Contingency Table for State vs. Category

All	154	31	82	49	39	355
Technology	21	8	12	11	9	61
Office Supplies	99	19	52	32	24	226
Furniture	34	4	18	6	6	68
Category	California	Florida	New York	Pennsylvania	Washington	All

Chi-squared Statistic for State vs. Category: 7.609239532617199

P-value for State vs. Category: 0.9384922341073199

Degrees of Freedom for State vs. Category: 15

Expected Frequencies for State vs. Category

Total	307.99999	62.00000	163.99999	97.99999	78.00000	709
State 4	154	31	82	49	39	355
State 3	26.46197	5.32676	14.09014	8.41972	6.70141	61
State 2	98.03944	19.73521	52.20282	31.19437	24.82817	226
State 1	29.49859	5.93803	15.70704	9.38592	7.47042	68
State	Category 1	Category 2	Category 3	Category 4	Category 5	Total

Contingency Table: City vs. Category

City	Furniture	Office Supplies	Technology	All
Anaheim	0	4	0	4
Auburn	0	1	1	2
Bakersfield	0	2	0	2
Bellingham	0	0	1	1
Boca Raton	0	0	1	1
Brentwood	0	2	0	2
Chester	0	2	0	2
Chico	2	0	0	2
Coral Gables	1	0	0	1
Coral Springs	1	1	0	2
Temecula	0	0	1	1
Thousand Oaks	0	1	0	1
Troy	0	1	0	1
Vallejo	0	2	0	2
Vancouver	0	1	0	1
Visalia	0	1	1	2
Westminster	2	0	1	3
Yonkers	0	1	0	1
York	0	1	0	1

Chi-squared Statistic for City vs. Category: 136.6433792755114

P-value for City vs. Category: 0.9998415333418985

Degrees of Freedom for City vs. Category: 201

Expected Frequencies for City vs. Category:

[[7.66197183e-01 3.83098592e-01 3.83098592e-01 1.91549296e-01 1.91549296e-01 3.83098592e-01 3.83098592e-01 3.83098592e-01 1.91549296e-01 3.83098592e-01 1.91549296e-01 1.91549296e-01 1.91549296e-01 3.83098592e-01 1.91549296e-01 1.91549296e-01 3.83098592e-01 1.91549296e-01 3.83098592e-01 1.91549296e-01 1.91549296e-01 9.57746479e-01 1.91549296e-01 1.91549296e-01 1.91549296e-01 3.83098592e-01 1.14929577e+00 9.19436620e+00 3.83098592e-01 1.91549296e-01 3.83098592e-01 1.91549296e-01 1.26422535e+01 7.66197183e-01 1.91549296e-01 1.91549296e-01 7.66197183e-01 7.66197183e-01 7.66197183e-01 8.42816901e+00 1.91549296e-01 1.91549296e-01 1.91549296e-01 3.83098592e-01 1.91549296e-01 1.91549296e-01 1.91549296e-01 1.34084507e+00 1.91549296e-01 1.91549296e-01 2.87323944e+00 7.08732394e+00 7.66197183e-01 6.12957746e+00 1.91549296e-01 1.91549296e-01 3.83098592e-01 3.83098592e-01 1.91549296e-01 1.91549296e-01 1.91549296e-01 3.83098592e-01 1.91549296e-01 3.83098592e-01 5.74647887e-01 1.91549296e-01 1.91549296e-01 6.80000000e+01] [2.54647887e+00 1.27323944e+00 1.27323944e+00 6.36619718e-01 6.36619718e-01 1.27323944e+00 1.27323944e+00 1.27323944e+00

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Contingency Table: Region vs. Category

All	68	226	61	355
West	40	123	30	193
South	4	19	8	31
East	24	84	23	131
Region	Furniture	Office Supplies	Technology	All

Chi-squared Statistic for Region vs. Category: 2.6145098494873653

P-value for Region vs. Category: 0.9776436489904881

Degrees of Freedom for Region vs. Category: 9

Expected Frequencies for Region vs. Category

Total	68	226	61	355
Category 3	36.97	122.87	33.16	193
Category 2	5.94	19.74	5.33	31
Category 1	25.09	83.40	22.51	131
Category \ Region	Region 1	Region 2	Region 3	Total

Contingency Table: Ship Mode vs. Category

Ship Mode	Furniture	Office Supplies	Technology	All
First Class	12	38	11	61
Same Day	3	16	2	21
Second Class	11	41	10	62
Standard Class	42	131	38	211
All	68	226	61	355

Chi-squared Statistic for Ship Mode vs. Category: 1.9389568404078847

P-value for Ship Mode vs. Category: 0.99949383053106

Degrees of Freedom for Ship Mode vs. Category: 12

Ship Mode / Category	Cat 1	Cat 2	Cat 3	Cat 4	Total
1	11.68	4.02	11.88	40.42	68.00
2	38.83	13.37	39.47	134.33	226.00
3	10.48	3.61	10.65	36.26	61.00

4	61.00	21.00	62.00	211.00	355.00

Contingency Table: Order Month vs. Category (Horizontal)

Category	1	2	3	4	5	6	7	8	9	10	11	12	All
Furniture	1	2	7	5	5	4	8	3	9	5	7	12	68
Office Supplies	6	6	12	20	10	15	12	18	32	16	45	34	226
Technology	1	2	3	7	3	6	4	4	8	4	10	9	61
All	8	10	22	32	18	25	24	25	49	25	62	55	355

Chi-squared Statistic for Order Month vs. Category: 12.527163740063461

P-value for Order Month vs. Category: 0.9999033454092042

Degrees of Freedom for Order Month vs. Category: 36

Expected Frequencies for Order Month vs. Category

Category / Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1	1.53	1.92	4.21	6.13	3.45	4.79	4.60	4.79	9.39	4.79	11.88	10.54	68.00
2	5.09	6.37	14.01	20.37	11.46	3 15.92	15.28	15.92	31.19	15.92	39.47	35.01	226.00