

***The FREQ Procedure***

Number of Variable Levels	
Variable	Levels
Region	2

Region	Frequency	Percent
North America	24	46.15
Not North America	28	53.85

Obs	Product ID	Start of Date	End of Date	Cost PPU	Sales PPU
1	210200100009	09/06/2007	31/12/9999	15.50	34.70
2	210200100017	24/01/2007	31/12/9999	17.80	.
3	210200200023	04/07/2007	31/12/9999	\$8.25	19.80
4	210200600067	27/10/2007	31/12/9999	28.90	.
5	210200600085	28/08/2007	31/12/9999	17.85	39.40
6	210200600112	04/01/2007	31/12/9999	\$9.25	21.80
7	210200900033	17/09/2007	31/12/9999	\$6.45	14.20
8	210200900038	01/02/2007	31/12/9999	\$9.30	20.30
9	210201000050	02/04/2007	31/12/9999	\$9.00	19.60
10	210201000126	22/04/2007	31/12/9999	\$2.30	\$6.50
11	210201000198	07/10/2007	31/12/9999	26.80	60.10
12	210201100004	18/04/2007	31/12/9999	21.50	49.20
13	220100100189	29/07/2007	31/12/9999	47.45	94.70
14	220100100192	13/08/2007	31/12/9999	13.80	27.40
15	220100100309	30/05/2007	31/12/9999	48.25	96.30
16	220100100354	08/05/2007	31/12/9999	\$8.45	.
17	220100200004	29/07/2007	31/12/9999	\$2.60	\$6.50
18	220100300008	14/04/2007	31/12/9999	34.35	85.70
19	220100300042	17/02/2007	31/12/9999	84.35	208.6
20	220100400023	19/06/2007	31/12/9999	40.75	93.60
21	220100700002	17/10/2007	31/12/9999	89.95	188.6
22	220100700022	08/01/2007	31/12/9999	24.10	56.90
23	220100700024	02/09/2007	31/12/9999	49.80	104.6
24	220100700027	04/05/2007	31/12/9999	29.85	59.50
25	220100700042	01/12/2007	31/12/9999	38.45	90.60
26	220100700046	12/01/2007	31/12/9999	73.60	154.4
27	220100700052	10/05/2007	31/12/9999	57.85	121.6
28	220100800001	09/02/2007	31/12/9999	18.35	38.60
29	220100800009	01/12/2007	31/12/9999	24.95	52.50
30	220100800040	17/09/2007	31/12/9999	60.20	126.5
31	220100800071	01/12/2007	31/12/9999	16.15	33.70
32	220100800096	10/04/2007	31/12/9999	35.30	74.10
33	220100900006	08/05/2007	31/12/9999	35.45	88.40
34	220101200006	04/06/2007	31/12/9999	22.15	55.20

Obs	Product ID	Start of Date	End of Date	Cost PPU	Sales PPU
35	220101200025	13/08/2007	31/12/9999	11.70	26.90
36	220101200029	08/01/2007	31/12/9999	23.75	54.80
37	220101300001	02/10/2007	31/12/9999	14.95	33.60
38	220101300012	20/05/2007	31/12/9999	\$8.80	19.40
39	220101300017	24/06/2007	31/12/9999	\$7.50	16.60
40	220101400004	24/07/2007	31/12/9999	48.15	105.7
41	220101400017	25/03/2007	31/12/9999	\$5.00	11.10
42	220101400047	13/08/2007	31/12/9999	11.10	24.20
43	220101400060	14/06/2007	31/12/9999	14.80	32.40
44	220101400061	10/05/2007	31/12/9999	23.30	51.00
45	220101400088	01/11/2007	31/12/9999	17.50	38.40
46	220101400091	27/10/2007	31/12/9999	15.60	.
47	220101400098	20/04/2007	31/12/9999	14.95	32.70
48	220101400117	09/02/2007	31/12/9999	21.25	46.40
49	220101400130	08/01/2007	31/12/9999	\$5.70	16.90
50	220101400145	07/09/2007	31/12/9999	\$7.75	16.70
51	220101400148	21/03/2007	31/12/9999	\$4.75	10.50
52	220101400201	09/03/2007	31/12/9999	18.05	40.60
53	220101400216	17/10/2007	31/12/9999	11.30	24.60
54	220101400237	04/05/2007	31/12/9999	46.90	102.9
55	220101400238	30/05/2007	31/12/9999	25.95	56.90
56	220101400265	08/08/2007	31/12/9999	16.55	37.10
57	220101400269	06/04/2007	31/12/9999	29.80	.
58	220101400276	13/08/2007	31/12/9999	31.20	68.40
59	220101400285	04/05/2007	31/12/9999	27.05	59.40
60	220101400290	29/03/2007	31/12/9999	34.10	74.80
61	220101400306	18/08/2007	31/12/9999	33.70	.
62	220101400310	11/03/2007	31/12/9999	14.30	32.10
63	220101400328	26/04/2007	31/12/9999	\$8.85	.
64	220101400339	02/09/2007	31/12/9999	14.75	32.30
65	220101400349	11/11/2007	31/12/9999	\$4.80	11.90
66	220101400363	27/09/2007	31/12/9999	16.95	39.00
67	220101400373	17/10/2007	31/12/9999	23.65	51.80
68	220101400385	04/06/2007	31/12/9999	13.40	26.90

Obs	Product ID	Start of Date	End of Date	Cost PPU	Sales PPU
69	220101400387	02/09/2007	31/12/9999	\$5.85	12.60
70	220200100009	22/09/2007	31/12/9999	30.50	63.40
71	220200100129	08/05/2007	31/12/9999	39.45	.
72	220200100226	27/10/2007	31/12/9999	66.70	133.2
73	220200200022	25/03/2007	31/12/9999	33.90	57.30
74	220200200036	08/01/2007	31/12/9999	27.40	60.20
75	220200200071	16/03/2007	31/12/9999	47.00	108.2
76	220200200073	05/02/2007	31/12/9999	66.35	145.9
77	220200200077	05/03/2007	31/12/9999	63.15	138.8
78	220200200079	29/06/2007	31/12/9999	64.85	142.9
79	220200300002	05/02/2007	31/12/9999	17.50	38.50
80	220200300005	08/05/2007	31/12/9999	52.35	.
81	220200300015	25/04/2007	31/12/9999	52.40	.
82	220200300079	22/10/2007	31/12/9999	28.90	64.90
83	220200300116	11/03/2007	31/12/9999	38.35	84.20
84	220200300157	26/11/2007	31/12/9999	36.65	73.40
85	230100100018	07/09/2007	31/12/9999	67.40	159.1
86	230100100033	09/02/2007	31/12/9999	26.65	57.80
87	230100100063	30/04/2007	31/12/9999	177.8	387.7
88	230100200022	13/08/2007	31/12/9999	58.00	.
89	230100200025	14/06/2007	31/12/9999	125.3	275.9
90	230100200059	07/10/2007	31/12/9999	16.80	39.10
91	230100200073	15/04/2007	31/12/9999	20.20	46.90
92	230100200074	21/03/2007	31/12/9999	26.45	54.10
93	230100300006	19/07/2007	31/12/9999	34.35	68.50
94	230100300010	23/08/2007	31/12/9999	19.80	49.40
95	230100300013	17/03/2007	31/12/9999	\$5.05	.
96	230100300023	31/03/2007	31/12/9999	15.00	.
97	230100400010	04/05/2007	31/12/9999	16.85	40.20
98	230100400012	04/07/2007	31/12/9999	12.15	30.30
99	230100400025	25/04/2007	31/12/9999	\$6.60	.
100	230100500087	14/06/2007	31/12/9999	40.55	97.50
101	230100500092	26/04/2007	31/12/9999	49.05	117.8
102	230100500093	30/05/2007	31/12/9999	55.85	132.8

Obs	Product ID	Start of Date	End of Date	Cost PPU	Sales PPU
103	230100500095	29/06/2007	31/12/9999	42.00	101.7
104	230100600035	03/08/2007	31/12/9999	16.00	33.20
105	230100600036	05/04/2007	31/12/9999	50.40	103.2
106	230100600039	20/05/2007	31/12/9999	60.80	127.1
107	230100700002	25/04/2007	31/12/9999	135.0	.
108	230100700008	30/04/2007	31/12/9999	253.2	519.3
109	230100700009	01/03/2007	31/12/9999	290.0	568.1
110	230100700011	17/10/2007	31/12/9999	120.3	291.7
111	240100100029	20/04/2007	31/12/9999	51.70	119.5
112	240100100031	28/08/2007	31/12/9999	\$1.30	\$3.70
113	240100100063	23/08/2007	31/12/9999	\$9.90	24.60
114	240100100065	21/02/2007	31/12/9999	13.80	34.70
115	240100100159	17/03/2007	31/12/9999	13.90	31.40
116	240100100184	16/05/2007	31/12/9999	88.80	190.4
117	240100100232	28/08/2007	31/12/9999	\$1.30	\$3.20
118	240100100305	06/03/2007	31/12/9999	\$4.10	\$8.90
119	240100100312	14/06/2007	31/12/9999	\$7.70	18.10
120	240100100365	12/01/2007	31/12/9999	87.40	191.6
121	240100100410	27/09/2007	31/12/9999	10.40	22.70
122	240100100434	07/09/2007	31/12/9999	\$8.05	16.40
123	240100100463	22/09/2007	31/12/9999	\$6.05	14.70
124	240100100477	28/01/2007	31/12/9999	\$3.30	\$8.50
125	240100100581	19/07/2007	31/12/9999	11.95	.
126	240100100605	25/02/2007	31/12/9999	20.75	48.20
127	240100100610	09/06/2007	31/12/9999	29.45	65.20
128	240100100665	01/11/2007	31/12/9999	17.25	41.50
129	240100100672	30/04/2007	31/12/9999	84.90	197.9
130	240100100676	30/04/2007	31/12/9999	18.65	43.40
131	240100100679	27/10/2007	31/12/9999	19.50	45.80
132	240100100690	21/03/2007	31/12/9999	86.10	201.5
133	240100100737	05/05/2007	31/12/9999	20.65	47.90
134	240100200001	06/03/2007	31/12/9999	\$6.35	.
135	240100200004	11/11/2007	31/12/9999	14.80	35.20
136	240100400004	06/03/2007	31/12/9999	51.15	102.4

Obs	Product ID	Start of Date	End of Date	Cost PPU	Sales PPU
137	240100400005	30/05/2007	31/12/9999	131.7	266.4
138	240100400006	04/05/2007	31/12/9999	117.8	238.2
139	240100400037	16/03/2007	31/12/9999	113.7	.
140	240100400043	17/03/2007	31/12/9999	139.5	.
141	240100400044	08/05/2007	31/12/9999	194.6	393.9
142	240100400062	16/11/2007	31/12/9999	54.00	113.2
143	240100400070	10/05/2007	31/12/9999	128.0	175.9
144	240100400080	13/03/2007	31/12/9999	111.0	.
145	240100400083	16/05/2007	31/12/9999	54.70	109.5
146	240100400085	25/03/2007	31/12/9999	30.95	64.50
147	240100400129	11/03/2007	31/12/9999	111.0	237.4
148	240100400142	13/03/2007	31/12/9999	90.80	181.3
149	240100400143	20/05/2007	31/12/9999	83.40	166.6
150	240100400147	28/01/2007	31/12/9999	131.5	265.9
151	240100400151	10/04/2007	31/12/9999	209.5	.
152	240200100007	17/03/2007	31/12/9999	11.80	24.70
153	240200100020	25/03/2007	31/12/9999	104.6	197.1
154	240200100034	27/10/2007	31/12/9999	\$4.45	12.20
155	240200100051	24/06/2007	31/12/9999	72.00	140.3
156	240200100052	28/01/2007	31/12/9999	51.90	100.6
157	240200100053	13/08/2007	31/12/9999	44.95	87.20
158	240200100056	20/01/2007	31/12/9999	19.90	41.20
159	240200100057	20/05/2007	31/12/9999	20.25	.
160	240200100073	09/02/2007	31/12/9999	12.60	22.30
161	240200100081	21/11/2007	31/12/9999	\$3.65	\$8.30
162	240200100098	16/03/2007	31/12/9999	\$6.75	14.60
163	240200100101	14/06/2007	31/12/9999	10.30	19.50
164	240200100116	09/02/2007	31/12/9999	124.9	219.5
165	240200100118	21/11/2007	31/12/9999	89.55	175.5
166	240200100124	24/07/2007	31/12/9999	12.35	24.50
167	240200100154	29/03/2007	31/12/9999	11.95	26.60
168	240200100164	24/02/2007	31/12/9999	28.15	56.10
169	240200100173	01/03/2007	31/12/9999	247.7	484.3
170	240200100181	02/09/2007	31/12/9999	56.60	109.3

Obs	Product ID	Start of Date	End of Date	Cost PPU	Sales PPU
171	240200100183	14/07/2007	31/12/9999	47.95	95.70
172	240200100207	27/09/2007	31/12/9999	53.35	107.9
173	240200100211	01/03/2007	31/12/9999	60.65	.
174	240200100225	04/05/2007	31/12/9999	77.85	153.1
175	240200100226	25/02/2007	31/12/9999	86.65	183.9
176	240200100227	25/05/2007	31/12/9999	75.90	161.9
177	240200100230	18/04/2007	31/12/9999	\$6.65	14.70
178	240200100232	18/08/2007	31/12/9999	14.40	28.60
179	240200100246	09/07/2007	31/12/9999	\$7.90	16.20
180	240200200007	24/01/2007	31/12/9999	\$8.40	84.20
181	240200200011	01/12/2007	31/12/9999	13.00	135.7
182	240200200013	31/03/2007	31/12/9999	42.60	426.2
183	240200200015	25/03/2007	31/12/9999	12.25	27.90
184	240200200020	25/02/2007	31/12/9999	14.00	150.1
185	240200200024	10/04/2007	31/12/9999	12.50	125.4
186	240200200026	14/07/2007	31/12/9999	41.65	.
187	240200200035	28/08/2007	31/12/9999	39.65	98.90
188	240200200039	05/02/2007	31/12/9999	\$9.95	24.10
189	240200200044	12/01/2007	31/12/9999	19.60	48.90
190	240200200061	11/11/2007	31/12/9999	58.85	147.1
191	240200200068	27/10/2007	31/12/9999	159.2	313.8
192	240200200081	13/02/2007	31/12/9999	10.75	107.3
193	240200200091	14/02/2007	31/12/9999	72.60	181.3
194	240300100028	10/05/2007	31/12/9999	251.4	533.2
195	240300100032	04/06/2007	31/12/9999	315.2	630.4
196	240300200018	19/06/2007	31/12/9999	41.65	91.50
197	240300200058	09/02/2007	31/12/9999	41.70	91.80
198	240300300024	25/05/2007	31/12/9999	23.20	54.60
199	240300300065	10/05/2007	31/12/9999	146.4	321.5
200	240300300070	06/11/2007	31/12/9999	231.9	509.8
201	240300300090	25/04/2007	31/12/9999	244.2	536.3
202	240400200003	26/11/2007	31/12/9999	\$3.00	\$6.20
203	240400200012	09/03/2007	31/12/9999	75.95	175.7
204	240400200036	30/04/2007	31/12/9999	25.85	57.10

Obs	Product ID	Start of Date	End of Date	Cost PPU	Sales PPU
205	240400200057	12/05/2007	31/12/9999	65.85	145.8
206	240400200097	10/04/2007	31/12/9999	124.2	416.8
207	240400300013	02/09/2007	31/12/9999	22.60	54.30
208	240400300039	10/04/2007	31/12/9999	\$7.90	19.60
209	240500100004	26/03/2007	31/12/9999	28.00	63.50
210	240500100015	25/05/2007	31/12/9999	25.80	58.10
211	240500100026	22/10/2007	31/12/9999	24.50	55.20
212	240500100029	16/05/2007	31/12/9999	26.10	58.90
213	240500100039	20/04/2007	31/12/9999	15.40	34.50
214	240500100041	09/02/2007	31/12/9999	51.70	129.1
215	240500100043	30/04/2007	31/12/9999	\$8.85	26.20
216	240500100057	17/10/2007	31/12/9999	17.10	38.40
217	240500100062	19/07/2007	31/12/9999	24.05	55.10
218	240500200003	08/08/2007	31/12/9999	11.40	23.80
219	240500200016	08/08/2007	31/12/9999	14.50	31.70
220	240500200042	06/11/2007	31/12/9999	19.35	40.60
221	240500200056	12/01/2007	31/12/9999	11.75	24.50
222	240500200081	08/01/2007	31/12/9999	56.05	134.5
223	240500200082	09/03/2007	31/12/9999	16.45	39.20
224	240500200093	01/03/2007	31/12/9999	19.75	41.70
225	240500200121	10/04/2007	31/12/9999	13.25	27.80
226	240500200122	13/02/2007	31/12/9999	11.50	24.10
227	240500200130	01/11/2007	31/12/9999	11.70	.
228	240600100010	12/09/2007	31/12/9999	\$6.75	16.70
229	240600100016	13/03/2007	31/12/9999	22.10	55.80
230	240600100080	16/05/2007	31/12/9999	\$9.20	30.40
231	240600100102	16/03/2007	31/12/9999	19.70	46.10
232	240600100181	14/06/2007	31/12/9999	16.30	37.40
233	240600100185	21/03/2007	31/12/9999	15.60	35.10
234	240700100001	21/03/2007	31/12/9999	12.30	23.60
235	240700100004	16/05/2007	31/12/9999	13.75	26.60
236	240700100017	01/12/2007	31/12/9999	11.40	26.60
237	240700200004	26/11/2007	31/12/9999	\$2.20	\$4.20
238	240700200007	24/07/2007	31/12/9999	\$2.20	\$5.10



Obs	Product ID	Start of Date	End of Date	Cost PPU	Sales PPU
239	240700200009	22/04/2007	31/12/9999	11.35	.
240	240700200010	21/03/2007	31/12/9999	10.30	26.90
241	240700200018	16/11/2007	31/12/9999	10.30	18.80
242	240700200021	25/04/2007	31/12/9999	10.55	19.60
243	240700200024	16/01/2007	31/12/9999	\$6.60	16.70
244	240700400003	26/11/2007	31/12/9999	\$5.60	12.40
245	240700400017	03/08/2007	31/12/9999	22.15	47.30
246	240700400020	31/03/2007	31/12/9999	41.30	79.30
247	240700400031	01/03/2007	31/12/9999	31.60	.
248	240800100074	26/11/2007	31/12/9999	126.7	316.6
249	240800200002	26/04/2007	31/12/9999	71.55	178.9
250	240800200008	31/03/2007	31/12/9999	68.20	170.5
251	240800200009	04/06/2007	31/12/9999	34.90	87.20
252	240800200010	21/02/2007	31/12/9999	49.95	125.2
253	240800200020	14/06/2007	31/12/9999	85.15	187.2
254	240800200021	01/03/2007	31/12/9999	42.45	97.80
255	240800200030	28/08/2007	31/12/9999	19.50	49.50
256	240800200034	30/05/2007	31/12/9999	35.70	78.50
257	240800200037	25/03/2007	31/12/9999	24.90	57.50
258	240800200062	22/10/2007	31/12/9999	16.75	36.80
259	240800200063	24/02/2007	31/12/9999	19.70	43.40

Obs	ID	Last	Title	HireDate	Salary
1	120102	Zhou	Sales Manager	06JAN1989	.
2	120103	Dawes	Sales Manager	01JAN1974	87975
3	120261	Highpoint		08JAN1987	243190
4	121143	Favaron	Senior Sales Manager	07JAN1997	95090
5	121144	Capachietti	Sales Manager	.	83505
6	121145	Lansberry	Sales Manager	04JAN1976	84260

Obs	ID	Last	Title	HireDate	Salary
1	120102	Zhou	Sales Manager	06JAN1989	.
2	120103	Dawes	Sales Manager	01JAN1974	\$87,975
3	120261	Highpoint		08JAN1987	\$243,190
4	121143	Favaron	Senior Sales Manager	07JAN1997	\$95,090
5	121144	Capachietti	Sales Manager	.	\$83,505
6	121145	Lansberry	Sales Manager	04JAN1976	\$84,260

Obs	name	HomeTown	Disciplineage	Age	Gender	Hope	NoOfStClass
1	Ji Shen	Taizhou	Economics	30	M	Form a good programming habit in sas	2
2	Ian Murray	Bridgeport	Chemistry	23	M	get a basic understanding of SAS and R as to help me in statistical analysis of my research	1
3	Elissa Ashley	Orlando	NaturalResources	24	F	I am hoping to gain a greater understanding of SAS and R programming so that I can utilize these tools in my Graduate research	2
4	Rongjing Wang	Dalian	Electrical engineering	23	M	I want to have a basic understanding of SAS and R from future research	5

Obs	NoOfLanguage	ExpSas	GroupTrait
1	1	Medium	We live with Pets
2	0	None	We live with Pets
3	0	Little	We live with Pets
4	2	little	We live with Pets