.57
0.99
0.69
0.91
0.91
0.67
1.11
1.74
1.69
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19.59
0.61
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68	1/3/16 19:46	36
69	1/5/16 9:08	82
69	1/5/16 9:08	55
69	1/5/16 9:08	60
69	1/5/16 9:08	62
70	1/6/16 11:52	21
70	1/6/16 11:52	81
70	1/6/16 11:52	56
71	1/4/16 11:14	74
72	1/6/16 19:14	30
72	1/6/16 19:14	19
72	1/6/16 19:14	67
72	1/6/16 19:14	42
73	1/7/16 11:56	81
73	1/7/16 11:56	24
73	1/7/16 11:56	20
74	1/7/16 19:49	21
74	1/7/16 19:49	36
75	1/4/16 13:37	11
75	1/4/16 13:37	72
76	1/6/16 12:20	57
76	1/6/16 12:20	73
77	1/6/16 14:23	28
78	1/6/16 9:03	76
78	1/6/16 9:03	25
78	1/6/16 9:03	2
78	1/6/16 9:03	12
79	1/5/16 19:43	9
79	1/5/16 19:43	10
79	1/5/16 19:43	16
81	1/3/16 9:19	65
82	1/4/16 18:07	17
82	1/4/16 18:07	20
82	1/4/16 18:07	14
82	1/4/16 18:07	27
83	1/8/16 12:58	60
84	1/8/16 19:59	67
84	1/8/16 19:59	77
85	1/7/16 12:58	79
85	1/7/16 12:58	81
86	1/7/16 9:39	9
86	1/7/16 9:39	42
86		69
86	1/7/16 9:39 1/7/16 9:39	76
87	1/5/16 11:57	
87		63
	1/5/16 11:57	78
88	1/4/16 16:09	82
88	1/4/16 16:09	69
88	1/4/16 16:09	81
88	1/4/16 16:09	78
88	1/4/16 16:09	80

167	1
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211	3
212	1
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214	4
215	2
216	5
217	3
218	2
220	2
221	3
222	1
224	3
	213 214 215 216 217 218 220 221 222

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89	1/6/16 17:59	58
90	1/5/16 8:44	57
90	1/5/16 8:44	19
91	1/7/16 12:17	26
91	1/7/16 12:17	13
91	1/7/16 12:17	2
91	1/7/16 12:17	35
92	1/8/16 12:03	6
93	1/4/16 17:52	23
93	1/4/16 17:52	46
93	1/4/16 17:52	21
94	1/4/16 10:43	11
94	1/4/16 10:43	64
95	1/8/16 14:01	15
96	1/4/16 16:49	76
97	1/8/16 12:26	7
97	1/8/16 12:26	40
97	1/8/16 12:26	38
97	1/8/16 12:26	36
98	1/4/16 19:41	75
98	1/4/16 19:41	35
99	1/6/16 19:06	15
99	1/6/16 19:06	40
100	1/5/16 16:32	78
100	1/5/16 16:32	2
100	1/5/16 16:32	64
100	1/5/16 16:32	13
101	1/4/16 19:21	78
101	1/4/16 19:21	48
101	1/4/16 19:21	17
101	1/4/16 19:21	15
102	1/4/16 18:46	48
102	1/4/16 18:46	39
102	1/4/16 18:46	35
103	1/5/16 17:05	57
103	1/5/16 17:05	72
103	1/5/16 17:05	51
104	1/8/16 8:13	75
104	1/8/16 8:13	42
104	1/8/16 8:13	17
105	1/8/16 10:34	81
105	1/8/16 10:34	24
105	1/8/16 10:34	57
105	1/3/16 9:48	57
106	1/3/16 9:48	46
106	1/3/16 9:48	38
106		
	1/3/16 9:48	36
106	1/3/16 9:48	34
106	1/3/16 9:48	60
107	1/8/16 17:51	12
108	1/4/16 12:49	5

dry_goods	225	1	
produce	226	4	
snacks	227	1	
beverages	228		
beverages	229	7	
produce	231	2	
frozen	232	3	
produce	233	2	
dry_goods	235	4	
frozen	236	4	
snacks	237	2	
produce	238	2	
produce	239	4	
snacks	240	5	
snacks	242	2	
produce	243	4	
frozen	244	2	
frozen	245	6	
canned_jarred_goods	246	2	
snacks	247	2	
frozen	249	4	
snacks	250	2	
frozen	251	2	
dry_goods	252	2	
produce	253	3	
produce	254	4	
beverages	255	1	
dry_goods	256	2	
dry_goods	258	5	
other	259	4	
snacks	260	2	
dry_goods	200		
snacks			
frozen			
produce			
dry_goods			
dairy			
snacks			
produce			
other			
dry_goods			
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canned_jarred_goods			
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		0.43
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108	1/4/16 12:49	27
108	1/4/16 12:49	25
109	1/6/16 11:29	78
109	1/6/16 11:29	37
109	1/6/16 11:29	59
110	1/8/16 10:40	70
111	1/5/16 19:41	46
112	1/7/16 10:03	11
112	1/7/16 10:03	72
113	1/8/16 14:36	65
113	1/8/16 14:36	27
114	1/5/16 11:27	77
114	1/5/16 11:27	13
116	1/5/16 11:28	11
116	1/5/16 11:28	37
117	1/5/16 13:26	9
118	1/6/16 14:27	23
118	1/6/16 14:27	40
118	1/6/16 14:27	75
118	1/6/16 14:27	8
118	1/6/16 14:27	18
118	1/6/16 14:27	48
119	1/3/16 15:57	76
120	1/3/16 14:50	53
120	1/3/16 14:50	63
120	1/3/16 14:50	7
121	1/8/16 14:40	32
121	1/8/16 14:40	20
121	1/8/16 14:40	63
121	1/8/16 14:40	27
123	1/8/16 10:03	49
123	1/8/16 10:03	58
123	1/8/16 10:03	19
124	1/3/16 8:29	83
124	1/3/16 8:29	44
126	1/3/16 12:37	4
127	1/4/16 9:18	40
127	1/4/16 9:18	5
128	1/3/16 15:10	36
128	1/3/16 15:10	15
129	1/6/16 19:12	21
129	1/6/16 19:12	55
130	1/6/16 16:55	71
130	1/6/16 16:55	55
131	1/6/16 19:20	4
133	1/7/16 18:59	59
133	1/7/16 18:59	72
134	1/4/16 17:54	33
134	1/4/16 17:54	49
134	1/4/16 17:54	69
135	1/3/16 15:24	15

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135	1/3/16 15:24	11
136	1/6/16 12:33	73
136	1/6/16 12:33	27
136	1/6/16 12:33	10
137	1/3/16 14:43	39
137	1/3/16 14:43	84
138	1/8/16 17:32	13
138	1/8/16 17:32	55
138	1/8/16 17:32	40
138	1/8/16 17:32	5
139	1/3/16 19:44	54
139	1/3/16 19:44	69
139	1/3/16 19:44	2
139	1/3/16 19:44	31
142	1/6/16 14:26	73
142	1/6/16 14:26	31
142	1/6/16 14:26	24
143	1/6/16 8:48	73
143	1/6/16 8:48	77
143	1/6/16 8:48	84
144	1/5/16 19:16	46
145	1/5/16 13:28	52
145	1/5/16 13:28	79
146	1/3/16 13:06	31
147	1/8/16 17:21	52
147	1/8/16 17:21	39
147	1/8/16 17:21	58
148	1/3/16 18:34	15
149	1/8/16 15:50	71
149	1/8/16 15:50	54
151	1/6/16 17:49	9
151	1/6/16 17:49	12
151	1/6/16 17:49	13
152	1/3/16 12:36	84
152	1/3/16 12:36	65
153	1/6/16 8:57	1
153	1/6/16 8:57	56
154	1/6/16 14:28	54
154	1/6/16 14:28	64
155	1/7/16 18:34	12
155	1/7/16 18:34	69
156	1/6/16 19:21	37
157	1/4/16 14:54	8
157	1/4/16 14:54	8
157	1/4/16 14:54	61
158	1/8/16 12:23	9
158	1/8/16 12:23	29
158	1/8/16 12:23	72
158	1/8/16 12:23	54
158	1/8/16 12:23	47
	1/4/16 12:33	
159	1/4/16 12:33	77

produce		
produce snacks		
other		
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159	1/4/16 12:33	25
159	1/4/16 12:33	78
160	1/4/16 19:26	1
160	1/4/16 19:26	13
160	1/4/16 19:26	32
161	1/3/16 14:04	40
162	1/5/16 13:24	55
162	1/5/16 13:24	61
163	1/3/16 10:11	3
163	1/3/16 10:11	6
163	1/3/16 10:11	62
163	1/3/16 10:11	26
163	1/3/16 10:11	51
163	1/3/16 10:11	60
164	1/6/16 19:21	2
164	1/6/16 19:21	31
164	1/6/16 19:21	58
165	1/3/16 19:02	28
165	1/3/16 19:02	57
166	1/4/16 18:50	63
166	1/4/16 18:50	70
167	1/5/16 16:48	79
168	1/6/16 17:28	39
168	1/6/16 17:28	65
169	1/6/16 8:02	37
169	1/6/16 8:02	44
170	1/4/16 16:24	2
170	1/4/16 16:24	74
170	1/4/16 16:24	9
171	1/8/16 17:54	78
171	1/8/16 17:54	43
171	1/8/16 17:54	18
172	1/8/16 8:01	46
172	1/8/16 8:01	82
173	1/5/16 8:59	42
173	1/5/16 8:59	59
173	1/5/16 8:59	71
174	1/4/16 18:19	56
174	1/4/16 18:19	49
174	1/4/16 18:19	30
175	1/3/16 11:58	15
175	1/3/16 11:58	48
175	1/3/16 11:58	79
176	1/6/16 16:29	71
176	1/6/16 16:29	53
176	1/6/16 16:29	63
176	1/6/16 16:29	77
177	1/3/16 11:18	66
177	1/3/16 11:18	44
177	1/3/16 11:18	43
178	1/6/16 13:49	39
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snacks	
dry_goods	
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dairy	
produce	
produce	
produce	
frozen	
bread	
snacks	

178	1/6/16 13:49	51
179	1/8/16 12:40	22
179	1/8/16 12:40	36
180	1/7/16 8:11	26
182	1/6/16 12:53	36
182	1/6/16 12:53	29
182	1/6/16 12:53	6
183	1/5/16 14:14	16
184	1/8/16 10:19	6
185	1/7/16 11:06	11
185	1/7/16 11:06	22
186	1/6/16 9:15	74
186	1/6/16 9:15	54
187	1/8/16 11:50	16
187	1/8/16 11:50	23
187	1/8/16 11:50	4
187	1/8/16 11:50	69
188	1/3/16 17:59	12
190	1/8/16 8:59	27
190	1/8/16 8:59	24
190	1/8/16 8:59	33
190	1/8/16 8:59	77
190	1/8/16 8:59	40
191	1/8/16 10:53	78
191	1/8/16 10:53	32
192	1/4/16 19:29	22
192	1/4/16 19:29	73
193	1/6/16 11:17	62
193	1/6/16 11:17	61
194	1/8/16 19:28	54
194	1/8/16 19:28	45
194	1/8/16 19:28	31
195	1/7/16 12:35	65
195	1/7/16 12:35	32
195	1/7/16 12:35	34
195	1/7/16 12:35	59
196	1/8/16 16:38	66
199	1/4/16 8:30	34
199	1/4/16 8:30	60
200	1/8/16 18:16	46
201	1/3/16 8:12	9
201	1/3/16 8:12	24
202	1/7/16 16:44	81
202	1/7/16 16:44	80
202	1/7/16 16:44	43
203	1/8/16 11:59	67
203	1/8/16 11:59	60
203	1/8/16 11:59	14
203	1/8/16 11:39	27
204	1/8/16 11:19	41
204	1/8/16 11:19	22

dairy		
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dry_goods		
dry_goods		
bread		
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other		
frozen		
meat		

205	1/7/16 15:36	51
205	1/7/16 15:36	29
206	1/5/16 19:33	67
207	1/3/16 19:31	58
207	1/3/16 19:31	70
207	1/3/16 19:31	41
207	1/3/16 19:31	84
209	1/6/16 19:33	14
209	1/6/16 19:33	26
209	1/6/16 19:33	36
210	1/7/16 11:31	11
210	1/7/16 11:31	83
210	1/7/16 11:31	82
211	1/5/16 13:57	45
211	1/5/16 13:57	68
211	1/5/16 13:57	23
212	1/5/16 11:25	60
213	1/4/16 8:06	70
213	1/4/16 8:06	4
213	1/4/16 8:06	22
214	1/3/16 15:25	13
214	1/3/16 15:25	40
214	1/3/16 15:25	60
214	1/3/16 15:25	41
215	1/4/16 15:11	33
215	1/4/16 15:11	56
216	1/5/16 18:52	72
216	1/5/16 18:52	32
216	1/5/16 18:52	27
216	1/5/16 18:52	40
216	1/5/16 18:52	36
217	1/4/16 13:44	12
217	1/4/16 13:44	52
217	1/4/16 13:44	52
218	1/8/16 19:23	33
218	1/8/16 19:23	45
220	1/3/16 16:03	14
220	1/3/16 16:03	2
221	1/4/16 14:29	15
221	1/4/16 14:29	84
221	1/4/16 14:29	77
222	1/3/16 13:24	41
224	1/6/16 17:53	8
224	1/6/16 17:53	36
224	1/6/16 17:53	16
225	1/6/16 18:56	65
226	1/7/16 17:18	32
226	1/7/16 17:18	54
226	1/7/16 17:18	52
226	1/7/16 17:18	40
227	1/3/16 8:02	20

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228	1/6/16 9:52	12
229	1/6/16 13:36	68
229	1/6/16 13:36	19
229	1/6/16 13:36	26
229	1/6/16 13:36	70
229	1/6/16 13:36	16
229	1/6/16 13:36	79
229	1/6/16 13:36	15
231	1/7/16 16:47	38
231	1/7/16 16:47	61
232	1/6/16 16:53	32
232	1/6/16 16:53	8
232	1/6/16 16:53	41
233	1/8/16 10:16	10
233	1/8/16 10:16	28
235	1/5/16 12:09	32
235	1/5/16 12:09	22
235	1/5/16 12:09	41
235	1/5/16 12:09	21
236	1/4/16 15:47	78
236	1/4/16 15:47	55
236	1/4/16 15:47	11
236	1/4/16 15:47	32
237	1/4/16 19:59	47
237	1/4/16 19:59	20
238	1/7/16 9:19	66
238	1/7/16 9:19	40
239	1/5/16 13:08	36
239	1/5/16 13:08	9
239	1/5/16 13:08	66
239	1/5/16 13:08	17
240	1/3/16 18:19	42
240	1/3/16 18:19	17
240	1/3/16 18:19	52
240	1/3/16 18:19	59
240	1/3/16 18:19	66
242	1/4/16 11:31	82
242	1/4/16 11:31	1
243	1/3/16 9:02	12
243	1/3/16 9:02	79
243	1/3/16 9:02	1
243	1/3/16 9:02	11
244	1/7/16 17:21	70
244	1/7/16 17:21	43
245	1/6/16 8:55	26
245	1/6/16 8:55	72
245	1/6/16 8:55	78
245	1/6/16 8:55	16
245	1/6/16 8:55	9
245	1/6/16 8:55	83
246	1/7/16 19:11	8

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dry_goods		
snacks		
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snacks		
produce		

246	1/7/16 19:11	43
247	1/7/16 14:30	55
247	1/7/16 14:30	46
249	1/6/16 14:22	80
249	1/6/16 14:22	53
249	1/6/16 14:22	45
249	1/6/16 14:22	23
250	1/5/16 15:07	52
250	1/5/16 15:07	57
251	1/4/16 8:01	7
251	1/4/16 8:01	17
252	1/4/16 10:12	64
252	1/4/16 10:12	80
253	1/6/16 14:15	41
253	1/6/16 14:15	74
253	1/6/16 14:15	7
254	1/4/16 13:55	72
254	1/4/16 13:55	3
254	1/4/16 13:55	77
254	1/4/16 13:55	60
255	1/8/16 18:04	26
256	1/3/16 14:16	54
256	1/3/16 14:16	84
258	1/4/16 15:24	39
258	1/4/16 15:24	26
258	1/4/16 15:24	65
258	1/4/16 15:24	2
258	1/4/16 15:24	39
259	1/8/16 18:09	64
259	1/8/16 18:09	12
259	1/8/16 18:09	64
259	1/8/16 18:09	30
260	1/8/16 11:57	84
260	1/8/16 11:57	18

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dry_goods		

product_id	product_name	product_type	unit
	strawberry	produce	lb
	apple_fuji	produce	lb
	orange	produce	lb
	clementines	produce	lb
	blood_orange	produce	lb
	blood_lime	produce	lb
	tayberry	produce	lb
	pluot	produce	lb
	tangelo	produce	lb
10	-	produce	lb
	pineberry	produce	lb
	vegan_egg_substitut	•	OZ
	asparagus_water	beverages	fl_oz
	falafel chips	snacks	0Z
	sweet_potato_hocke		OZ
	arugula_crisps	snacks	OZ
		other	cubic ft
	chia_seeds	dry_goods	OZ
	all natural cheese r		OZ
	sriracha_popcorn	snacks	OZ
	buttermilk_pancake_		OZ
	smoked_trout	meat	lb
	pine_nuts	dry_goods	OZ
	dried_apricots	dry_goods	OZ
	smoked_salmon	meat	lb
	green_juice	beverages	fl_oz
	celery_foam	other	fl_oz
	protein_powder	dry_goods	0Z
	asiago_cheese	dairy	OZ
	camembert_cheese	dairy	OZ
	almond_nut_thins	snacks	OZ
	arugula	produce	lb
	-	canned_jarred_goods	OZ
		canned_jarred_goods	OZ
	eggplant_caponata	frozen	OZ
	olive_tapanade	canned_jarred_goods	OZ
	chocolate_ganache_1		OZ
	pork_gyoza	frozen	OZ
	table wafers	snacks	OZ
	vegetable_gyoza	frozen	OZ
	frozen_tamales	frozen	OZ
	porchini_mushrooms		lb
	garlic_naan	bread	OZ
	frozen_clams	frozen	OZ
	butter_chicken	frozen	OZ
	frozen_salmon	frozen	OZ
47	_	dairy	OZ
	organic_mung_bean:	· ·	OZ
	silken_tofu	dairy	OZ
	white_cheddar	dairy	OZ
	_		

3.28 1.77 13 1.44 0.43 2 1.19 0.44 44 3.86 1.66 19 1.69 0.91 10 2.54 0.89 25 3.99 1.44 26 0.96 0.56 32 0.96 0.57 33 4.89 2 42 1.15 0.58 41 0.38 0.21 42 0.53 0.29 2 0.43 0.17 35 2.43 1.19 32 2.67 0.96 38 0.67 0.36 30 0.41 0.16 13 1.11 0.37 26 2.59 1.24 21 19.59 9.01 3 0.91 0.3 42 0.56 0.26 34 39.99 20 5 0.25 0.13 15 6 4.29 7 0.69 0.33<	price_unit	wholesale	current_inventory
1.44 0.43 2 1.02 0.37 2 1.19 0.44 44 3.86 1.66 19 1.69 0.91 10 2.54 0.89 25 3.99 1.44 26 0.96 0.56 32 0.96 0.57 33 4.89 2 42 1.15 0.58 41 0.38 0.21 42 0.53 0.29 2 0.43 0.17 35 2.43 1.19 32 2.67 0.96 38 0.67 0.36 30 0.41 0.16 13 1.11 0.37 26 2.59 1.24 21 19.59 9.01 3 0.91 0.3 42 0.56 0.26 34 39.99 20 5 0.69 0.33 2 0.69 0.33 2 0.69 0.33			
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0.95 0.35 13 1.39 0.74 25 1.12 0.57 36 3.52 1.09 40 1.19 0.65 31 0.59 0.21 32 1.17 0.6 28 1.09 0.58 23 5.99 3.41 44 0.99 0.36 38 4.99 2.54 39 1.29 0.57 4	2.99	1.05	10
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1.29 0.57 4	0.99	0.36	38
	4.99	2.54	39
	1.29	0.57	4
16.99 9.17 5	16.99	9.17	5
1.17 0.66 43	1.17	0.66	43
0.89 0.31 17	0.89	0.31	17
0.67 0.33 16	0.67	0.33	16
0.77 0.36 24	0.77	0.36	24

51	english_cheddar	dairy	OZ
52	cranberry_infused_g	dairy	OZ
53	black_pepper_goat_	dairy	OZ
54	aged_gouda	dairy	OZ
55	parmigiano_reggiano	dairy	OZ
56	organic_glazed_waln	dry_goods	OZ
57	kumatos	produce	lb
58	pumpkin_spice_pum	dry_goods	oz
59	medjool_dates	produce	oz
60	satsuma_oranges	produce	lb
61	grapefruits	produce	lb
62	goji_berries	dry_goods	oz
63	organic_garlic	produce	lb
64	white_onions	produce	lb
65	purple_onions	produce	lb
66	yellow_onions	produce	lb
67	barberries	dry_goods	oz
68	salmonberries	produce	lb
69	wholewheat_cousco	dry_goods	oz
70	orzo	dry_goods	oz
71	autumn_pilaf	dry_goods	oz
72	wild_rice	dry_goods	oz
73	cheddar_corn_sticks	snacks	oz
74	poppy_onion_sesam	snacks	oz
75	rice_crackers	snacks	oz
76	cheddar_whales	snacks	oz
77	sugar_snap_peas	produce	lb
78	garam_masala	dry_goods	OZ
79	darjeeling_black_tea	dry_goods	oz
80	rooibos_tea	dry_goods	OZ
81	irish_breakfast_black	dry_goods	OZ
82	mango_black_tea	dry_goods	OZ
83	soy_ginger_trail_mix	snacks	OZ
84	buckwheat_flour	dry_goods	lb
85	cranberry_milk	beverages	fl_oz

0.89	0.53	15
1.79	0.72	15
1.69	0.63	11
1.23	0.69	38
1.1	0.39	30
0.86	0.4	11
3.6	1.19	20
0.96	0.45	19
4.29	1.37	21
2.06	0.87	39
0.55	0.22	15
1.17	0.56	19
3.57	1.32	24
1.22	0.44	2
1.32	0.45	20
1.12	0.44	11
1.74	0.87	34
0.67	0.29	11
0.27	0.09	20
0.19	0.1	3
0.24	0.11	42
0.27	0.16	12
0.69	0.32	14
0.75	0.4	44
0.57	0.3	0
0.69	0.24	35
2.67	1.52	11
1.44	0.49	40
3.3	1.39	15
3.49	1.85	0
2.99	1.7	40
3.08	1.29	22
0.39	0.22	30
2.59	1.22	2
0.08	0.04	36
0.08	0.04	36

product_id produce_type product_type produce produce produce dry_goods dairy snacks other meat snacks bread produce snacks other meat snacks bread snacks bread snacks bread snacks bread snacks	1.Finding produc	t_type for each product_id using VLOOKUP	2.Finding the pro
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	other		
67	dry_goods		
13	beverages		
55	dairy		
69	dry_goods		
54	dairy		
3	produce		
83	snacks		
26	beverages		
22	meat		
5	produce		
32	produce		
	dairy		
51	dairy		
	frozen		
48	dry_goods		
	dry_goods		
	produce		
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	other		
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77	produce		

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	frozen
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40	frozen
39	snacks
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63	produce
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	dairy
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	beverages
	frozen
	produce
33	canned_jarred_goods
36	canned_jarred_goods
29	dairy
20	snacks
79	dry_goods
8	produce
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62	dry_goods
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39	snacks
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	dry_goods
36	canned_jarred_goods
82	dry_goods
	dairy
60	produce
62	dry_goods
21	snacks
81	dry_goods
56	dry_goods
74	snacks
30	dairy
19	snacks
67	dry_goods
42	produce
81	dry_goods
24	dry_goods
20	snacks
21	snacks
36	canned_jarred_goods
11	produce
72	dry_goods
57	produce
73	snacks
28	dry_goods
76	snacks
25	meat
2	produce
12	dairy
9	produce
10	produce
16	snacks
65	produce
	other
20	snacks
14	snacks
27	other
60	produce

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63 produce 78 dry_goods 82 dry_goods 69 dry_goods 69 dry_goods 78 dry_goods 78 dry_goods 78 dry_goods 78 dry_goods 78 dry_goods 79 dry_goods 70 dry_goods 71 dry_goods 72 produce 73 beverages 74 produce 75 produce 76 produce 77 produce 78 dry_goods 79 produce 70 dry_goods 70 dry_goods 71 dry_goods 71 dry_goods 72 produce 73 dry_goods 74 frozen 75 produce 76 produce 77 produce 78 snacks 79 produce 79 snacks 70 snacks 70 produce 70 dry_goods 71 produce 71 snacks 72 produce 73 dry_goods 74 produce 75 snacks 76 snacks 77 produce 76 snacks 77 produce 77 produce 78 dry_goods 79 snacks 70 snacks 70 produce 70 frozen 71 snacks 72 produce 73 frozen 74 produce 75 snacks 76 snacks 77 produce 76 snacks 77 produce 77 produce 78 dry_goods 79 snacks 70 snacks 70 snacks 70 snacks 71 snacks	69	dry_goods
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58 dry_goods 57 produce 19 snacks 26 beverages 13 beverages 2 produce 35 frozen 6 produce 23 dry_goods 46 frozen 21 snacks 11 produce 64 produce 15 snacks 7 produce 40 frozen 38 frozen 36 canned_jarred_goods 75 snacks 35 frozen 35 frozen 35 snacks		
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13 beverages 2 produce 35 frozen 6 produce 23 dry_goods 46 frozen 21 snacks 11 produce 64 produce 15 snacks 7 produce 40 frozen 38 frozen 36 canned_jarred_goods 35 frozen		
2 produce 35 frozen 6 produce 23 dry_goods 46 frozen 21 snacks 11 produce 64 produce 15 snacks 7 produce 40 frozen 38 frozen 36 canned_jarred_goods 35 frozen 35 frozen 35 frozen 35 frozen		
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6 produce 23 dry_goods 46 frozen 21 snacks 11 produce 64 produce 15 snacks 76 snacks 7 produce 40 frozen 38 frozen 36 canned_jarred_goods 75 snacks 35 frozen 15 snacks		
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21 snacks </th <th></th> <th></th>		
11 produce ————————————————————————————————————		
64 produce 15 snacks 76 snacks 7 produce 40 frozen 38 frozen 36 canned_jarred_goods 75 snacks 35 frozen 15 snacks		
15 snacks </th <th></th> <th></th>		
76 snacks 7 produce 40 frozen 38 frozen 36 canned_jarred_goods 75 snacks 35 frozen 15 snacks		
7 produce		
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40 trozen		
78 dry_goods		
2 produce		
64 produce		
13 beverages		
78 dry_goods		
48 dry_goods		
17 other		
15 snacks		
48 dry_goods		
39 snacks	39	snacks

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0.5	
	frozen
	produce
	dry_goods
	dairy
75	snacks
42	produce
17	other
81	dry_goods
24	dry_goods
57	produce
57	produce
46	frozen
38	frozen
36	canned_jarred_goods
	canned_jarred_goods
	produce
	dairy
	produce
	other
	meat
	dry_goods
	frozen
	produce
	dry_goods
	frozen
	produce
	dry_goods
	produce
	other
	produce
	beverages
	produce
	frozen
	produce dry goods
	dry_goods frozen
	frozen
	snacks
	produce due to a constant de la cons
	dry_goods
	dry_goods
	snacks
	dairy
	produce
	produce
	produce
	snacks
	produce
27	other

40	date
	dairy
	dry_goods
	snacks
	snacks
	frozen
	produce
	frozen
	produce
	canned_jarred_goods
	snacks
21	snacks
55	dairy
71	dry_goods
	dairy
	produce
59	produce
	dry_goods
33	canned_jarred_goods
49	dairy
69	dry_goods
15	snacks
11	produce
73	snacks
27	other
10	produce
39	snacks
84	dry_goods
13	beverages
55	dairy
40	frozen
5	produce
54	dairy
69	dry_goods
2	produce
	snacks
73	snacks
31	snacks
24	dry_goods
	snacks
77	produce
84	dry_goods
	frozen
52	dairy
	dry_goods
	snacks
	dairy
	snacks
	dry_goods

4.5			
	snacks		
	dry_goods		
	dairy		
	produce		
	dairy		
	beverages		
	dry_goods		
	produce		
	produce		
56	dry_goods		
54	dairy		
64	produce		
12	dairy		
69	dry_goods		
	frozen		
	produce		
	produce		
61	produce		
9	produce		
29	dairy		
72	dry_goods		
54	dairy		
47	dairy		
77	produce		
25	meat		
78	dry_goods		
1	produce		
13	beverages		
32	produce		
40	frozen		
55	dairy		
61	produce		
3	produce		
6	produce		
62	dry_goods		
26	beverages		
51	dairy		
60	produce		
2	produce		
31	snacks		
58	dry_goods		
28	dry_goods		
57	produce		
63	produce		
	dry_goods		
79	dry_goods		
39	snacks		
65	produce		

27	£
	frozen
	frozen
	produce
	snacks
	produce
	dry_goods
43	bread
18	dry_goods
46	frozen
82	dry_goods
42	produce
59	produce
71	dry_goods
56	dry_goods
	dairy
	dairy
	snacks
48	dry_goods
	dry_goods
	dry_goods
	dairy
	produce
	produce
	produce
	frozen
	bread
	snacks
	dairy
	meat
	canned_jarred_goods
	beverages
	canned_jarred_goods
	dairy
	produce
	snacks
	produce
	produce
	meat
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	dairy
	snacks
	dry_goods
	produce
	dry_goods
	dairy
	other
	dry_goods
33	canned_jarred_goods

77	
	produce
	frozen
	dry_goods
	produce
	meat
	snacks
	dry_goods
	produce
	dairy
	frozen
	snacks
	produce
32	produce
34	canned_jarred_goods
59	produce
66	produce
34	canned_jarred_goods
60	produce
46	frozen
9	produce
24	dry_goods
	dry_goods
	dry_goods
	bread
67	dry_goods
	produce
	snacks
	other
	frozen
22	meat
	dairy
	dairy
	dry_goods
	dry_goods
	dry_goods
	frozen
	dry_goods
	snacks
	beverages
	canned_jarred_goods
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	produce
	meat
	beverages
	frozen
	produce
41	frozen
33	canned_jarred_goods
56	dry_goods
72	dry_goods
32	produce
27	other
40	frozen
36	canned_jarred_goods
12	dairy
52	dairy
52	dairy
33	canned_jarred_goods
45	frozen
14	snacks
2	produce
15	snacks
84	dry_goods
77	produce
41	frozen
8	produce
36	canned_jarred_goods
16	snacks
65	produce
32	produce
54	dairy
52	dairy
40	frozen
20	snacks
12	dairy
	produce
19	snacks
26	beverages
70	dry_goods
	snacks
79	dry_goods
15	snacks
38	frozen
61	produce
	produce
	produce
	frozen
	produce
	dry_goods

22	
	produce
	meat
	frozen
21	snacks
78	dry_goods
55	dairy
11	produce
32	produce
47	dairy
20	snacks
66	produce
	frozen
	canned_jarred_goods
	produce
	produce
	other
	produce
	other
	dairy
	produce
	produce
	dry_goods
	produce
	dairy
	dry_goods
	produce
11	produce
70	dry_goods
43	bread
26	beverages
72	dry_goods
78	dry_goods
16	snacks
9	produce
	snacks
	produce
	bread
	dairy
	frozen
	dry_goods
	dairy
	frozen
	dry_goods
	dairy
	produce
	produce
	other
64	produce

80	dry_goods
	frozen
	snacks
	produce
	dry_goods
	produce
	produce
	produce
	beverages
	dairy
	dry_goods
	snacks
26	beverages
	produce
	produce
	snacks
64	produce
12	dairy
64	produce
	dairy
84	dry_goods
18	dry_goods

1.Finding unit price using vlookup	
Product_id	Price_unit
3	1.02
61	0.55
23	0.91
52	1.79
4	1.19
76	0.69
45	1.29
17	2.67
31	0.61
21	2.59
47	1.17
44	4.99
8	3.99
60	2.06
38	1.19
64	1.22
12	1.15
14	0.53
17	2.67
70	0.19
10	0.96
18	0.67
77	2.67
25	39.99
47	1.17
36	1.12
10	0.96
66	1.12
21	2.59
42	5.99
56	0.86
29	0.63
36 41	1.12 1.09
22	19.59
73	0.69
41	1.09
76	0.69
70	0.69
6	1.69
6	1.69
29	0.63
10	0.03
47	1.17
68	0.67
08	0.07

2.Finding Average of unit_price to	op 3 product_name using p	ivot table	
Product_name	Avg_unit_price	Product name	Avg_unit_price
smoked_salmon	39.99	smoked_salmon	39.99
smoked_trout	19.59	smoked_trout	19.59
frozen_salmon	16.99	frozen_salmon	16.99
celery foam	6		
porchini_mushrooms	5.99		
frozen_clams	4.99		
pineberry	4.89		
medjool_dates	4.29		
pluot	3.99		
blood_orange	3.86		
kumatos	3.6		
organic_garlic	3.57		
chocolate_ganache_torte	3.52		
rooibos_tea	3.49		
darjeeling_black_tea	3.3		
strawberry	3.28		
mango_black_tea	3.08		
arugula	2.99		
irish_breakfast_black_tea	2.99		
bottled_organic_air	2.67		
sugar_snap_peas	2.67		
buckwheat_flour	2.59		
buttermilk_pancake_crunchies	2.59		
tayberry	2.54		
arugula_crisps	2.43		
satsuma_oranges	2.06		
cranberry_infused_goat_cheese	1.79		
barberries	1.74		
black_pepper_goat_cheese	1.69		
blood_lime	1.69		
apple_fuji	1.44		
garam_masala	1.44		
eggplant_caponata	1.39		
purple_onions	1.32		
butter_chicken	1.29		
aged_gouda	1.23		
white_onions	1.22		
clementines	1.19		
pork_gyoza	1.19		
goji_berries	1.17		
paneer	1.17		
vegetable_gyoza	1.17		
vegan_egg_substitute	1.15		
olive_tapanade	1.12		
yellow_onions	1.12		

52	1.79
41	1.09
14	0.53
27	6
67	1.74
13	0.38
55	1.1
69	0.27
54	1.23
3	1.02
83	0.39
26	0.25
22	19.59
5	3.86
32	2.99
47	1.17
51	0.89
40	1.17
48	0.89
28	0.69
68	0.67
3	1.02
65	1.32
7	2.54
67	1.74
7	2.54
3	1.02
72	0.27
84	2.59
65	1.32
14	0.53
44	4.99
59	4.29
63	3.57
52	1.79
19	0.41
8	3.99
69	0.27
66	1.12
24	0.56
7	2.54
1	3.28
17	2.67
52	1.79
61	0.55
62	1.17
77	2.67
2	1.44

sriracha_popcorn	1.11	
parmigiano_reggiano	1.1	
frozen_tamales	1.09	
orange	1.02	
garlic_naan	0.99	
white_bean_and_basil_hummus	0.97	
pomello	0.96	
pumpkin_spice_pumpkin_seeds	0.96	
tangelo	0.96	
edamame_hummus	0.95	
camembert_cheese	0.91	
pine_nuts	0.91	
english_cheddar	0.89	
organic_mung_beans	0.89	
organic_glazed_walnuts	0.86	
white_cheddar	0.77	
poppy_onion_sesame_sticks	0.75	
cheddar_corn_sticks	0.69	
cheddar_whales	0.69	
protein_powder	0.69	
chia_seeds	0.67	
salmonberries	0.67	
silken_tofu	0.67	
asiago_cheese	0.63	
almond_nut_thins	0.61	
table_wafers	0.59	
rice_crackers	0.57	
dried_apricots	0.56	
grapefruits	0.55	
falafel_chips	0.53	
sweet_potato_hockey_pucks	0.43	
all_natural_cheese_poofs	0.41	
soy_ginger_trail_mix	0.39	
asparagus_water	0.38	
wholewheat_couscous	0.27	
wild_rice	0.27	
green_juice	0.25	
autumn_pilaf	0.24	
orzo	0.19	
cranberry_milk	0.08	

41 1.09 56 0.86 75 0.57 75 0.57 40 1.17 39 0.59 51 0.89 52 1.79 63 3.57 43 0.99 28 0.69 30 0.91 23 0.91 18 0.67 20 1.11 67 1.74 53 1.69 56 0.86 80 3.49 50 0.77 13 0.38 44 4.99 61 0.55 33 0.97 36 1.12 29 0.63 20 1.11 79 3.3 8 3.99 76 0.69 62 1.17 70 0.19 81 2.99 64 1.22 11 4.89 79 3.3<		
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75		
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50	0.86	
74	0.75	
30	0.91	
19	0.41	
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20	1.11	
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81	2.99
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42	5.99
69	0.27
76	0.69
63	3.57
78	1.44
82	3.08
69	0.27
81	2.99
78	1.44
80	3.49
58	0.96
57	3.6
19	0.41
26	0.25
13	0.38
2	1.44
35	1.39
6	1.69
23	0.91
46	16.99
21	2.59
11	4.89
64	1.22
15	0.43
76	0.69
7	2.54
40	1.17
38	1.19
36	1.12
75	0.57
35	1.39
15	0.43
40	1.17
78	1.44
2	1.44
64	1.22
13	0.38
78	1.44
48	0.89
17	2.67
15	0.43
48	0.43
39	0.59
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60	2.06	
12	1.15	
5	3.86	
27	6	
25	39.99	
78	1.44	
37	3.52	
59	4.29	
70	0.19	
46	16.99	
11	4.89	
72	0.27	
65	1.32	
27	6	
77	2.67	
13	0.38	
11	4.89	
37	3.52	
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18	0.67	
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5	3.86
36	1.12
15	0.43
21	2.59
55	1.1
71	0.24
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59	4.29
72	0.27
33	0.97
49	0.67
69	0.27
15	0.43
11	4.89
73	0.69
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13	0.38
84	2.59
65	1.32
1	3.28
56	0.86
54	1.23
64	1.22
12	1.15
69	0.27
37	3.52
8	3.99
8	3.99
61	0.55
9	0.96
29	0.63
72	0.27
54	1.23
47	1.17
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44	4.99
2	1.44
74	0.75
9	0.96
78	1.44
43	0.99
18	0.67
46	16.99
82	3.08
42	5.99
59	4.29
71	0.24
56	0.86
49	0.67
30	0.91
15	0.43
48	0.89
79	3.3
71	0.24
53	1.69
63	3.57
77	2.67
66	1.12
44	4.99
43	0.99
39	0.59
51	0.89
22	19.59
36	1.12
26	0.25
36	1.12
29	0.63
6	1.69
16	2.43
6	1.69
11	4.89
22	19.59
74	0.75
54	1.23
16	2.43
23	0.91
4	1.19
69	0.27
12	1.15
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78	1.44	
32	2.99	
22	19.59	
73	0.69	
62	1.17	
61	0.55	
54	1.23	
45	1.29	
31	0.61	
65	1.32	
32	2.99	
34	0.95	
59	4.29	
66	1.12	
34	0.95	
60	2.06	
46	16.99	
9	0.96	
24	0.56	
81	2.99	
80	3.49	
43	0.99	
67	1.74	
60	2.06	
14	0.53	
27	6	
41	1.09	
22	19.59	
51	0.89	
29	0.63	
67	1.74	
58	0.96	
70	0.19	
41	1.09	
84	2.59	
14	0.53	
26	0.25	
36	1.12	
11	4.89	
83	0.39	
82	3.08	
45	1.29	
68	0.67	
23	0.91	
60	2.06	
70	0.19	
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56	0.86	
72	0.27	
32	2.99	
27	6	
40	1.17	
36	1.12	
12	1.15	
52	1.79	
52	1.79	
33	0.97	
45	1.29	
14	0.53	
2	1.44	
15	0.43	
84	2.59	
77	2.67	
41	1.09	
8	3.99	
36	1.12	
16	2.43	
65	1.32	
32	2.99	
54	1.23	
52	1.79	
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32	2.99	

22	10.50
22	19.59
41	1.09
21	2.59
78	1.44
55	1.1
11	4.89
32	2.99
47	1.17
20	1.11
66	1.12
40	1.17
36	1.12
9	0.96
66	1.12
17	2.67
42	5.99
17	2.67
52	1.79
59	4.29
66	1.12
82	3.08
1	3.28
12	1.15
79	3.3
1	3.28
11	4.89
70	0.19
43	0.99
26	0.25
72	0.27
78	1.44
16	2.43
9	0.96
83	0.39
8	3.99
43	0.99
55	1.1
46	16.99
80	3.49
53	1.69
45	1.29
23	0.91
52	1.79
57	3.6
7	2.54
17	2.67
64	1.22
80	3.49

41	1.09
74	0.75
7	2.54
72	0.27
3	1.02
77	2.67
60	2.06
26	0.25
54	1.23
84	2.59
39	0.59
26	0.25
65	1.32
2	1.44
39	0.59
64	1.22
12	1.15
64	1.22
30	0.91
84	2.59
18	0.67

Categorizing the data ba	ased on the transa	iction in 2 types		
0 0		,.		
	unitprice of		unitprice of	
Drice unit	product less	Total count	product more	Total Count
Price_unit 1.02	than 1 dollar	Total count 53	than 1 dollar	Total Count 30
0.55	0	55	0	30
0.91	0		1	
1.79	1		0	
1.19	1		0	
0.69	0		1	
1.29	1		0	
2.67	1		0	
0.61	0		1	
2.59	1		0	
1.17	1		0	
4.99	1		0	
3.99	1		0	
2.06	1		0	
1.19	1		0	
1.22	1		0	
1.15	1		0	
0.53	0		1	
2.67	1		0	
0.19	0		1	
0.96	0		1	
0.67	0		1	
2.67	1		0	
39.99	1		0	
1.17	1		0	
1.12	1		0	
0.96	0		1	
1.12	1		0	
2.59	1		0	
5.99	1		0	
0.86	0		1	
0.63	0		1	
1.12	1		0	
1.09	1		0	
19.59	1		0	
0.69	0		1	
1.09	1		0	
0.69	0		1	
0.24	0		1	
1.69	1		0	
1.69	1		0	
0.63	0		1	
0.96	0		1	
1.17	1		0	

0.67	0	1
1.79	1	0
1.09	1	0
0.53	0	1
6	1	0
1.74	1	0
0.38	0	1
1.1	1	0
0.27	0	1
1.23	1	0
1.02	1	0
0.39	0	1
0.25	0	1
19.59	1	0
3.86	1	0
2.99	1	0
1.17	1	0
0.89	0	1
1.17	1	0
0.89	0	1
0.69	0	1
0.67	0	1
1.02	1	0
1.32	1	0
2.54	1	0
1.74	1	0
2.54	1	0
1.02	1	0
0.27	0	1
2.59	1	0
1.32	1	0
0.53	0	1
4.99	1	0
4.29	1	0
3.57	1	0
1.79	1	0
0.41	0	1
3.99	1	0
0.27	0	1

product_name	AVERAGE of price_unit
aged_gouda	1.23
all_natural_chee	0.41
almond_nut_thir	0.61
apple_fuji	1.44
arugula	2.99
arugula_crisps	2.43
asiago_cheese	0.63
asparagus_water	0.38
autumn_pilaf	0.24
barberries	1.74
black_pepper_gc	1.69
blood_lime	1.69
blood_orange	3.86
bottled_organic_	2.67
buckwheat_flour	2.59
butter chicken	1.29
buttermilk_panca	2.59
camembert_che	0.91
celery_foam	6
cheddar_corn_st	0.69
cheddar_whales	0.69
chia_seeds	0.67
chocolate_ganac	3.52
clementines	1.19
cranberry_infuse	1.79
cranberry milk	0.08
darjeeling_black_	3.3
dried_apricots	0.56
edamame_humn	0.95
eggplant_capona	1.39
english_cheddar	0.89
falafel_chips	0.53
frozen_clams	4.99
frozen_salmon	16.99
frozen_tamales	1.09
garam_masala	1.44
garlic_naan	0.99
goji_berries	1.17
grapefruits	0.55
green_juice	0.25
irish_breakfast_k	2.99
kumatos	3.6
mango_black_te	3.08
medjool_dates	4.29
olive_tapanade	1.12
orange	1.02
organic_garlic	3.57
000	3.57

organic_glazed_v	0.86
organic_mung_b	0.89
orzo	0.19
paneer	1.17
parmigiano_regg	1.1
pine_nuts	0.91
pineberry	4.89
pluot	3.99
pomello	0.96
poppy_onion_se	0.75
porchini_mushro	5.99
pork_gyoza	1.19
protein_powder	0.69
pumpkin_spice_I	0.96
purple_onions	1.32
rice_crackers	0.57
rooibos_tea	3.49
salmonberries	0.67
satsuma_orange:	2.06
silken_tofu	0.67
$smoked_salmon$	39.99
smoked_trout	19.59
soy_ginger_trail_	0.39
sriracha_popcorr	1.11
strawberry	3.28
sugar_snap_peas	2.67
sweet_potato_ho	0.43
table_wafers	0.59
tangelo	0.96
tayberry	2.54
vegan_egg_subst	1.15
vegetable_gyoza	1.17
white_bean_and	0.97
white_cheddar	0.77
white_onions	1.22
wholewheat_cou	0.27
wild_rice	0.27
yellow_onions	1.12
Grand Total	2.477529412

produce_type	SUM of price_un
beverages	2.4
bread	0.99
canned_jarred_g	7.69
dairy	31.37
dry_goods	79.42
frozen	84.95
meat	158.34
other	31.35
produce	138.41
snacks	40.68
Grand Total	575.6



