

Part 2. Analyzing Environmental Policies with IGEM

Appendix F. Supplementary details for consumption model estimation reported in Chapter 2, section 2.1.

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Table F1. Parameter estimates of wage equation
Table A1

Parameter Estimates of Wage Equation		
Variable	Estimate	SE
CONST	-0.3477	0.641
AGE	0.07420	0.0205
AGESQ	-0.0007403	0.000269
EDUC	0.04125	0.0101
EDUCSQ	0.000909	0.000294
FEM*AGE	-0.02328	0.003922
FEM*AGESQ	0.000209	0.000048
FEM*EDUC	-0.01183	0.0140
FEM*EDUCSQ	0.000927	0.00041
NW*AGE	-0.01285	0.00686
NW*AGESQ	0.000141	0.000069
NW*EDUC	-0.01215	0.0100
NW*EDUCSQ	0.000568	0.000369
MAR	0.08445	0.0056
NW	0.24560	0.220
FEM	0.29304	0.143
INVMILLS	-0.05205	0.238

Table F2. Parameter estimates – Rank 2 Model

Table A2
Parameter Estimates-- Rank 2 Model

Variable	Nondurables		Capital Services	
	Estimate	SE	Estimate	SE
CONST	-0.52049	0.00291	-0.31602	0.00447
PNON	-0.03492	0.00207	-0.00375	0.00179
PCAP	-0.00375	0.00179	0.02172	0.00313
PSERV	0.04462	0.00139	-0.03118	0.00172
WAGE	-0.04274	0.00326	0.00143	0.00410
FULLC	0.03680	0.00029	0.01178	0.00044
CHILD	-0.01418	0.00029	-0.00132	0.00046
CHILDSQ	0.00140	0.00007	0.00048	0.00012
ADULT	0.00494	0.00066	0.03726	0.00088
ADULTSQ	-0.00071	0.00012	-0.00345	0.00015
REGMW	0.00008	0.00051	0.00270	0.00080
REGS	-0.00279	0.00054	0.00145	0.00085
REGW	0.00067	0.00045	-0.00875	0.00062
NONWHITE	0.01261	0.00041	0.01649	0.00060
FEMALE	0.01014	0.00034	0.00296	0.00051
RURAL	-0.00777	0.00054	0.02553	0.00085

Variable	Consumer Services		Leisure	
	Estimate	SE	Estimate	SE
CONST	-0.4575	0.00336	-0.11773	0.00697
PNON	0.04462	0.00139	-0.04274	0.00697
PCAP	-0.03118	0.00177	0.00143	0.00410
PSERV	-0.02890	0.00191	0.01993	0.00298
WAGE	0.01994	0.00298	0.06549	0.00757
FULLC	-0.00447	0.00033	-0.04411	0.00068
CHILD	-0.00051	0.00038	0.01602	0.00071
CHILDSQ	0.00047	0.00010	-0.00235	0.00018
ADULT	0.01775	0.00083	-0.05995	0.00122
ADULTSQ	-0.00143	0.00016	0.00559	0.00019
REGMW	-0.00974	0.00056	0.00695	0.00124
REGS	-0.01545	0.00059	0.01679	0.00112
REGW	-0.00115	0.00050	0.00923	0.00102
NONWHITE	0.01163	0.00049	-0.04074	0.00096
FEMALE	-0.00735	0.00038	-0.00575	0.00081
RURAL	-0.00943	0.00057	-0.00834	0.00129

Table F3. Parameter estimates – rank 3 model

Table A3
Parameter Estimates-- Rank 3 Model
(A0=-10.198 (SE=0.949))

Variable	Nondurables		Capital Services	
	Estimate	SE	Estimate	SE
CONST	-0.65556	0.13098	-0.44450	0.12432
PNON	-0.03876	0.00343	-0.00651	0.00342
PCAP	-0.00651	0.00342	0.01920	0.00441
PSERV	0.04260	0.00224	-0.03275	0.00249
WAGE	-0.04721	0.00633	-0.00416	0.00600
FULLC	0.04988	0.01286	0.02423	0.01220
FULLCSQ	-0.00680	0.00021	-0.00645	0.00033
CHILD	-0.01425	0.00028	-0.00140	0.00046
CHILDSQ	0.00139	0.00007	0.00048	0.00012
ADULT	0.00267	0.00068	0.03505	0.00089
ADULTSQ	-0.00021	0.00012	-0.00297	0.00015
REGMW	-0.00009	0.00051	0.00267	0.00080
REGS	-0.00276	0.00053	0.00148	0.00085
REGW	0.00068	0.00045	-0.00871	0.00061
NONWHITE	0.01239	0.00041	0.01628	0.00060
FEMALE	0.01042	0.00034	0.00322	0.00051
RURAL	-0.00801	0.00054	0.02526	0.00085

Variable	Consumer Services		Leisure	
	Estimate	SE	Estimate	SE
CONST	-0.12528	0.07720	0.22535	0.332
PNON	0.04260	0.00224	-0.04721	0.00633
PCAP	-0.03275	0.00249	-0.00416	0.00600
PSERV	-0.02994	0.00215	0.01687	0.00427
WAGE	0.01687	0.00427	0.11185	0.04612
FULLC	0.00323	0.00758	-0.07734	0.03261
FULLCSQ	-0.00399	0.00026	0.01724	0.00051
CHILD	-0.00056	0.00038	0.01620	0.00071
CHILDSQ	0.00047	0.00010	-0.00235	0.00018
ADULT	0.01641	0.00084	-0.05412	0.00132
ADULTSQ	-0.00113	0.00017	0.00431	0.00022
REGMW	-0.00979	0.00055	0.00721	0.00124
REGS	-0.01542	0.00059	0.01670	0.00119
REGW	-0.00114	0.00050	0.00917	0.00102
NONWHITE	0.01150	0.00049	-0.04017	0.00096
FEMALE	-0.00718	0.00038	-0.00646	0.00081
RURAL	-0.00959	0.00057	-0.00766	0.00130