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## APPENDIX A: DEMAND ESTIMATES FOR WHITE HOUSEHOLDS BY LIFE CYCLE

The following tables present estimates of the demand equations developed in Chapter 4 for each of sixteen life-cycle classes. Definitions of independent and dependent variables are given in the text on pages 97 and 98.

TABLE A.1  
PROBABILITY OF OWNERSHIP

$Q_1 = \beta_0 + \beta_1 \ln Y + \beta_2 \ln (POWN/PRENT)$		
Life-Cycle Class	Income $\beta_1$	Incremental Price of Owning $\beta_2$
Single, alone	.762 <sup>a</sup>	-.372 <sup>b</sup>
Single, with others	.582	-.889 <sup>a</sup>
Separated, no children	.175 <sup>a</sup>	-.721 <sup>a</sup>
Separated, children	.545 <sup>a</sup>	-.564 <sup>b</sup>
Married, head <30, no children	1.189 <sup>a</sup>	-1.257 <sup>a</sup>
Married, head <30, 1 child	.848 <sup>a</sup>	-.606 <sup>a</sup>
Married, head <30, 2+ children	.701 <sup>a</sup>	-.501 <sup>a</sup>
Married, head 30-39, no children	.487 <sup>a</sup>	-.517 <sup>a</sup>
Married, head 30-39, 1 child	.396 <sup>a</sup>	-.462 <sup>a</sup>
Married, head 30-39, 2+ children	.232 <sup>a</sup>	-.209 <sup>a</sup>
Married, head 40-49, no children	.158 <sup>a</sup>	-.103 <sup>a</sup>
Married, head 40-49, 1 child	.117 <sup>a</sup>	-.109 <sup>a</sup>
Married, head 40-49, 2+ children	.114 <sup>a</sup>	-.082
Married, head 50+, no children	.147 <sup>a</sup>	-.240 <sup>a</sup>
Married, head 50+, 1 child	.060 <sup>a</sup>	-.105 <sup>a</sup>
Married, head 50+, 2+ children	.132 <sup>a</sup>	-.055

<sup>a</sup> Significant at .05 level.

<sup>b</sup> *t*-ratio greater than one.

TABLE A.2  
DWELLING-UNIT SIZE, OWNERS (ROOMS)

$Q_2 = \beta_0 Y^{\beta_1} P R^{\beta_2}$		
Life-Cycle Class	Income $\beta_1$	Price $\beta_2$
Single, alone	.0425	-.1204
Single, with others	.0761 <sup>a</sup>	-.2404
Separated, no children	.0864 <sup>a</sup>	-.0878 <sup>b</sup>
Separated, children	.0423 <sup>a</sup>	-.1104
Married, head < 30, no children	.1026 <sup>a</sup>	-.1292 <sup>a</sup>
Married, head < 30, 1 child	.0761 <sup>a</sup>	-.1305 <sup>b</sup>
Married, head < 30, 2+ children	.1001 <sup>a</sup>	-.1104 <sup>a</sup>
Married, head 30-39, no children	.0628 <sup>a</sup>	-.1192 <sup>b</sup>
Married, head 30-39, 1 child	.1193 <sup>a</sup>	-.1084 <sup>b</sup>
Married, head 40-39, 2+ children	.1653 <sup>a</sup>	-.1205 <sup>a</sup>
Married, head 40-49, no children	.1436 <sup>a</sup>	-.1405 <sup>b</sup>
Married, head 40-49, 1 child	.1365 <sup>a</sup>	-.1332 <sup>b</sup>
Married, head 40-49, 2+ children	.1838 <sup>a</sup>	-.1102 <sup>a</sup>
Married, head 50+, no children	.1682 <sup>a</sup>	-.1502 <sup>b</sup>
Married, head 50+, 1 child	.1567 <sup>a</sup>	-.1002 <sup>a</sup>
Married, head 50+, 2+ children	.2571 <sup>a</sup>	-.0905 <sup>b</sup>

<sup>a</sup>Significant at .05 level.

<sup>b</sup>*t*-ratio greater than one.

TABLE A.3  
STRUCTURE AGE, OWNERS (YEARS)

Life-Cycle Class	$Q_3 = \beta_0 Y^{\beta_1} P^{\beta_2} (PA_1)^{\beta_3} (PI_1)^{\beta_4}$			
	Income $\beta_1$	Price of Standard Bundle $\beta_2$	Incremental Price of Newer Unit $\beta_3$	Incremental Price of Larger Lot $\beta_4$
Single, alone	-.3519 <sup>a</sup>	.4816 <sup>a</sup>	1.1301	-.7532
Single, with others	-.3460 <sup>a</sup>	.3912 <sup>b</sup>	.8224	2.1288 <sup>a</sup>
Separated, no children	-.1306 <sup>a</sup>	.2475 <sup>a</sup>	.7588 <sup>b</sup>	.0207
Separated, children	-.0507	.6981	.6689	2.3505 <sup>a</sup>
Married, head < 30, no children	-.0594	.0521	.6423	.2663
Married, head < 30, 1 child	-.0704	.2182 <sup>b</sup>	2.4750 <sup>a</sup>	.6887
Married, head < 30, 2+ children	-.2828 <sup>a</sup>	.2387 <sup>b</sup>	.1499	1.9788 <sup>a</sup>
Married, head 30-39, no children	-.3062 <sup>a</sup>	.4914 <sup>a</sup>	-.2137	.0340
Married, head 30-39, 1 child	-.1720 <sup>a</sup>	.2701 <sup>a</sup>	1.4390 <sup>a</sup>	.8792 <sup>a</sup>
Married, head 30-39, 2+ children	-.2200 <sup>a</sup>	.4168 <sup>a</sup>	.7198 <sup>a</sup>	.3250 <sup>b</sup>
Married, head 40-49, no children	-.1668 <sup>a</sup>	.2319 <sup>a</sup>	1.4154 <sup>a</sup>	.5655 <sup>b</sup>
Married, head 40-49, 1 child	-.1734 <sup>a</sup>	.0998 <sup>b</sup>	1.4501 <sup>a</sup>	.8758 <sup>b</sup>
Married, head 40-49, 2+ children	-.1842 <sup>a</sup>	.2804 <sup>a</sup>	1.5451 <sup>a</sup>	1.2378 <sup>a</sup>
Married, head 50+, no children	-.2039 <sup>a</sup>	.2516 <sup>a</sup>	1.0868 <sup>a</sup>	.2814 <sup>b</sup>
Married, head 50+, 1 child	-.1899 <sup>a</sup>	.2369 <sup>b</sup>	.5508	.8358 <sup>b</sup>
Married, head 50+, 2+ children	-.0549	.4746 <sup>a</sup>	.2616	-.6985

<sup>a</sup>Significant at .05 level.

<sup>b</sup>t-ratio greater than one.

TABLE A.4  
PROBABILITY STRUCTURE AGE POST-1940, OWNERS

$$Q_4 = \beta_0 + \beta_1 \ln Y + \beta_2 \ln P + \beta_3 \ln (PA_2) + \beta_4 \ln (PL_1)$$

Life-Cycle Class	Income $\beta_1$	Price of Standard Bundle $\beta_2$	Incremental Price of Newer Unit $\beta_3$	Incremental Price of Larger Lot $\beta_4$
Single, alone	.2487 <sup>a</sup>	-.2828 <sup>a</sup>	-1.4831 <sup>a</sup>	-.2223
Single, with others	.1187 <sup>b</sup>	-.2394 <sup>b</sup>	-.6624 <sup>b</sup>	-.9815 <sup>b</sup>
Separated, no children	.0516 <sup>b</sup>	-.1927 <sup>a</sup>	-.3846 <sup>b</sup>	.1732
Separated, children	-.0048	-.4038 <sup>a</sup>	-.7916 <sup>b</sup>	-1.6446 <sup>a</sup>
Married, head < 30, no children	-.0249	-.2315 <sup>a</sup>	.2022	-.1476
Married, head < 30, 1 child	.0227	-.0562 <sup>b</sup>	-.1107	-.3442 <sup>b</sup>
Married, head < 30, 2+ children	.0146	-.0369 <sup>b</sup>	-.3820 <sup>b</sup>	-.6481 <sup>a</sup>
Married, head 30-39, no children	-.0007	-.1302 <sup>b</sup>	-.3505 <sup>b</sup>	-.0854
Married, head 30-39, 1 child	-.0300 <sup>b</sup>	-.1422 <sup>a</sup>	-.4745 <sup>b</sup>	-.3091 <sup>b</sup>
Married, head 30-39, 2+ children	-.0002	-.1559 <sup>a</sup>	-.1868 <sup>b</sup>	-.2696 <sup>a</sup>
Married, head 40-49, no children	.0306 <sup>b</sup>	-.1533 <sup>a</sup>	-.3285 <sup>a</sup>	-.2092 <sup>b</sup>
Married, head 40-49, 1 child	.0332 <sup>b</sup>	-.0712 <sup>b</sup>	-.6114 <sup>a</sup>	-.2809 <sup>b</sup>
Married, head 40-49, 2+ children	.0122	-.1268 <sup>a</sup>	-.3412 <sup>a</sup>	-.1069
Married, head 50+, no children	.0746 <sup>a</sup>	-.1667 <sup>a</sup>	-.5097 <sup>a</sup>	-.2717 <sup>b</sup>
Married, head 50+, 1 child	.0510 <sup>b</sup>	-.1108 <sup>b</sup>	-.5553 <sup>b</sup>	-.7322 <sup>a</sup>
Married, head 50+, 2+ children	-.0063	-.1979 <sup>a</sup>	.0405	-.4463 <sup>b</sup>

<sup>a</sup>Significant at .05 level.

<sup>b</sup>t-ratio greater than one.

TABLE A.5  
PROBABILITY STRUCTURE AGE POST-1960, OWNERS

$Q_5 = \beta_0 + \beta_1 \ln Y + \beta_2 \ln P + \beta_3 \ln (PA_1) + \beta_4 \ln (PL_1)$				
Life-Cycle Class	Income $\beta_1$	Price of Standard Bundle $\beta_2$	Incremental Price of Newer Unit $\beta_3$	Incremental Price of Larger Lot $\beta_4$
Single, alone	.0900 <sup>a</sup>	-.1265 <sup>b</sup>	-.3589 <sup>b</sup>	.4254 <sup>b</sup>
Single, with others	.0887 <sup>b</sup>	-.0774	-.7425 <sup>b</sup>	-.5953 <sup>b</sup>
Separated, no children	.0447 <sup>a</sup>	.0018	-.1632	.1213
Separated, children	.0078	-.1779 <sup>a</sup>	-.2394	-.2689
Married, head < 30, no children	-.0348	.1180	-.2846	.0560
Married, head < 30, 1 child	-.0208	-.1058 <sup>b</sup>	-1.3403 <sup>a</sup>	-.2913
Married, head < 30, 2+ children	.1648 <sup>a</sup>	-.0098 <sup>b</sup>	-.0051	-.7810 <sup>a</sup>
Married, head 30-39, no children	.1566 <sup>a</sup>	-.1638 <sup>b</sup>	.0699	.3139
Married, head 30-39, 1 child	.0544 <sup>a</sup>	-.0808 <sup>b</sup>	-.4144 <sup>b</sup>	-.3992 <sup>b</sup>
Married, head 30-39, 2+ children	.1376 <sup>a</sup>	-.1520 <sup>a</sup>	-.2650 <sup>b</sup>	-.0606
Married, head 40-49, no children	.0486 <sup>a</sup>	-.0322	-.5069 <sup>a</sup>	-.2228
Married, head 40-49, 1 child	.0630 <sup>a</sup>	-.0005	-.7175 <sup>a</sup>	-.3706 <sup>b</sup>
Married, head 40-49, 2+ children	.0997 <sup>a</sup>	-.1046 <sup>a</sup>	-.5461 <sup>a</sup>	-.6757 <sup>a</sup>
Married, head 50+, no children	.0591 <sup>a</sup>	-.0601 <sup>a</sup>	-.3090 <sup>a</sup>	.0345
Married, head 50+, 1 child	.0580 <sup>b</sup>	-.0693	-.2096	.0994
Married, head 50+, 2+ children	.0299	-.1674 <sup>a</sup>	.0207	.8253 <sup>b</sup>

<sup>a</sup>Significant at .05 level.

<sup>b</sup>*t*-ratio greater than one.

TABLE A.6  
LOT SIZE, OWNERS (ACRES)

$$Q_6 = \beta_0 Y^{\beta_1} P^{\beta_2} (PA_1)^{\beta_3} (PL_1)^{\beta_4}$$

Life-Cycle Class	Income $\beta_1$	Price of Standard Bundle $\beta_2$	Incremental Price of Newer Unit $\beta_3$	Incremental Price of Larger Lot $\beta_4$
Single, alone	.2015 <sup>a</sup>	-.2642 <sup>b</sup>	-1.1544 <sup>b</sup>	-1.0201 <sup>b</sup>
Single, with others	.3092 <sup>a</sup>	-.8147 <sup>a</sup>	-1.1602 <sup>b</sup>	-1.3822 <sup>b</sup>
Separated, no children	.1330 <sup>a</sup>	-.3759 <sup>a</sup>	-1.4323 <sup>a</sup>	-1.8074 <sup>a</sup>
Separated, children	.0522	-.2619 <sup>a</sup>	-.5140	-2.1977 <sup>a</sup>
Married, head < 30, no children	.2640 <sup>a</sup>	-.3782	1.1189 <sup>b</sup>	-2.9636 <sup>a</sup>
Married, head < 30, 1 child	-.0149	-.1905 <sup>b</sup>	.1432	-.5538 <sup>b</sup>
Married, head < 30, 2+ children	.1387 <sup>a</sup>	-.1178 <sup>b</sup>	-.2650	-1.2323 <sup>a</sup>
Married, head 30-39, no children	.1353 <sup>b</sup>	-.2117 <sup>b</sup>	.6107	-.5282
Married, head 30-39, 1 child	.3448 <sup>a</sup>	-.1820 <sup>a</sup>	-.4574 <sup>b</sup>	-1.072 <sup>a</sup>
Married, head 30-39, 2+ children	.2939 <sup>a</sup>	-.1002 <sup>a</sup>	-.2134 <sup>b</sup>	-.5316 <sup>a</sup>
Married, head 40-49, no children	.3070 <sup>a</sup>	-.2255 <sup>a</sup>	-.3810 <sup>b</sup>	-.4046 <sup>b</sup>
Married, head 40-49, 1 child	.3541 <sup>a</sup>	-.1789 <sup>a</sup>	-.0004	-1.0684 <sup>a</sup>
Married, head 40-49, 2+ children	.4022 <sup>a</sup>	-.0702 <sup>b</sup>	-.5196 <sup>b</sup>	-1.4017 <sup>a</sup>
Married, head 50+, no children	.3162 <sup>a</sup>	-.2149 <sup>a</sup>	-.7225 <sup>a</sup>	-1.2361 <sup>a</sup>
Married, head 50+, 1 child	.4511 <sup>a</sup>	-.3507 <sup>a</sup>	.1464	-1.3716 <sup>a</sup>
Married, head 50+, 2+ children	.4643 <sup>a</sup>	-.4717 <sup>a</sup>	-.5492 <sup>b</sup>	.7035

<sup>a</sup>Significant at .05 level.

<sup>b</sup>*t*-ratio greater than one.

TABLE A.7  
PROBABILITY LOT SIZE LESS THAN .2 ACRE, OWNERS

$$Q_7 = \beta_0 + \beta_1 \ln Y + \beta_2 \ln P + \beta_3 \ln (PL_1) + \beta_4 \ln (PA_1)$$

Life-Cycle Class	Income $\beta_1$	Price of Standard Bundle $\beta_2$	Incremental Price of Larger Lot $\beta_3$	Incremental Price of Newer Unit $\beta_4$
Single, alone	-.0321	.2090 <sup>b</sup>	1.5755 <sup>b</sup>	.4902
Single, with others	-.0826 <sup>b</sup>	.3248 <sup>a</sup>	2.1414 <sup>a</sup>	-.6605
Separated, no children	-.0324 <sup>b</sup>	.3242 <sup>a</sup>	.5793 <sup>a</sup>	.3832 <sup>a</sup>
Separated, children	-.0639 <sup>b</sup>	.2162 <sup>a</sup>	.1850	.1568
Married, head < 30, no children	-.0967 <sup>b</sup>	.1443 <sup>b</sup>	.1590	-.1884
Married, head < 30, 1 child	.0401	.2189 <sup>a</sup>	.2379	-.1257
Married, head < 30, 2+ children	-.0352 <sup>b</sup>	.0811 <sup>a</sup>	.4030 <sup>a</sup>	.0443
Married, head 30-39, no children	.0083	.0143	.7402 <sup>a</sup>	-.1019
Married, head 30-39, 1 child	-.0611 <sup>a</sup>	.1525 <sup>a</sup>	.2310 <sup>b</sup>	.2383 <sup>b</sup>
Married, head 30-39, 2+ children	-.0482 <sup>a</sup>	.1208 <sup>a</sup>	.0764	.2409 <sup>a</sup>
Married, head 40-49, no children	-.0576 <sup>a</sup>	.1846 <sup>a</sup>	-.1110	.1643
Married, head 40-49, 1 child	-.0490 <sup>a</sup>	.0617 <sup>b</sup>	.1877	.1009
Married, head 40-49, 2+ children	-.0575 <sup>a</sup>	.0988	.2912 <sup>a</sup>	
Married, head 50+, no children	-.0585 <sup>a</sup>	.1804 <sup>a</sup>	.4124 <sup>a</sup>	.2881 <sup>a</sup>
Married, head 50+, 1 child	-.1001 <sup>a</sup>	.2937 <sup>a</sup>	.4175 <sup>b</sup>	-.2422
Married, head 50+, 2+ children	-.0840 <sup>a</sup>	.2647 <sup>a</sup>	.5009 <sup>b</sup>	.2217

<sup>a</sup> Significant at .05 level.

<sup>b</sup> *t*-ratio greater than one.

TABLE A.8  
PROBABILITY LOT SIZE GREATER THAN .3 ACRE, OWNERS

$$Q_8 = \beta_0 + \beta_1 \ln Y + \beta_2 \ln P + \beta_3 \ln (PL_2) + \beta_4 \ln (PA_1)$$

Life-Cycle Class	Income $\beta_1$	Price of Standard Bundle $\beta_2$	Incremental Price of Larger Lot $\beta_3$	Incremental Price of Newer Unit $\beta_4$
Single, alone	.1012	-.0861	-.2221	-.4841
Single, with others	.0739 <sup>b</sup>	-.0820	-.4434	-.1617
Separated; no children	-.0010	-.0384	-.3644 <sup>b</sup>	-.2642
Separated, children	.2137 <sup>a</sup>	-.0080	-.7892 <sup>a</sup>	-1.1214 <sup>a</sup>
Married, head < 30, no children	.2066 <sup>a</sup>	-.3863 <sup>a</sup>	.1188	1.1345
Married, head < 30, 1 child	.0853 <sup>b</sup>	-.1337 <sup>b</sup>	.0481	.1672
Married, head < 30, 2+ children	.0126	-.0969 <sup>b</sup>	-.6192 <sup>a</sup>	-.0223
Married, head 30-39, no children	.1292 <sup>a</sup>	-.1380 <sup>b</sup>	-.1809	.4478
Married, head 30-39, 1 child	.0648 <sup>a</sup>	-.1371 <sup>b</sup>	-.4964 <sup>b</sup>	-.2942 <sup>b</sup>
Married, head 30-39, 2+ children	.1118 <sup>a</sup>	-.0548 <sup>b</sup>	-.2055 <sup>b</sup>	.0270
Married, head 40-49, no children	.0458 <sup>a</sup>	.0086	.0391	-.3695 <sup>b</sup>
Married, head 40-49, 1 child	.0760 <sup>a</sup>	-.0504	-.4918 <sup>b</sup>	-.1532
Married, head 40-49, 2+ children	.1155 <sup>a</sup>	-.0492 <sup>b</sup>	-.6134 <sup>a</sup>	.0418
Married, head 50+, no children	.0943 <sup>a</sup>	-.0745 <sup>a</sup>	-.3049 <sup>a</sup>	-.3433 <sup>a</sup>
Married, head 50+, 1 child	.1456 <sup>a</sup>	-.1165 <sup>b</sup>	-1.1062 <sup>a</sup>	.0403
Married, head 50+, 2+ children	.1239 <sup>a</sup>	-.1082 <sup>b</sup>	.0468	.3949

<sup>a</sup>Significant at .05 level.

<sup>b</sup>t-ratio greater than one.

TABLE A.9  
PROBABILITY LOT SIZE GREATER THAN .5 ACRE, OWNERS

$$Q_9 = \beta_0 + \beta_1 \ln Y + \beta_2 \ln P + \beta_3 \ln (PL_3) + \beta_4 \ln (PA_1)$$

Life-Cycle Class	Income $\beta_1$	Price of Standard Bundle $\beta_2$	Incremental Price of Larger Lot $\beta_3$	Incremental Price of Newer Unit $\beta_4$
Single, alone	.0860 <sup>a</sup>	-.0187	.1229	.0791
Single, with others	.1170 <sup>a</sup>	-.2379 <sup>a</sup>	.0580	-.4851 <sup>b</sup>
Separated, no children	.0594 <sup>a</sup>	-.0207	-.1407 <sup>b</sup>	-.4541
Separated, children	.0223	-.0503	-.0558	-.0974
Married, head < 30, no children	.0830 <sup>b</sup>	-.0030	-.0164	-.1153
Married, head < 30, 1 child	.0289	-.0169	-.0377	-.0017
Married, head < 30, 2+ children	.0582 <sup>a</sup>	-.0071	.0115	.0211
Married, head 30-39, no children	.0448 <sup>b</sup>	-.0624 <sup>b</sup>	-.0097	.4415 <sup>b</sup>
Married, head 30-39, 1 child	.1720 <sup>a</sup>	-.0452 <sup>b</sup>	-.0507	.1967
Married, head 30-39, 2+ children	.1228 <sup>a</sup>	.0021	-.0725 <sup>b</sup>	-.1086
Married, head 40-49, no children	.1331 <sup>a</sup>	-.0467 <sup>b</sup>	-.0207	-.1063
Married, head 40-49, 1 child	.1613 <sup>a</sup>	-.0533 <sup>b</sup>	.0478	-.0423
Married, head 40-49, 2+ children	.1656 <sup>a</sup>	-.0481 <sup>b</sup>	-.0907	-.3175 <sup>a</sup>
Married, head 50+, no children	.1187 <sup>a</sup>	-.0122	-.0764 <sup>b</sup>	-.1637 <sup>b</sup>
Married, head 50+, 1 child	.1704 <sup>a</sup>	-.0371	.0987	-.0405
Married, head 50+, 2+ children	.1521 <sup>a</sup>	-.0281	.0960	-.6266 <sup>b</sup>

<sup>a</sup>Significant at .05 level.

<sup>b</sup>t-ratio greater than one.

TABLE A.10  
STRUCTURE SIZE, RENTERS (ROOMS)

$$Q_2 = \beta_0 (Y)^{\beta_1} (RR)^{\beta_2} (RA_2)^{\beta_3}$$

Life-Cycle Class	Income $\beta_1$	Incremental Price of Adding Room $\beta_2$	Incremental Price of Newer Unit $\beta_3$
Single, alone	.1859 <sup>a</sup>	-.1395 <sup>b</sup>	.3822 <sup>b</sup>
Single, with others	.0931 <sup>a</sup>	-.1501 <sup>b</sup>	.2332
Separated, no children	.0602 <sup>a</sup>	-.1045 <sup>b</sup>	-.2118
Separated, children	.0756 <sup>a</sup>	.0969	-.2265
Married, head < 30, no children	.0949 <sup>a</sup>	-.2206 <sup>a</sup>	-.2374
Married, head < 30, 1 child	.0693 <sup>a</sup>	.0821	-.0813
Married, head < 30, 2+ children	.1016 <sup>a</sup>	-.1091 <sup>b</sup>	.1343
Married, head 30-39, no children	.0926 <sup>a</sup>	-.0016	-.6535 <sup>b</sup>
Married, head 30-39, 1 child	.0627 <sup>b</sup>	.0925	.2149
Married, head 30-39, 2+ children	.1133 <sup>a</sup>	-.0370	.3211 <sup>b</sup>
Married, head 40-49, no children	.0612 <sup>b</sup>	.0313	.0795
Married, head 40-49, 1 child	.2220 <sup>a</sup>	-.0555	.5946 <sup>b</sup>
Married, head 40-49, 2+ children	.1497 <sup>a</sup>	.1722	-.1433
Married, head 50+, no children	.1439 <sup>a</sup>	-.0842 <sup>b</sup>	-.2664
Married, head 50+, 1 child	.1796 <sup>a</sup>	-.0853	.9192
Married, head 50+, 2+ children	.0881	.4013	-1.8426 <sup>b</sup>

<sup>a</sup>Significant at .05 level.

<sup>b</sup>*t*-ratio greater than one.

TABLE A.11  
STRUCTURE AGE, RENTERS (YEARS)

$$Q_3 = \beta_0 Y^{\beta_1} R^{\beta_2} (RA_2)^{\beta_3}$$

Life-Cycle Class	Income $\beta_1$	Price of Standard Bundle $\beta_2$	Incremental Price of Newer Unit $\beta_3$
Single, alone	-.2681 <sup>a</sup>	1.3155 <sup>a</sup>	3.6048 <sup>a</sup>
Single, with others	-.3017 <sup>a</sup>	1.6290 <sup>a</sup>	3.2968 <sup>a</sup>
Separated, no children	-.4136 <sup>a</sup>	.0027	6.2973 <sup>a</sup>
Separated, children	-.2555 <sup>a</sup>	.7652 <sup>b</sup>	2.7709 <sup>a</sup>
Married, head < 30, no children	-.4406 <sup>a</sup>	-.1710	2.7143 <sup>a</sup>
Married, head < 30, 1 child	-.3396 <sup>a</sup>	.9022 <sup>a</sup>	2.3530 <sup>a</sup>
Married, head < 30, 2+ children	-.1754 <sup>b</sup>	.1443	2.8617 <sup>a</sup>
Married, head 30-39, no children	-.2470 <sup>b</sup>	.8113 <sup>b</sup>	2.0560 <sup>a</sup>
Married, head 30-39, 1 child	-.1939 <sup>a</sup>	.8284 <sup>a</sup>	1.2645 <sup>a</sup>
Married, head 30-39, 2+ children	-.3767 <sup>a</sup>	.6404 <sup>b</sup>	1.9142 <sup>b</sup>
Married, head 40-49, no children	-.5100 <sup>a</sup>	1.6080 <sup>a</sup>	-1.7798
Married, head 40-49, 1 child	-.5147 <sup>a</sup>	-1.7267	6.5962 <sup>a</sup>
Married, head 40-49, 2+ children	-.5530 <sup>a</sup>	.9894 <sup>b</sup>	.9788
Married, head 50+, no children	-.3169 <sup>a</sup>	.8442 <sup>a</sup>	2.5582 <sup>a</sup>
Married, head 50+, 1 child	-.1448	-.2325	4.2427 <sup>b</sup>
Married, head 50+, 2+ children	-.1033	-.6696	10.1680 <sup>a</sup>

<sup>a</sup>Significant at .05 level.

<sup>b</sup>t-ratio greater than one.

TABLE A.12  
PROBABILITY STRUCTURE AGE POST-1940, RENTERS

$$Q_4 = \beta_0 + \beta_1 \ln Y + \beta_2 \ln R + \beta_3 \ln (RA_2)$$

Life-Cycle Class	Income $\beta_1$	Price of Standard Bundle $\beta_2$	Incremental Price of Newer Unit $\beta_3$
Single, alone	.1633 <sup>a</sup>	-.7529 <sup>a</sup>	-.8320 <sup>a</sup>
Single, with others	.1315 <sup>a</sup>	-1.1085 <sup>a</sup>	-.3681 <sup>b</sup>
Separated, no children	.1571 <sup>a</sup>	-.4614 <sup>a</sup>	-.5148 <sup>b</sup>
Separated, children	.0743 <sup>b</sup>	-.5483 <sup>a</sup>	.0900
Married, head < 30, no children	.1475 <sup>a</sup>	-.3406 <sup>a</sup>	.3940
Married, head < 30, 1 child	.1519 <sup>a</sup>	-.5525 <sup>a</sup>	-.4911 <sup>b</sup>
Married, head < 30, 2+ children	.1175 <sup>a</sup>	-.4131 <sup>a</sup>	.5840 <sup>b</sup>
Married, head 30-39, no children	.0564	-.7247 <sup>a</sup>	-.2202
Married, head 30-39, 1 child	.1608 <sup>b</sup>	-.3869 <sup>b</sup>	-.2808
Married, head 30-39, 2+ children	.1809 <sup>a</sup>	-.1244	-.4120 <sup>b</sup>
Married, head 40-49, no children	.1202 <sup>b</sup>	-.2287 <sup>b</sup>	.0866
Married, head 40-49, 1 child	.2061 <sup>a</sup>	-.0756	.5630
Married, head 40-49, 2+ children	.3077 <sup>a</sup>	-.3590 <sup>b</sup>	.3917
Married, head 50+, no children	.1259 <sup>a</sup>	-.7412 <sup>a</sup>	.8451 <sup>a</sup>
Married, head 50+, 1 child	.0950	-1.4871 <sup>a</sup>	2.5545 <sup>a</sup>
Married, head 50+, 2+ children	.5367 <sup>a</sup>	-.7552 <sup>b</sup>	2.5840 <sup>b</sup>

<sup>a</sup> Significant at .05 level.

<sup>b</sup> *t*-ratio greater than one.

TABLE A.13  
PROBABILITY STRUCTURE AGE POST-1960, RENTERS

$$Q_s = \beta_0 + \beta_1 \ln Y + \beta_2 \ln R + \beta_3 \ln (RA_1)$$

Life-Cycle Class	Income $\beta_1$	Price of Standard Bundle $\beta_2$	Incremental Price of Newer Unit $\beta_3$
Single, alone	.0885 <sup>a</sup>	-.5175 <sup>a</sup>	-.9128 <sup>a</sup>
Single, with others	.1173 <sup>a</sup>	-.5593 <sup>a</sup>	-1.1177 <sup>a</sup>
Separated, no children	.1476 <sup>a</sup>	-.0279	-2.3415 <sup>a</sup>
Separated, children	.1025 <sup>a</sup>	-.2591 <sup>b</sup>	-.9234 <sup>b</sup>
Married, head < 30, no children	.1963 <sup>a</sup>	.0307	-.6041 <sup>b</sup>
Married, head < 30, 1 child	.1366 <sup>a</sup>	-.2378 <sup>b</sup>	-.7255 <sup>b</sup>
Married, head < 30, 2+ children	.0200	.0066	-.7785 <sup>b</sup>
Married, head 30-39, no children	.1151 <sup>b</sup>	-.1602	-.5038 <sup>b</sup>
Married, head 30-39, 1 child	.1247 <sup>a</sup>	-.2774 <sup>b</sup>	-.6131 <sup>b</sup>
Married, head 30-39, 2+ children	.1095 <sup>a</sup>	-.2588 <sup>b</sup>	-.2578
Married, head 40-49, no children	.2478 <sup>a</sup>	-.8307 <sup>a</sup>	-1.2141 <sup>b</sup>
Married, head 40-49, 1 child	.1322 <sup>b</sup>	.6814 <sup>a</sup>	-2.0196 <sup>a</sup>
Married, head 40-49, 2+ children	.1888 <sup>a</sup>	-.5187 <sup>a</sup>	.5559
Married, head 50+, no children	.1098 <sup>a</sup>	-.4539 <sup>a</sup>	-.3069
Married, head 50+, 1 child	.0417	.0506	-.8925
Married, head 50+, 2+ children	-.0463	-.1742	-2.8982 <sup>b</sup>

<sup>a</sup>Significant at .05 level.

<sup>b</sup>*t*-ratio greater than one.