

Příloha 1 – Podrobné výsledky modelu diskrétní volby: nulové výdaje za energie

Data00

The LOGISTIC Procedure

Analysis of Maximum Likelihood Estimates

Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	186.3	37.6693	24.4644	<.0001
ROK	1	-0.0931	0.0189	24.1891	<.0001
INCOME	1	-4.41E-7	1.699E-7	6.7438	0.0094
village	1	1.6736	0.0497	1133.4668	<.0001
small_city	1	0.7908	0.0439	324.0181	<.0001
heatinggas	1	-2.0374	0.0668	931.4828	<.0001
CONSTRUCTION	1	-0.0823	0.0122	45.4731	<.0001
plynje	1	-2.7528	0.0489	3168.7613	<.0001
RENTAL	1	-0.1248	0.0401	9.6957	0.0018
farmer	1	0.3689	0.0588	39.3165	<.0001
retired	1	-0.1626	0.0498	10.6537	0.0011
college	1	-0.1244	0.0528	5.5606	0.0184
p_gas	1	0.1915	0.0300	40.7276	<.0001

Association of Predicted Probabilities and Observed Responses

Percent Concordant	96.0	Somers' D	0.923
Percent Discordant	3.8	Gamma	0.925
Percent Tied	0.2	Tau-a	0.390
Pairs	45730575	c	0.961

Analysis of Maximum Likelihood Estimates

Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	304.2	24.4418	154.9289	<.0001
ROK	1	-0.1521	0.0123	153.6245	<.0001
INCOME	1	-2.72E-7	1.296E-7	4.3938	0.0361
village	1	1.7627	0.0306	3311.2770	<.0001
small_city	1	0.7355	0.0265	769.3169	<.0001
heatinggas	1	-2.1300	0.0604	1244.8952	<.0001
CONSTRUCTION	1	-0.0603	0.00913	43.6809	<.0001
plynje	1	-2.7659	0.0330	7016.4415	<.0001
RENTAL	1	-0.2006	0.0245	67.1892	<.0001
farmer	1	0.3653	0.0344	113.0831	<.0001
retired	1	-0.0266	0.0310	0.7369	0.3907
college	1	-0.2114	0.0323	42.8720	<.0001
p_gas	1	0.2169	0.0148	213.7974	<.0001

Association of Predicted Probabilities and Observed Responses

Percent Concordant	94.9	Somers' D	0.899
Percent Discordant	5.0	Gamma	0.901
Percent Tied	0.2	Tau-a	0.403
Pairs	232241701	c	0.950

ZEROHEAT

Data00

Analysis of Maximum Likelihood Estimates

Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-161.2	42.1121	14.6610	0.0001
ROK	1	0.0869	0.0217	16.0820	<.0001
INCOME	1	-4.01E-7	1.355E-7	8.7603	0.0031
village	1	1.5275	0.0403	1433.2707	<.0001
small_city	1	0.7287	0.0337	466.8559	<.0001
heatinggas	1	-2.3849	0.0652	1336.1077	<.0001
CONSTRUCTION	1	0.000038	0.00968	0.0000	0.9968
plynwaterje	1	-0.9039	0.0998	81.9659	<.0001
RENTAL	1	0.0636	0.0302	4.4510	0.0349
farmer	1	0.2934	0.0511	33.0110	<.0001
retired	1	-0.1083	0.0392	7.6282	0.0057
college	1	-0.0613	0.0401	2.3367	0.1264
p_heat	1	-0.0560	0.00637	77.2865	<.0001
p_gas	1	0.5654	0.0573	97.3480	<.0001

Association of Predicted Probabilities and Observed Responses

Percent Concordant	86.4	Somers' D	0.732
Percent Discordant	13.2	Gamma	0.735
Percent Tied	0.4	Tau-a	0.309
Pairs	45730575	c	0.866

Data

Analysis of Maximum Likelihood Estimates

Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	160.3	23.7251	45.6727	<.0001
ROK	1	-0.0808	0.0119	45.9313	<.0001
INCOME	1	-3.6E-7	1.051E-7	11.7218	0.0006
village	1	1.5667	0.0258	3692.9682	<.0001
small_city	1	0.6873	0.0214	1035.0424	<.0001
heatinggas	1	-2.5080	0.0583	1850.3784	<.0001
CONSTRUCTION	1	-0.00288	0.00731	0.1557	0.6931
plynwaterje	1	-1.7821	0.0618	832.6463	<.0001
RENTAL	1	-0.00377	0.0192	0.0387	0.8441
farmer	1	0.3521	0.0303	134.9881	<.0001
retired	1	-0.00431	0.0254	0.0288	0.8651
college	1	-0.1139	0.0251	20.5366	<.0001
p_heat	1	-0.00237	0.000360	43.4788	<.0001
p_gas	1	0.1855	0.0126	217.1271	<.0001

Association of Predicted Probabilities and Observed Responses

Percent Concordant	85.4	Somers' D	0.711
Percent Discordant	14.3	Gamma	0.713
Percent Tied	0.2	Tau-a	0.319
Pairs	232241701	c	0.856

COAL**Data00**

Parameter	Standard	Wald		Chi-Square	Pr > ChiSq
	DF	Estimate	Error		
Intercept	1	-377.3	89.1855	17.8953	<.0001
ROK	1	0.1990	0.0462	18.5624	<.0001
INCOME	1	-3.68E-7	1.349E-7	7.4591	0.0063
village	1	1.5488	0.0403	1478.9518	<.0001
small_city	1	0.7258	0.0336	466.4117	<.0001
heatinggas	1	-2.5397	0.0647	1541.7735	<.0001
CONSTRUCTION	1	0.0106	0.00959	1.2144	0.2705
RENTAL	1	0.0727	0.0300	5.8574	0.0155
farmer	1	0.2726	0.0507	28.8759	<.0001
retired	1	-0.0976	0.0390	6.2487	0.0124
college	1	-0.0669	0.0399	2.8110	0.0936
p_coal	1	-0.00249	0.000911	7.4731	0.0063
p_heat	1	-0.0702	0.00812	74.6029	<.0001
p_gas	1	0.6146	0.0604	103.4830	<.0001

Data

Analysis of Maximum Likelihood Estimates

Parameter	DF	Estimate	Standard	Wald	Pr > ChiSq
			Error	Chi-Square	
Intercept	1	245.4	23.2819	111.0793	<.0001
ROK	1	-0.1238	0.0117	111.8593	<.0001
INCOME	1	-2.58E-7	1.033E-7	6.2508	0.0124
village	1	1.5973	0.0252	4009.4078	<.0001
small_city	1	0.6733	0.0207	1058.4496	<.0001
heatinggas	1	-2.7268	0.0590	2136.3702	<.0001
CONSTRUCTION	1	-0.00896	0.00763	1.3799	0.2401
RENTAL	1	0.00437	0.0186	0.0550	0.8146
farmer	1	0.3410	0.0295	134.0585	<.0001
retired	1	-0.0135	0.0246	0.2992	0.5844
college	1	-0.1090	0.0245	19.8827	<.0001
p_coal	1	0.00157	0.000222	49.9418	<.0001
p_heat	1	-0.00985	0.00107	84.9350	<.0001
p_gas	1	0.2681	0.0126	450.5651	<.0001

Association of Predicted Probabilities and Observed Responses

Percent Concordant	83.4	Somers' D	0.671
Percent Discordant	16.3	Gamma	0.672
Percent Tied	0.3	Tau-a	0.300
Pairs	232241701	c	0.835

Datadph

Parameter	Standard	Wald		Chi-Square	Pr > ChiSq
	DF	Estimate	Error		
Intercept	1	-431.2	171.1	6.3514	0.0117
ROK	1	0.2159	0.0858	6.3269	0.0119
INCOME	1	-5.11E-7	1.722E-7	8.7914	0.0030
village	1	1.5069	0.0381	1561.4208	<.0001
small_city	1	0.6248	0.0324	371.9695	<.0001
heatinggas	1	-2.7369	0.1140	576.6506	<.0001
CONSTRUCTION	1	0.0211	0.0149	2.0093	0.1563
RENTAL	1	0.0688	0.0289	5.6824	0.0171
farmer	1	0.3496	0.0451	60.0894	<.0001
retired	1	-0.0129	0.0388	0.1101	0.7400
college	1	-0.0821	0.0378	4.7053	0.0301
p_coal	1	0.000943	0.000523	3.2566	0.0711
p_heat	1	-0.00751	0.00200	14.1146	0.0002
p_gas	1	-0.0435	0.0695	0.3910	0.5318

Association of Predicted Probabilities and Observed Responses

Percent Concordant	81.2	Somers' D	0.627
Percent Discordant	18.5	Gamma	0.628
Percent Tied	0.3	Tau-a	0.279
Pairs	36163140	c	0.81

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Standard Parameter	Wald DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	728.9	605.4	1.4496	0.2286
ROK	1	-0.3663	0.3038	1.4541	0.2279
INCOME	1	-5.41E-6	8.851E-7	37.2976	<.0001
village	1	0.1739	0.1240	1.9663	0.1608
small_city	1	-0.1042	0.1305	0.6372	0.4247
heatinggas	1	0.3238	0.1436	5.0832	0.0242
CONSTRUCTION	1	0.0967	0.0427	5.1292	0.0235
RENTAL	1	-0.0473	0.1075	0.1934	0.6601
farmer	1	-0.4736	0.2077	5.2011	0.0226
retired	1	-0.6639	0.1446	21.0879	<.0001
college	1	-0.3392	0.2314	2.1493	0.1426
p_coal	1	-0.00207	0.00185	1.2584	0.2620
p_heat	1	0.00668	0.00727	0.8432	0.3585
p_gas	1	0.4209	0.2273	3.4309	0.0640

Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	-121.5	97.5305	1.5514	0.2129
ROK	1	0.0600	0.0488	1.5086	0.2194
INCOME	1	-5.36E-6	8.721E-7	37.8388	<.0001
village	1	0.1809	0.1230	2.1642	0.1413
small_city	1	-0.0778	0.1284	0.3671	0.5446
CONSTRUCTION	1	0.0609	0.0352	2.9939	0.0836
RENTAL	1	-0.0489	0.1065	0.2106	0.6463
farmer	1	-0.4838	0.2067	5.4802	0.0192
retired	1	-0.6542	0.1422	21.1535	<.0001
college	1	-0.3120	0.2256	1.9126	0.1667

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ZEROGAS

groupfarmer1 (FARMER CITY 2000-)

Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	523.3	82.7580	39.9797	<.0001
ROK	1	-0.2618	0.0416	39.6579	<.0001
INCOME	1	-3.04E-7	5.445E-7	0.3118	0.5766
heatinggas	1	-2.8631	0.1917	223.0112	<.0001
plynje	1	-1.2139	0.0978	153.9331	<.0001
CONSTRUCTION	1	0.0532	0.0295	3.2501	0.0714
RENTAL	1	0.3079	0.1133	7.3859	0.0066
college	1	-0.2976	0.1131	6.9198	0.0085
p_gas	1	0.2740	0.0507	29.2140	<.000

Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	348.9	99.4018	12.3182	0.0004
ROK	1	-0.1739	0.0500	12.1128	0.0005
INCOME	1	-1.66E-7	5.453E-7	0.0927	0.7607
heatinggas	1	-2.8691	0.1933	220.2658	<.0001
plynje	1	-1.2050	0.0980	151.1376	<.0001
CONSTRUCTION	1	0.0509	0.0291	3.0681	0.0798
RENTAL	1	0.3248	0.1137	8.1557	0.0043
college	1	-0.3083	0.1137	7.3558	0.0067
p_gas	1	0.2885	0.0513	31.6262	<.0001
p_coal	1	-0.00096	0.000291	10.9253	0.0009

groupfarmer2 (FARMER CITY 2000+)

Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	624.9	104.2	35.9836	<.0001
ROK	1	-0.3132	0.0523	35.8226	<.0001
INCOME	1	1.078E-6	6.017E-7	3.2126	0.0731
heatinggas	1	-5.7063	90.2416	0.0040	0.9496
plynje	1	-1.7666	0.1301	184.4717	<.0001
CONSTRUCTION	1	-0.0558	0.0396	1.9847	0.1589
RENTAL	1	-0.6187	0.1156	28.6415	<.0001
college	1	-0.2409	0.1260	3.6541	0.0559
p_gas	1	0.4103	0.0651	39.6694	<.0001

Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	596.0	131.4	20.5753	<.0001
ROK	1	-0.2986	0.0661	20.4296	<.0001
INCOME	1	1.078E-6	6.022E-7	3.2062	0.0734
heatinggas	1	-5.7061	90.2363	0.0040	0.9496
plynje	1	-1.7676	0.1301	184.4631	<.0001
CONSTRUCTION	1	-0.0545	0.0397	1.8870	0.1695
RENTAL	1	-0.6181	0.1156	28.5765	<.0001
college	1	-0.2422	0.1261	3.6873	0.0548
p_gas	1	0.4110	0.0652	39.7262	<.0001
p_coal	1	-0.00015	0.000410	0.1265	0.722

groupduch1

Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	340.2	150.6	5.1014	0.0239
ROK	1	-0.1695	0.0757	5.0158	0.0251
INCOME	1	-2.61E-7	1.442E-6	0.0329	0.8561

Příloha 1

heatinggas	1	-2.5544	0.1956	170.4770	<.0001
plynje	1	-1.6698	0.2256	54.7786	<.0001
CONSTRUCTION	1	-0.0347	0.0568	0.3741	0.5408
RENTAL	1	-0.2952	0.2002	2.1734	0.1404
college	1	-0.7798	0.2670	8.5262	0.0035
p_gas	1	0.2576	0.0754	11.6826	0.0006
p_coal	1	-0.00039	0.000466	0.7116	0.3989

groupduch2

Parameter	Standard		Wald		Chi-Square	Pr > ChiSq
	DF	Estimate	Error			
Intercept	1	93.5847	131.8	0.5043	0.4776	
ROK	1	-0.0461	0.0663	0.4838	0.4867	
INCOME	1	2.754E-6	1.306E-6	4.4460	0.0350	
heatinggas	1	-2.0287	0.3338	36.9377	<.0001	
plynje	1	-2.3942	0.1367	306.7085	<.0001	
CONSTRUCTION	1	-0.0621	0.0490	1.6051	0.2052	
RENTAL	1	0.0830	0.0992	0.7003	0.4027	
college	1	-0.2631	0.1819	2.0919	0.1481	
p_gas	1	0.1259	0.0651	3.7460	0.0529	
p_coal	1	-0.00060	0.000413	2.1256	0.1449	

groupduch3

Parameter	Standard		Wald		Chi-Square	Pr > ChiSq
	DF	Estimate	Error			
Intercept	1	74.4587	105.8	0.4950	0.4817	
ROK	1	-0.0363	0.0532	0.4666	0.4945	
INCOME	1	-2.69E-6	1.086E-6	6.1285	0.0133	
heatinggas	1	-4.2525	72.1475	0.0035	0.9530	
plynje	1	-3.4662	0.1070	1049.9222	<.0001	
CONSTRUCTION	1	-0.1858	0.0396	21.9678	<.0001	
RENTAL	1	-0.3124	0.0783	15.9114	<.0001	
college	1	-0.0677	0.1266	0.2858	0.5929	
p_gas	1	0.1615	0.0534	9.1427	0.0025	
p_coal	1	-0.00028	0.000329	0.7445	0.3882	

ea1small

Parameter	Standard		Wald		Chi-Square	Pr > ChiSq
	DF	Estimate	Error			
Intercept	1	248.1	287.7	0.7436	0.3885	
ROK	1	-0.1229	0.1446	0.7225	0.3953	
INCOME	1	3.247E-6	2.483E-6	1.7094	0.1911	
heatinggas	1	-2.0778	0.3740	30.8594	<.0001	
plynje	1	-1.5146	0.3507	18.6562	<.0001	
CONSTRUCTION	1	0.0659	0.1007	0.4284	0.5128	
RENTAL	1	0.0410	0.3343	0.0151	0.9023	
college	1	1.7327	0.7025	6.0831	0.0136	
p_gas	1	0.1113	0.1598	0.4845	0.4864	
p_coal	1	-0.00119	0.000894	1.7669	0.1838	

ea11small

zerogas

grouphh

Col Pct	1,	2,	3,	4,	5,	6,	7,	Total
0	352	257	232	460	1402	69	916	10246
	2.39	1.75	1.58	3.13	9.54	0.47	6.23	69.71
	3.44	2.51	2.26	4.49	13.68	0.67	8.94	
	38.34	55.75	46.22	73.84	79.66	51.49	69.39	
1	566	204	270	163	358	65	404	4452
	3.85	1.39	1.84	1.11	2.44	0.44	2.75	30.29
	12.71	4.58	6.06	3.66	8.04	1.46	9.07	
	61.66	44.25	53.78	26.16	20.34	48.51	30.61	
Total	918	461	502	623	1760	134	1320	14698
	6.25	3.14	3.42	4.24	11.97	0.91	8.98	100.00

Col Pct	8,	9,	10,	11,	12,	13,	Total
0	256	1941	128	1147	395	2691	10246
	1.74	13.21	0.87	7.80	2.69	18.31	69.71
	2.50	18.94	1.25	11.19	3.86	26.26	
	44.76	77.95	49.42	79.65	49.81	78.55	
1	316	549	131	293	398	735	4452
	2.15	3.74	0.89	1.99	2.71	5.00	30.29
	7.10	12.33	2.94	6.58	8.94	16.51	
	55.24	22.05	50.58	20.35	50.19	21.45	
Total	572	2490	259	1440	793	3426	14698
	3.89	16.94	1.76	9.80	5.40	23.31	100.0

zerocoal

grouphh

Col Pct	1,	2,	3,	4,	5,	6,	7,	Total
0	461	169	250	98	196	41	78	3673
	3.14	1.15	1.70	0.67	1.33	0.28	0.53	24.99
	12.55	4.60	6.81	2.67	5.34	1.12	2.12	
	50.22	36.66	49.80	15.73	11.14	30.60	5.91	
1	457	292	252	525	1564	93	1242	11025
	3.11	1.99	1.71	3.57	10.64	0.63	8.45	75.01
	4.15	2.65	2.29	4.76	14.19	0.84	11.27	
	49.78	63.34	50.20	84.27	88.86	69.40	94.09	
Total	918	461	502	623	1760	134	1320	14698
	6.25	3.14	3.42	4.24	11.97	0.91	8.98	100.00

Col Pct	8,	9,	10,	11,	12,	13,	Total
0	259	435	124	338	398	826	3673
	1.76	2.96	0.84	2.30	2.71	5.62	24.99
	7.05	11.84	3.38	9.20	10.84	22.49	
	45.28	17.47	47.88	23.47	50.19	24.11	
1	313	2055	135	1102	395	2600	11025
	2.13	13.98	0.92	7.50	2.69	17.69	75.01
	2.84	18.64	1.22	10.00	3.58	23.58	
	54.72	82.53	52.12	76.53	49.81	75.89	
Total	572	2490	259	1440	793	3426	14698
	3.89	16.94	1.76	9.80	5.40	23.31	100.

zeroheat

grouphh

Col Pct	1,	2,	3,	4,	5,	6,	7,	Total
0	45	119	17	259	1205	9	865	6783
	0.31	0.81	0.12	1.76	8.20	0.06	5.89	46.15
	0.66	1.75	0.25	3.82	17.77	0.13	12.75	
	4.90	25.81	3.39	41.57	68.47	6.72	65.53	
1	873	342	485	364	555	125	455	7915
	5.94	2.33	3.30	2.48	3.78	0.85	3.10	53.85
	11.03	4.32	6.13	4.60	7.01	1.58	5.75	
	95.10	74.19	96.61	58.43	31.53	93.28	34.47	

Příloha 1

Total	918	461	502	623	1760	134	1320	14698
	6.25	3.14	3.42	4.24	11.97	0.91	8.98	100.00
Col Pct	8,	9,	10,	11,	12,	13,	Total	
0	49	1456	19	821	33	1886	6783	
	0.33	9.91	0.13	5.59	0.22	12.83	46.15	
	0.72	21.47	0.28	12.10	0.49	27.80		
	8.57	58.47	7.34	57.01	4.16	55.05		
1	523	1034	240	619	760	1540	7915	
	3.56	7.03	1.63	4.21	5.17	10.48	53.85	
	6.61	13.06	3.03	7.82	9.60	19.46		
	91.43	41.53	92.66	42.99	95.84	44.95		
Total	572	2490	259	1440	793	3426	14698	
	3.89	16.94	1.76	9.80	5.40	23.31	100.0	

zeroele groupph

Col Pct	1,	2,	3,	4,	5,	6,	7,	Total
0	918	461	500	617	1756	130	1285	14590
	6.25	3.14	3.40	4.20	11.95	0.88	8.74	99.27
	6.29	3.16	3.43	4.23	12.04	0.89	8.81	
	100.00	100.00	99.60	99.04	99.77	97.01	97.35	
1	0	0	2	6	4	4	35	108
	0.00	0.00	0.01	0.04	0.03	0.03	0.24	0.73
	0.00	0.00	1.85	5.56	3.70	3.70	32.41	
	0.00	0.00	0.40	0.96	0.23	2.99	2.65	
Total	918	461	502	623	1760	134	1320	14698
	6.25	3.14	3.42	4.24	11.97	0.91	8.98	100.00
Col Pct	8,	9,	10,	11,	12,	13,	Total	
0	563	2468	256	1429	790	3417	14590	
	3.83	16.79	1.74	9.72	5.37	23.25	99.27	
	3.86	16.92	1.75	9.79	5.41	23.42		
	98.43	99.12	98.84	99.24	99.62	99.74		
1	9	22	3	11	3	9	108	
	0.06	0.15	0.02	0.07	0.02	0.06	0.73	
	8.33	20.37	2.78	10.19	2.78	8.33		
	1.57	0.88	1.16	0.76	0.38	0.26		
Total	572	2490	259	1440	793	3426	14698	
	3.89	16.94	1.76	9.80	5.40	23.31	100.0	

***** data 2000-2004 *****

groupfarmer1 (grouph==1)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq	
Intercept	1	366.2	140.0	6.8421	0.0089	
ROK	1	-0.1855	0.0703	6.9521	0.0084	
person	1	0.1012	0.0516	3.8399	0.0500	
heatingele9	1	3.0092	0.2666	127.4205	<.0001	
heatingcoal9	1	3.1021	0.2023	235.1746	<.0001	
plynwaterje	1	-1.4724	0.4096	12.9219	0.0003	
heatingcombi	1	1.3242	0.4444	8.8783	0.0029	
czt	1	1.9686	0.2825	48.5731	<.0001	
RENTAL	1	0.4533	0.2103	4.6458	0.0311	
p_gas	1	0.3046	0.1098	7.6914	0.0055	

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq	
Intercept	1	1.9145	0.4604	17.2937	<.0001	
person	1	-0.0709	0.0365	3.7693	0.0522	
heatingcoal9	1	-0.8711	0.0898	94.0248	<.0001	
heatingcombi	1	-0.9274	0.3688	6.3239	0.0119	
CONSTRUCTION	1	0.0922	0.0277	11.0683	0.0009	
p_gas	1	-0.1579	0.0465	11.5436	0.0007	

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq	
Intercept	1	1.7484	0.3330	27.5643	<.0001	
INCOME	1	2.208E-6	1.072E-6	4.2375	0.0395	
heatingcoal9	1	0.9442	0.1889	24.9866	<.0001	
CONSTRUCTION	1	-0.2049	0.0577	12.6016	0.0004	
RENTAL	1	-0.7531	0.1813	17.2606	<.0001	

Groupfarmer2 (grouph==2)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq	
Intercept	1	264.8	166.6	2.5255	0.1120	
ROK	1	-0.1348	0.0837	2.5944	0.1072	
person	1	0.2159	0.0694	9.6786	0.0019	
heatingele9	1	3.1264	0.3368	86.1574	<.0001	
heatingcoal9	1	3.1739	0.3129	102.8973	<.0001	
czt	1	1.9605	0.2937	44.5618	<.0001	
p_gas	1	0.2287	0.1318	3.0107	0.0827	

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq	
Intercept	1	-444.3	134.4	10.9319	0.0009	
ROK	1	0.2237	0.0674	11.0026	0.0009	
INCOME	1	-3.22E-6	7.699E-7	17.5007	<.0001	
heatingcoal9	1	-1.5716	0.1570	100.2735	<.0001	
heatingcombi	1	-1.6138	0.6620	5.9428	0.0148	
college	1	0.3624	0.1849	3.8441	0.0499	
p_gas	1	-0.2030	0.0929	4.7721	0.0289	

bez college!!!

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq	
Intercept	1	-434.3	133.6	10.5670	0.0012	
ROK	1	0.2187	0.0670	10.6380	0.0011	
INCOME	1	-2.92E-6	7.396E-7	15.5628	<.0001	
heatingcoal9	1	-1.5871	0.1568	102.3840	<.0001	
heatingcombi	1	-1.4530	0.6502	4.9941	0.0254	
p_gas	1	-0.2012	0.0925	4.7263	0.0297	

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq	
Intercept	1		3.0885	0.4240	53.0492	<.0001
INCOME	1		-3.47E-6	1.194E-6	8.4707	0.0036
czt	1		-3.7351	0.2670	195.7150	<.0001

Alt.:

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq	
Intercept	1		-3.7126	7.0484	0.2774	0.5984
INCOME	1		-3.48E-6	1.206E-6	8.3205	0.0039
czt	1		-3.6768	0.2705	184.7319	<.0001
p_heat	1		0.0296	0.0293	1.0179	0.3130
p_gas	1		-0.3212	0.3284	0.9562	0.3281

groupduch1 (grouph==3)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq	
Intercept	1		-2.2422	0.3410	43.2480	<.0001
INCOME	1		-6.12E-6	3.06E-6	4.0030	0.0454
person	1		0.7187	0.2907	6.1135	0.0134
czt	1		2.0487	0.3596	32.4605	<.0001
heatingele9	1		3.3068	0.2791	140.3635	<.0001
heatingcoal9	1		2.9884	0.2155	192.3264	<.0001
heatingcombi	1		2.8334	0.6432	19.4070	<.0001

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq	
Intercept	1		0.5138	0.1852	7.6972	0.0055
INCOME	1		4.094E-6	2.279E-6	3.2278	0.0724
person	1		-0.6768	0.2116	10.2274	0.0014
czt	1		1.2121	0.4111	8.6932	0.00327

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq	
Intercept	1		-666.1	329.6	4.0831	0.0433
ROK	1		0.3357	0.1649	4.1460	0.0417
person	1		-1.3387	0.5718	5.4819	0.0192
czt	1		-2.9497	0.6065	23.6550	<.0001
CONSTRUCTION	1		-0.2796	0.1540	3.2955	0.0695
RENTAL	1		-1.2075	0.5237	5.3162	0.0211

groupduch2 (grouph==4)

zerogas

Standard	Wald	Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
		Intercept	1	-4.1470	0.5001	68.7613	<.0001
		INCOME	1	4.649E-6	1.61E-6	8.3354	0.0039
		heatingele9	1	3.6105	0.4005	81.2755	<.0001
		heatingcoal9	1	3.3625	0.4079	67.9427	<.0001
		czt	1	1.9269	0.3412	31.8939	<.0001
		CONSTRUCTION	1	0.2912	0.0714	16.6397	<.0001
		RENTAL	1	0.6033	0.1659	13.2307	0.0003

zerocoal

Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	1.4542	0.2579	31.8078	<.0001
person	1	-0.4389	0.1346	10.6253	0.0011
heatingcoal9	1	-1.8557	0.2283	66.0967	<.0001
CONSTRUCTION	1	0.1596	0.0521	9.3865	0.0022

zeroheat

Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
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Intercept	1	2.5993	0.4569	32.3617	<.0001
person	1	0.2950	0.2280	1.6744	0.1957
czt	1	-3.6509	0.2342	242.9626	<.0001
CONSTRUCTION	1	-0.3311	0.0886	13.9692	0.0002
RENTAL	1	-0.6451	0.2955	4.7673	0.0290
college	1	-1.0587	0.3859	7.5241	0.0061

groupduch3 (grouphh==5)

zerogas

Analysis of Maximum Likelihood Estimates

Parameter	Standard		Wald Error	Chi-Square	Pr > ChiSq
	DF	Estimate			
Intercept	1	-2.9995	0.4649	41.6319	<.0001
INCOME	1	-4E-6	9.039E-7	19.6174	<.0001
heatingele	1	2.3138	0.2236	107.1253	<.0001
heatingcoal	1	2.8454	0.2366	144.6497	<.0001
czt	1	1.0837	0.1728	39.3316	<.0001
CONSTRUCTION	1	0.2767	0.0377	53.8802	<.0001
RENTAL	1	0.3150	0.0776	16.4980	<.0001
college	1	-0.3402	0.1444	5.5491	0.0185
p_gas	1	0.0650	0.0449	2.0974	0.1476

zerocoal

Parameter	Standard		Wald Error	Chi-Square	Pr > ChiSq
	DF	Estimate			
Intercept	1	2.1592	0.1789	145.5867	<.0001
INCOME	1	-3.48E-6	1.477E-6	5.5328	0.0187
person	1	-0.4351	0.1506	8.3449	0.0039
CONSTRUCTION	1	0.0835	0.0370	5.0984	0.0239
Heatingcoal9	1	-1.7519	0.1730	102.5722	<.0001
RENTAL	1	0.2450	0.0923	7.0390	0.008

zeroheat

Parameter	Standard		Wald Error	Chi-Square	Pr > ChiSq
	DF	Estimate			
Intercept	1	-4.8981	4.9912	0.9631	0.3264
CONSTRUCTION	1	-0.1532	0.0740	4.2861	0.0384
czt	1	-3.9359	0.1812	471.8044	<.0001
RENTAL	1	-0.8839	0.1773	24.8441	<.0001
college	1	0.5047	0.2136	5.5811	0.0182
p_heat	1	0.0326	0.0215	2.2957	0.1297
p_gas	1	-0.3845	0.2433	2.4966	0.1141

GroupEA100small (grouphh==6)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	-1.8027	0.3157	32.6154	<.0001
heatingele9	1	2.1336	0.4002	28.4185	<.0001
heatingcoal9	1	3.3261	0.4254	61.1260	<.0001
college	1	1.8027	0.7017	6.6009	0.0102

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	0.9447	0.1586	35.4772	<.0001
heatingcoal9	1	-1.0784	0.2425	19.7801	<.0001

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	1.3288	0.1878	50.0879	<.0001
heatingcoal9	1	0.6993	0.4533	2.3800	0.1229

GroupEA1100small (grouphh==8)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	0.5643	0.2043	7.6286	0.0057
heatinggas9	1	-2.3013	0.2581	79.5300	<.0001
heatingcoal9	1	0.7706	0.2270	11.5193	0.0007
heatingele9	1	1.2491	0.3318	14.1738	0.0002
college	1	-0.7094	0.2262	9.8350	0.0017

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	0.7161	0.1715	17.4301	<.0001
INCOME	1	-1.2E-6	5.336E-7	5.0646	0.0244
heatinggas9	1	0.2814	0.1535	3.3601	0.0668
heatingcoal9	1	-0.9942	0.1492	44.3976	<.0001

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	2.1471	0.1419	228.8011	<.0001
czt	1	-3.5150	0.3191	121.3094	<.0001
RENTAL	1	-0.4408	0.3099	2.0230	0.1549

GroupEA200small (grouphh==10)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	-1.5518	0.1848	70.5433	<.0001
heatingcoal9	1	2.6124	0.2464	112.4191	<.0001
heatingele9	1	2.7615	0.2925	89.1367	<.0001

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	0.9968	0.2801	12.6675	0.0004
INCOME	1	-1.83E-6	9.649E-7	3.6054	0.0576
heatingcoal9	1	-1.4871	0.1890	61.8947	<.0001
RENTAL	1	0.4764	0.2961	2.5884	0.1076

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	0.6745	0.1265	28.4218	<.0001
heatingcoal9	1	-1.6419	0.2018	66.1917	<.0001
heatingele9	1	-0.3621	0.2161	2.8060	0.0939

GroupEA2200small (grouph==12)**zerogas**

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	-2.6531	0.2220	142.7902	<.0001
heatingcoal9	1	2.9916	0.1694	311.9724	<.0001
heatingele9	1	3.4911	0.2537	189.3797	<.0001
czt	1	1.9619	0.3167	38.3665	<.0001
CONSTRUCTION	1	0.2125	0.0393	29.1900	<.0001
RENTAL	1	0.3281	0.2715	1.4600	0.2269

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	0.9877	0.3110	10.0852	0.0015
INCOME	1	-2.22E-6	5.477E-7	16.4442	<.0001
person	1	0.1022	0.0695	2.1575	0.1419
heatingcoal9	1	-1.1522	0.0992	134.8822	<.0001
CONSTRUCTION	1	-0.0661	0.0258	6.5697	0.0104
college	1	0.1925	0.1485	1.6820	0.1947

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	-2.4127	0.8402	8.2465	0.0041
person	1	0.5060	0.2024	6.2507	0.0124
heatingcoal9	1	2.5384	0.3391	56.0445	<.0001
heatinggas9	1	2.7076	0.3530	58.8380	<.0001
heatingele9	1	2.3756	0.3994	35.3692	<.0001
CONSTRUCTION	1	0.1262	0.0722	3.0588	0.0803
RENTAL	1	-0.7955	0.2905	7.4999	0.0062

GroupEA100big (grouph==7)**zerogas**

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	-1.0744	0.1445	55.3132	<.0001
heatinggas9	1	-1.9748	0.2630	56.3642	<.0001
heatingcoal9	1	0.7406	0.1741	18.1064	<.0001
heatingele9	1	0.8767	0.1954	20.1243	<.0001
CONSTRUCTION	1	0.1850	0.0334	30.6797	<.0001
RENTAL	1	0.1586	0.0836	3.6017	0.0577

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	1.7718	0.2123	69.6336	<.0001
INCOME	1	-2.82E-6	9.555E-7	8.7163	0.0032
heatingcoal9	1	-1.1344	0.1867	36.9370	<.0001
CONSTRUCTION	1	0.0838	0.0407	4.2283	0.0398
RENTAL	1	0.3995	0.1306	9.3552	0.0022
college	1	-0.4081	0.1725	5.5951	0.0180

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	1.8297	0.1921	90.6826	<.0001
INCOME	1	-2.36E-6	1.024E-6	5.3086	0.0212
czt	1	-3.4342	0.1308	688.8530	<.0001
RENTAL	1	0.3662	0.1268	8.3413	0.0039

GroupEA1100big (grouph==9)**zerogas**

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	-1.4104	0.1137	153.8923	<.0001
heatinggas9	1	-1.1915	0.1169	103.8613	<.0001
heatingcoal9	1	1.6154	0.1245	168.3027	<.0001
heatingele9	1	1.8777	0.1473	162.4950	<.0001
CONSTRUCTION	1	0.1411	0.0251	31.5341	<.0001

zerocoal	RENTAL	1	0.2965	0.0693	18.2811	<.0001
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Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	1.1172	0.1097	103.7028	<.0001
INCOME	1	-1.66E-6	3.287E-7	25.5178	<.0001
heatingcoal9	1	-1.5703	0.1152	185.8632	<.0001
CONSTRUCTION	1	0.0704	0.0200	12.4639	0.0004
RENTAL	1	0.3617	0.0720	25.2666	<.0001
college	1	0.1326	0.0846	2.4566	0.1170

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	1.8526	0.0850	475.4452	<.0001
czt	1	-4.0571	0.1234	1080.5127	<.0001
RENTAL	1	-0.4215	0.1206	12.2097	0.0005

Alt.:

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	2.1822	0.2014	117.3904	<.0001
person	1	-0.1022	0.0554	3.4036	0.0651
czt	1	-4.0927	0.1270	1038.1062	<.0001
RENTAL	1	-0.4420	0.1221	13.1087	0.0003

GroupEA200big (grouphh==11)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	-0.9159	0.0598	234.2192	<.0001
heatinggas9	1	-1.6307	0.2142	57.9767	<.0001
heatingcoal9	1	1.5922	0.1472	116.9764	<.0001
heatingele9	1	1.1271	0.1451	60.3445	<.0001
RENTAL	1	0.2274	0.0952	5.7023	0.0169

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	1.2947	0.1304	98.5289	<.0001
INCOME	1	-1.57E-6	4.052E-7	14.9981	0.0001
heatingcoal9	1	-1.5712	0.1426	121.4773	<.0001
RENTAL	1	0.1290	0.0873	2.1815	0.1397

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	1.5297	0.0852	322.1824	<.0001
czt	1	-4.0922	0.1782	527.1595	<.0001
RENTAL	1	0.4208	0.1825	5.3185	0.0211

GroupEA2200big (grouphh==13)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	-1.1523	0.1000	132.8907	<.0001
heatinggas9	1	-1.8266	0.1721	112.6166	<.0001
heatingcoal9	1	1.4919	0.0979	232.1758	<.0001
heatingele9	1	1.6347	0.1112	216.0556	<.0001
CONSTRUCTION	1	0.0750	0.0217	11.9344	0.0006
RENTAL	1	0.2409	0.0640	14.1637	0.0002

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	1.2085	0.0787	235.9551	<.0001
INCOME	1	-1.23E-6	2.036E-7	36.5218	<.0001
heatingcoal9	1	-1.3130	0.0903	211.6495	<.0001
RENTAL	1	0.1650	0.0560	8.6800	0.0032

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	2.0804	0.1349	237.9792	<.0001
INCOME	1	-6.09E-7	3.197E-7	3.6291	0.0568
czt	1	-4.2756	0.1134	1421.5982	<.0001

***** data 1993-2004 *****

groupfarmer1 (grouph==1)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	560.5	68.4471	67.0560	<.0001
ROK	1	-0.2808	0.0344	66.7478	<.0001
plynwaterje	1	-2.3793	0.1813	172.1969	<.0001
heatingcoal7	1	0.2662	0.1050	6.4235	0.0113
heatingele7	1	1.1155	0.3015	13.6883	0.0002
heatingcombi	1	-1.2345	0.4087	9.1242	0.0025
RENTAL	1	0.3014	0.0939	10.2907	0.0013
p_gas	1	0.2250	0.0402	31.3862	<.0001

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	-0.6152	0.1218	25.5277	<.0001
heatingcoal7	1	-0.1569	0.0807	3.7863	0.0517
CONSTRUCTION	1	0.0403	0.0198	4.1629	0.0413
college	1	0.1815	0.0793	5.2348	0.0221
p_coal	1	0.00117	0.000172	46.4861	<.0001
p_gas	1	-0.1631	0.0246	43.9306	<.0001

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	120.0	35.3764	11.4967	0.0007
ROK	1	-0.0588	0.0177	11.0660	0.0009
czt	1	-2.2543	0.1352	277.8272	<.0001
RENTAL	1	-0.3049	0.1306	5.4524	0.0195
college	1	0.3295	0.2084	2.4993	0.113901

Alt.:

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	126.6	35.1756	12.9535	0.0003
ROK	1	-0.0622	0.0176	12.4880	0.0004
czt	1	-2.2528	0.1353	277.3619	<.0001
RENTAL	1	-0.3033	0.1305	5.3988	0.0202

Groupfarmer2 (grouph==2)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	744.2	80.2472	86.0067	<.0001
ROK	1	-0.3737	0.0403	85.9673	<.0001
heatingcoal7	1	0.5057	0.1515	11.1444	0.0008
RENTAL	1	-0.4950	0.0967	26.2125	<.0001
p_gas	1	0.4079	0.0480	72.1038	<.0001

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	-526.9	81.2776	42.0256	<.0001
ROK	1	0.2650	0.0408	42.1410	<.0001
heatingcoal7	1	-0.8315	0.1462	32.3441	<.0001
CONSTRUCTION	1	0.0545	0.0302	3.2570	0.0711
RENTAL	1	0.4963	0.1054	22.1895	<.0001
p_gas	1	-0.3726	0.0520	51.2639	<.0001

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	2.2906	0.1281	319.8335	<.0001
czt	1	-3.1022	0.1380	505.3400	<.0001
CONSTRUCTION	1	-0.0925	0.0305	9.2299	0.0024
RENTAL	1	-0.1354	0.1491	0.8249	0.3637

groupduch1 (grouph==3)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	478.4	105.1	20.7340	<.0001
ROK	1	-0.2397	0.0528	20.6486	<.0001

plynwaterje	1	-2.6734	0.4685	32.5655	<.0001
heatingcoal7	1	1.1526	0.1472	61.3222	<.0001
heatingele7	1	1.2465	0.2332	28.5792	<.0001
p_gas	1	0.1635	0.0593	7.6019	0.0058

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	0.2470	0.2391	1.0674	0.3015
person	1	-0.3660	0.0780	22.0462	<.0001
heatingcoal7	1	-0.9489	0.1043	82.8409	<.0001
RENTAL	1	0.3034	0.1608	3.5606	0.0592
p_gas	1	-0.1291	0.0356	13.1303	0.0003
p_coal	1	0.000994	0.000290	11.7321	0.0006

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	1.9085	0.00211	818304.684	<.0001
ROK	1	0.000063	1.056E-6	3528.9143	<.0001
person	1	0.0256	0.00129	391.8894	<.0001
czt	1	-6.6696	1.0726	38.6627	<.0001
RENTAL	1	-1.2689	0.00538	55664.3643	<.0001
college	1	0.1124	0.0116	94.3090	<.0001

groupduch2 (grouph==4)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	218.4	35.6184	37.6114	<.0001
ROK	1	-0.1099	0.0178	37.9055	<.0001
person	1	0.2904	0.0790	13.5093	0.0002
plynwaterje	1	-2.7548	0.4082	45.5520	<.0001
heatingcoal7	1	0.7329	0.1645	19.8533	<.0001
heatingele7	1	2.5380	0.4277	35.2183	<.0001
CONSTRUCTION	1	0.1387	0.0330	17.6263	<.0001
RENTAL	1	0.5235	0.0889	34.7059	<.0001

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	2.0251	0.2739	54.6770	<.0001
person	1	-0.6423	0.0891	51.9353	<.0001
heatingcoal7	1	-1.7876	0.1664	115.4355	<.0001
CONSTRUCTION	1	0.1055	0.0406	6.7500	0.0094
RENTAL	1	0.2804	0.1058	7.0248	0.0080
p_gas	1	-0.1087	0.0408	7.0761	0.0078
p_coal	1	0.000450	0.000316	2.0244	0.1548

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	82.1671	37.9618	4.6849	0.0304
ROK	1	-0.0404	0.0190	4.5181	0.0335
person	1	0.2716	0.1226	4.9048	0.0268
czt	1	-3.4554	0.1311	694.4061	<.0001
RENTAL	1	-0.1818	0.1470	1.5304	0.2161

groupduch3 (grouph==5)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	95.8893	22.7709	17.7329	<.0001
ROK	1	-0.0483	0.0114	17.9382	<.0001
person	1	-0.3086	0.0514	36.0924	<.0001
plynwaterje	1	-2.3672	0.3433	47.5342	<.0001
heatingcoal7	1	1.4986	0.1522	96.9784	<.0001
heatingele7	1	0.9180	0.1526	36.1962	<.0001
CONSTRUCTION	1	0.1306	0.0224	33.9499	<.0001
RENTAL	1	0.2415	0.0517	21.8459	<.0001

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	-131.8	70.1220	3.5313	0.0602
ROK	1	0.0674	0.0352	3.6689	0.0554
person	1	-0.6018	0.0618	94.9651	<.0001
heatingcoal7	1	-1.9587	0.1495	171.7059	<.0001
CONSTRUCTION	1	0.0509	0.0289	3.1035	0.0781

	RENTAL	1	0.3022	0.0636	22.5840	<.0001
	p_gas	1	-0.1354	0.0414	10.7133	0.0011
zeroheat						
	Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
	Intercept	1	98.9891	31.0729	10.1487	0.0014
	ROK	1	-0.0484	0.0155	9.7205	0.0018
	person	1	-0.0946	0.1025	0.8519	0.3560
	czt	1	-4.1969	0.1067	1547.7593	<.0001
	RENTAL	1	-0.4594	0.1065	18.6069	<.0001
<u>Alt.:</u>						
	Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
	Intercept	1	98.4689	31.0283	10.0712	0.0015
	ROK	1	-0.0483	0.0155	9.6726	0.0019
	czt	1	-4.1900	0.1060	1563.4181	<.0001
	RENTAL	1	-0.4537	0.1061	18.2728	<.0001

GroupEA1small (grouphh==6)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	490.2	82.7382	35.0960	<.0001
ROK	1	-0.2452	0.0414	35.0460	<.0001
heatingcoal7	1	1.4975	0.5437	7.5853	0.0059
heatingele7	1	0.4440	0.3220	1.9015	0.1679
CONSTRUCTION	1	0.2249	0.0708	10.0852	0.0015

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	-362.8	186.6	3.7808	0.0518
ROK	1	0.1825	0.0937	3.7910	0.0515
heatingcoal7	1	-0.3993	0.2725	2.1475	0.1428
RENTAL	1	-0.6227	0.2320	7.2020	0.0073
college	1	1.0609	0.5394	3.8684	0.0492
p_gas	1	-0.1930	0.1083	3.1788	0.0746

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	1.6033	0.1384	134.2324	<.0001
czt	1	-2.6350	0.5823	20.4801	<.0001
RENTAL	1	1.3125	0.6514	4.0593	0.043929

GroupEA11small (grouphh==8)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	564.8	107.8	27.4265	<.0001
ROK	1	-0.2831	0.0541	27.3378	<.0001
person	1	0.1038	0.0457	5.1690	0.0230
plynwaterje	1	-2.9915	0.3825	61.1580	<.0001
heatingcoal7	1	1.0333	0.1856	31.0053	<.0001
heatingele7	1	1.7030	0.4658	13.3643	0.0003
CONSTRUCTION	1	0.0573	0.0298	3.6964	0.0545
p_gas	1	0.1852	0.0635	8.4939	0.0036

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	0.0683	0.2345	0.0849	0.7708
INCOME	1	-1.28E-6	5.109E-7	6.3032	0.0121
heatingcoal7	1	-0.6157	0.1220	25.4466	<.0001
p_gas	1	-0.1292	0.0364	12.6039	0.0004
p_coal	1	0.000969	0.000315	9.4447	0.0021

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	1.6690	0.3016	30.6290	<.0001
person	1	0.1700	0.0929	3.3491	0.0672
czt	1	-3.0737	0.2106	212.9969	<.0001
RENTAL	1	-0.4041	0.2224	3.3019	0.0692

GroupEA2small (grouphh==10)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	747.4	122.3	37.3623	<.0001
ROK	1	-0.3749	0.0614	37.2806	<.0001
heatingcoal7	1	0.5114	0.2386	4.5950	0.0321
RENTAL	1	-0.4684	0.1563	8.9832	0.0027
p_gas	1	0.3355	0.0707	22.5191	<.0001

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	-344.9	112.3	9.4360	0.0021
ROK	1	0.1732	0.0564	9.4412	0.0021
heatingele7	1	0.9454	0.4291	4.8538	0.0276
CONSTRUCTION	1	-0.0857	0.0431	3.9504	0.0469
RENTAL	1	0.4106	0.1572	6.8258	0.0090
p_gas	1	-0.1789	0.0707	6.3934	0.0115

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
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Intercept	1	2.8899	0.3356	74.1409	<.0001
INCOME	1	-1.82E-6	1.007E-6	3.2527	0.0713
czt	1	-3.0362	0.3003	102.2024	<.0001
RENTAL	1	-0.6569	0.2986	4.8383	0.0278

GroupEA22small (grouph==12)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	806.9	79.8416	102.1294	<.0001
ROK	1	-0.4043	0.0401	101.7418	<.0001
person	1	-0.1421	0.0523	7.3840	0.0066
plynwaterje	1	-2.8138	0.3611	60.7040	<.0001
heatingcoal7	1	0.5452	0.1415	14.8342	0.0001
heatingele7	1	1.5944	0.4456	12.8041	0.0003
p_gas	1	0.3481	0.0466	55.8177	<.0001

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	-178.8	80.1141	4.9811	0.0256
ROK	1	0.0896	0.0403	4.9434	0.0262
INCOME	1	-1.26E-6	4.345E-7	8.4137	0.0037
person	1	0.0789	0.0470	2.8206	0.0931
heatingcoal7	1	-0.4804	0.1164	17.0305	<.0001
CONSTRUCTION	1	-0.0497	0.0208	5.6965	0.0170
RENTAL	1	0.1749	0.1137	2.3677	0.1239
college	1	0.1863	0.0990	3.5406	0.0599
p_gas	1	-0.1818	0.0413	19.3630	<.0001
p_coal	1	0.000874	0.000272	10.2876	0.0013

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	123.5	49.0183	6.3480	0.0118
ROK	1	-0.0606	0.0245	6.1137	0.0134
czt	1	-2.6935	0.1993	182.6482	<.0001
RENTAL	1	-0.3856	0.2011	3.6764	0.0552

GroupEA1big (grouph==7)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	138.0	21.8514	39.8630	<.0001
ROK	1	-0.0695	0.0109	40.3000	<.0001
heatingcoal7	1	0.8302	0.1652	25.2444	<.0001
heatingele7	1	1.0361	0.1659	38.9912	<.0001
CONSTRUCTION	1	0.1889	0.0192	97.2488	<.0001

zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	1.7409	0.2541	46.9546	<.0001
INCOME	1	-2.08E-6	7.244E-7	8.2273	0.0041
heatingcoal7	1	-1.3226	0.1808	53.4884	<.0001
RENTAL	1	0.1915	0.0884	4.6957	0.0302
college	1	-0.2570	0.1269	4.1015	0.0428
p_gas	1	-0.0954	0.0402	5.6238	0.0177
p_coal	1	0.000630	0.000341	3.4141	0.0646

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	1.6362	0.0940	302.7022	<.0001
czt	1	-3.6302	0.1000	1316.5933	<.0001
RENTAL	1	0.2734	0.0946	8.3475	0.0039
college	1	0.2297	0.1506	2.3269	0.1272

GroupEA11big (grouph==9)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	181.8	45.9133	15.6743	<.0001
ROK	1	-0.0917	0.0231	15.7982	<.0001
person	1	0.0327	0.0203	2.5769	0.1084
plynwaterje	1	-1.2581	0.1086	134.1146	<.0001

	heatinggas7	1	-1.0580	0.1896	31.1485	<.0001
	p_gas	1	0.1028	0.0270	14.5072	0.0001
zerocoal						
	Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
	Intercept	1	1.7988	0.0783	528.2825	<.0001
	INCOME	1	-1.19E-6	2.83E-7	17.7327	<.0001
	heatingcoal7	1	-1.3976	0.1249	125.1202	<.0001
	RENTAL	1	0.4072	0.0530	59.1246	<.0001
	college	1	0.1488	0.0645	5.3240	0.0210
	p_gas	1	-0.0693	0.00941	54.1719	<.0001
zeroheat						
	Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
	Intercept	1	2.0578	0.0770	713.9527	<.0001
	czt	1	-3.9485	0.0816	2343.6522	<.0001
	CONSTRUCTION	1	-0.0841	0.0202	17.2941	<.0001
	RENTAL	1	-0.3865	0.0846	20.8579	<.0001

GroupEA2big (grouph==11)

zerogas						
	Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
	Intercept	1	247.5	60.4071	16.7858	<.0001
	ROK	1	-0.1247	0.0303	16.8993	<.0001
	plynwaterje	1	-2.1268	0.2577	68.0859	<.0001
	heatingcoal7	1	1.2842	0.1606	63.9107	<.0001
	heatingele7	1	1.1109	0.1634	46.2076	<.0001
	heatingcombi	1	2.3620	0.9061	6.7956	0.0091
	CONSTRUCTION	1	-0.0449	0.0228	3.8752	0.0490
	p_gas	1	0.1650	0.0373	19.5308	<.0001
zerocoal						
	Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
	Intercept	1	1.2917	0.1541	70.2826	<.0001
	INCOME	1	-1.62E-6	3.417E-7	22.3373	<.0001
	heatingcoal7	1	-1.1725	0.1487	62.2074	<.0001
	RENTAL	1	0.1527	0.0607	6.3249	0.0119
	college	1	0.3172	0.0834	14.4583	0.0001
	p_gas	1	-0.1237	0.0243	25.8940	<.0001
	p_coal	1	0.000612	0.000207	8.7150	0.0032
zeroheat						
	Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
	Intercept	1	2.0002	0.1458	188.2835	<.0001
	INCOME	1	-1.4E-6	5.272E-7	7.0759	0.0078
	czt	1	-4.1389	0.1162	1268.7741	<.0001
	RENTAL	1	0.2678	0.1190	5.0628	0.0244
	college	1	0.2953	0.1416	4.3470	0.0371

GroupEA22big (grouph==13)

zerogas						
	Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
	Intercept	1	257.8	36.4648	49.9928	<.0001
	ROK	1	-0.1298	0.0183	50.2431	<.0001
	plynwaterje	1	-1.6015	0.1091	215.5652	<.0001
	heatingcoal7	1	1.0877	0.1169	86.5236	<.0001
	heatingele7	1	1.4290	0.1293	122.2078	<.0001
	heatingcombi	1	1.4626	0.4824	9.1916	0.0024
	RENTAL	1	-0.2045	0.0363	31.7247	<.0001
	p_gas	1	0.1447	0.0213	46.1249	<.0001
zerocoal						
	Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
	Intercept	1	1.5420	0.1057	212.7393	<.0001
	INCOME	1	-1.02E-6	1.753E-7	33.5399	<.0001
	heatingcoal7	1	-1.3168	0.1165	127.7139	<.0001
	CONSTRUCTION	1	-0.0316	0.0125	6.4195	0.0113
	RENTAL	1	0.3356	0.0408	67.6218	<.0001
	college	1	0.1357	0.0440	9.5181	0.0020
	p_gas	1	-0.1151	0.0164	49.0916	<.0001
	p_coal	1	0.000374	0.000135	7.6644	0.0056

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	1.6768	0.1997	70.4949	<.0001
person	1	0.1231	0.0516	5.6914	0.0170
czt	1	-4.0694	0.0669	3704.7534	<.0001
CONSTRUCTION	1	-0.0936	0.0163	32.9563	<.0001
RENTAL	1	-0.2002	0.0731	7.5031	0.0062

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Data00

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	220.0	24.7224	79.1996	<.0001
ROK	1	-0.1115	0.0124	80.7152	<.0001
person	1	0.0545	0.0118	21.3860	<.0001
INCOME	1	-7.81E-7	1.246E-7	39.2542	<.0001
plynwaterje	1	-1.8149	0.0843	464.0208	<.0001
heatingcoal7	1	1.2365	0.0650	362.1872	<.0001
heatingele7	1	1.4277	0.0735	376.9401	<.0001
heatingcombi	1	0.7631	0.1582	23.2627	<.0001
CONSTRUCTION	1	0.0910	0.00799	129.5690	<.0001
RENTAL	1	-0.1050	0.0268	15.3016	<.0001
p_gas	1	0.2690	0.0189	201.7789	<.0001

Zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	28.8224	16.7085	2.9757	0.0845
ROK	1	-0.0139	0.00835	2.7600	0.0966
INCOME	1	-1.23E-6	1.18E-7	108.0729	<.0001
person	1	-0.0979	0.0114	73.1964	<.0001
heatingcoal7	1	-1.1138	0.0618	324.7383	<.0001
CONSTRUCTION	1	0.0323	0.00751	18.4873	<.0001
RENTAL	1	0.4531	0.0285	252.6581	<.0001
college	1	0.1585	0.0338	21.9548	<.0001

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	-72.0688	32.4691	4.9267	0.0264
ROK	1	0.0371	0.0162	5.2174	0.0224
INCOME	1	-8.05E-7	2.022E-7	15.8482	<.0001
person	1	0.0353	0.0220	2.5706	0.1089
czt	1	-3.9691	0.0502	6260.1566	<.0001
CONSTRUCTION	1	-0.0284	0.0150	3.5652	0.0590
RENTAL	1	-0.2470	0.0535	21.3197	<.0001
college	1	0.1111	0.0655	2.8755	0.0899

Data(1993-2004)

zerogas

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	226.7	17.6352	165.2370	<.0001
ROK	1	-0.1139	0.00886	165.4383	<.0001
person	1	0.0686	0.00772	78.9070	<.0001
INCOME	1	-9.3E-7	9.768E-8	90.5844	<.0001
plynwaterje	1	-2.0677	0.0596	1204.9297	<.0001
heatingcoal7	1	1.1580	0.0389	887.3132	<.0001
heatingele7	1	1.2416	0.0527	555.3706	<.0001
heatingcombi	1	0.6442	0.1463	19.3995	<.0001
CONSTRUCTION	1	0.0176	0.00609	8.3248	0.0039
RENTAL	1	-0.2827	0.0173	268.4052	<.0001
p_gas	1	0.1029	0.0107	92.7108	<.0001

Zerocoal

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	-99.6217	20.8405	22.8502	<.0001
ROK	1	0.0505	0.0105	23.2755	<.0001
INCOME	1	-1.03E-6	9.557E-8	116.8541	<.0001
person	1	-0.0779	0.00789	97.5944	<.0001
heatingcoal7	1	-1.1973	0.0350	1170.6292	<.0001
RENTAL	1	0.5062	0.0194	682.8938	<.0001
college	1	0.2250	0.0239	88.3744	<.0001
p_gas	1	-0.1420	0.0105	183.7949	<.0001
p_coal	1	0.000488	0.000070	48.7097	<.0001

zeroheat

Parameter	DF	Estimate	Error	Chi-Square	Pr > ChiSq
Intercept	1	2.0533	0.0423	2353.4059	<.0001
person	1	0.0879	0.0135	42.4874	<.0001
INCOME	1	-7.42E-7	1.469E-7	25.5231	<.0001
czt	1	-3.7855	0.0297	16275.5159	<.0001
CONSTRUCTION	1	-0.0746	0.00791	88.9754	<.0001
RENTAL	1	-0.1681	0.0319	27.7883	<.0001
/// college	1	0.0318	0.0402	0.6278	0.4282 ///