

ภาคผนวก ค

ผลการประมวลผลจากโปรแกรม SAS 9 for Window

กรณีศึกษา 1 กำหนดค่าขอบเขตล่าง เป็นศูนย์บาท ในกรณีที่ผู้ปกครองตอบไม่ยินดีจ่ายทั้งสองครั้ง

- Mean of WTP = 369.64
- Median of WTP = 222.85
- Pseudo R^2 (%) = 23.06

The SAS System
The LIFEREG Procedure

Model Information

Data Set	WORK.CVM
Dependent Variable	Log(low)
Dependent Variable	Log(up)
Number of Observations	471
Noncensored Values	0
Right Censored Values	162
Left Censored Values	0
Interval Censored Values	309
Zero or Negative Response	186
Name of Distribution	Lognormal
Log Likelihood	-666.4679399

Analysis of Parameter Estimates

Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	5.4065	0.0521	5.3043	5.5087	10757.4	<.0001
Scale	1	1.0060	0.0427	0.9258	1.0932		

The SAS System
The LIFEREG Procedure

Model Information

Data Set	WORK.CVM
Dependent Variable	Log(low)
Dependent Variable	Log(up)
Number of Observations	471
Noncensored Values	0
Right Censored Values	162
Left Censored Values	0
Interval Censored Values	309
Zero or Negative Response	186
Name of Distribution	Lognormal
Log Likelihood	-512.7964368

Analysis of Parameter Estimates

Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	6.0000	0.2824	5.4466	6.5534	451.55	<.0001
bid	50	-1.7277	0.0833	-1.8910	-1.5643	429.69	<.0001
bid	100	-1.1625	0.0847	-1.3285	-0.9964	188.34	<.0001
bid	200	-0.7201	0.0844	-0.8855	-0.5546	72.74	<.0001
bid	400	0.0000	.	.	.	.	.
freq	1	0.0031	0.0064	-0.0096	0.0157	0.23	0.6334
sex	1	0.1489	0.0607	0.0298	0.2679	6.00	0.0143
sex	2	0.0000	.	.	.	.	.
age	1	-0.0047	0.0041	-0.0128	0.0033	1.31	0.2521
edu	1	0.0077	0.0089	-0.0096	0.0251	0.76	0.3832
occ	1	0.0968	0.0853	-0.0704	0.2641	1.29	0.2565
occ	2	0.0631	0.0866	-0.1066	0.2328	0.53	0.4663
occ	3	0.0936	0.0873	-0.0774	0.2647	1.15	0.2833
occ	4	0.0000	.	.	.	.	.
sta	1	-0.0421	0.0716	-0.1824	0.0982	0.35	0.5564
sta	2	0.0000	.	.	.	.	.
inc	1	0.0000	0.0000	0.0000	0.0000	5.39	0.0202
minor	1	0.0527	0.0317	-0.0094	0.1147	2.77	0.0963
chid	1	0.0004	0.0008	-0.0012	0.0020	0.19	0.6624
male	1	-0.0011	0.0008	-0.0026	0.0004	1.94	0.1640
expect	1	-0.0009	0.0266	-0.0531	0.0513	0.00	0.9730
ipoint	1	-0.2436	0.0810	-0.4024	-0.0849	9.04	0.0026
ipoint	2	-0.2240	0.0965	-0.4131	-0.0348	5.39	0.0203
ipoint	3	0.0000	.	.	.	.	.
ihour	1	0.0043	0.0043	-0.0042	0.0127	0.96	0.3267
iact	1	0.0622	0.0925	-0.1192	0.2435	0.45	0.5017
iact	2	0.1922	0.0732	0.0489	0.3356	6.91	0.0086
iact	3	0.0521	0.1655	-0.2722	0.3765	0.10	0.7527
iact	4	0.0000	.	.	.	.	.
family	1	0.0071	0.0075	-0.0075	0.0218	0.91	0.3408
care	1	-0.0092	0.0106	-0.0299	0.0116	0.75	0.3866
know	1	0.0115	0.0148	-0.0175	0.0405	0.61	0.4362
rea	1	0.0014	0.0182	-0.0344	0.0371	0.01	0.9397
par	1	0.1886	0.0943	0.0039	0.3733	4.00	0.0454
par	2	0.0000	.	.	.	.	.
Scale	1	0.5484	0.0260	0.4998	0.6017	.	.

กรณีที่ 2 กำหนดค่าขอบเขตล่าง เป็น 1 บาท ในกรณีที่ผู้ปกครองตอบไม่ยินดีจ่ายทั้งสองครั้ง

- Mean of WTP = 316.54
- Median of WTP = 132.26
- Pseudo R^2 (%) = 12.92

The SAS System

The LIFEREG Procedure

Model Information

Data Set	WORK.CVM
Dependent Variable	Log(low)
Dependent Variable	Log(up)
Number of Observations	657
Noncensored Values	0
Right Censored Values	162
Left Censored Values	0
Interval Censored Values	495
Name of Distribution	Lognormal
Log Likelihood	-922.3667729

Analysis of Parameter Estimates

Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	4.8848	0.0569	4.7733	4.9962	7380.12	<.0001
Scale	1	1.3211	0.0567	1.2145	1.4371		

The SAS System
The LIFEREG Procedure

Model Information

Data Set	WORK.CVM
Dependent Variable	Log(low)
Dependent Variable	Log(up)
Number of Observations	657
Noncensored Values	0
Right Censored Values	162
Left Censored Values	0
Interval Censored Values	495
Name of Distribution	Lognormal
Log Likelihood	-803.1833429

Analysis of Parameter Estimates

Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	4.0466	0.3894	3.2833	4.8098	107.98	<.0001
bid	50	-1.2557	0.1172	-1.4853	-1.0260	114.84	<.0001
bid	100	-1.0509	0.1133	-1.2729	-0.8289	86.08	<.0001
bid	200	-0.6040	0.1132	-0.8259	-0.3821	28.45	<.0001
bid	400	0.0000	.	.	.	.	.
freq	1	-0.0009	0.0092	-0.0189	0.0171	0.01	0.9238
sex	1	0.2632	0.0856	0.0954	0.4311	9.45	0.0021
sex	2	0.0000	.	.	.	.	.
age	1	-0.0024	0.0057	-0.0135	0.0087	0.18	0.6682
edu	1	0.0187	0.0122	-0.0053	0.0427	2.34	0.1265
occ	1	0.1384	0.1203	-0.0973	0.3742	1.32	0.2498
occ	2	0.1073	0.1200	-0.1278	0.3424	0.80	0.3710
occ	3	0.1278	0.1217	-0.1108	0.3664	1.10	0.2939
occ	4	0.0000	.	.	.	.	.
sta	1	-0.1424	0.1009	-0.3402	0.0553	1.99	0.1581
sta	2	0.0000	.	.	.	.	.
inc	1	0.0000	0.0000	0.0000	0.0000	10.04	0.0015
minor	1	0.0329	0.0446	-0.0544	0.1202	0.55	0.4600
chid	1	0.0028	0.0012	0.0006	0.0051	6.02	0.0141
male	1	0.0006	0.0011	-0.0016	0.0028	0.29	0.5891
expect	1	0.1170	0.0364	0.0457	0.1883	10.35	0.0013
ipoint	1	-0.4765	0.1174	-0.7066	-0.2465	16.49	<.0001
ipoint	2	-0.3894	0.1358	-0.6555	-0.1232	8.22	0.0041
ipoint	3	0.0000	.	.	.	.	.
ihour	1	0.0050	0.0059	-0.0066	0.0167	0.71	0.3979
iact	1	0.3281	0.1281	0.0770	0.5791	6.56	0.0104
iact	2	0.4455	0.1009	0.2478	0.6433	19.50	<.0001
iact	3	0.4264	0.2477	-0.0592	0.9120	2.96	0.0852
iact	4	0.0000	.	.	.	.	.
family	1	-0.0003	0.0105	-0.0209	0.0203	0.00	0.9784
care	1	-0.0264	0.0141	-0.0541	0.0012	3.51	0.0609
know	1	0.0469	0.0209	0.0059	0.0879	5.02	0.0250
rea	1	0.0838	0.0232	0.0384	0.1292	13.09	0.0003
par	1	0.2869	0.1339	0.0245	0.5493	4.59	0.0321
par	2	0.0000	.	.	.	.	.
Scale	1	0.9034	0.0424	0.8239	0.9905	.	.

กรณีที่ 3 ไม่กำหนดค่าขอบเขตล่าง ในกรณีที่ผู้ปกครองตอบไม่ยินดีจ่ายทั้งสองครั้ง

- Mean of WTP = 317.36
- Median of WTP = 132.18
- Pseudo R^2 (%) = 12.91

The SAS System
The LIFEREG Procedure

Model Information

Data Set	WORK.CVM
Dependent Variable	Log(low)
Dependent Variable	Log(up)
Number of Observations	657
Noncensored Values	0
Right Censored Values	162
Left Censored Values	186
Interval Censored Values	309
Name of Distribution	Lognormal
Log Likelihood	-922.2961259

Analysis of Parameter Estimates

Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	4.8842	0.0570	4.7725	4.9959	7343.05	<.0001
Scale	1	1.3235	0.0575	1.2154	1.4411		

The SAS System
The LIFEREG Procedure

Model Information

Data Set	WORK.CVM
Dependent Variable	Log(low)
Dependent Variable	Log(up)
Number of Observations	657
Noncensored Values	0
Right Censored Values	162
Left Censored Values	186
Interval Censored Values	309
Name of Distribution	Lognormal
Log Likelihood	-803.1798535

Analysis of Parameter Estimates

Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	4.0462	0.3895	3.2827	4.8096	107.90	<.0001
bid	50	-1.2557	0.1172	-1.4854	-1.0260	114.80	<.0001
bid	100	-1.0509	0.1133	-1.2729	-0.8288	86.06	<.0001
bid	200	-0.6040	0.1132	-0.8259	-0.3820	28.45	<.0001
bid	400	0.0000	.	.	.	.	.
freq	1	-0.0009	0.0092	-0.0189	0.0171	0.01	0.9237
sex	1	0.2633	0.0856	0.0954	0.4311	9.45	0.0021
sex	2	0.0000	.	.	.	.	.
age	1	-0.0024	0.0057	-0.0135	0.0087	0.18	0.6683
edu	1	0.0187	0.0122	-0.0053	0.0427	2.34	0.1265
occ	1	0.1385	0.1203	-0.0974	0.3743	1.32	0.2498
occ	2	0.1073	0.1200	-0.1278	0.3425	0.80	0.3710
occ	3	0.1278	0.1218	-0.1108	0.3665	1.10	0.2939
occ	4	0.0000	.	.	.	.	.
sta	1	-0.1424	0.1009	-0.3402	0.0553	1.99	0.1581
sta	2	0.0000	.	.	.	.	.
inc	1	0.0000	0.0000	0.0000	0.0000	10.03	0.0015
minor	1	0.0329	0.0446	-0.0544	0.1203	0.55	0.4600
chid	1	0.0028	0.0012	0.0006	0.0051	6.02	0.0142
male	1	0.0006	0.0011	-0.0016	0.0028	0.29	0.5892
expect	1	0.1171	0.0364	0.0457	0.1884	10.35	0.0013
ipoint	1	-0.4766	0.1174	-0.7067	-0.2465	16.48	<.0001
ipoint	2	-0.3894	0.1358	-0.6556	-0.1233	8.22	0.0041
ipoint	3	0.0000	.	.	.	.	.
ihour	1	0.0050	0.0059	-0.0066	0.0167	0.71	0.3979
iact	1	0.3281	0.1281	0.0770	0.5792	6.56	0.0104
iact	2	0.4456	0.1009	0.2478	0.6434	19.49	<.0001
iact	3	0.4265	0.2478	-0.0592	0.9121	2.96	0.0852
iact	4	0.0000	.	.	.	.	.
family	1	-0.0003	0.0105	-0.0209	0.0203	0.00	0.9784
care	1	-0.0264	0.0141	-0.0541	0.0012	3.51	0.0609
know	1	0.0469	0.0209	0.0059	0.0879	5.02	0.0250
rea	1	0.0838	0.0232	0.0384	0.1292	13.09	0.0003
par	1	0.2869	0.1339	0.0245	0.5493	4.59	0.0321
par	2	0.0000	.	.	.	.	.
Scale	1	0.9035	0.0425	0.8240	0.9907	.	.