

Appendix IV
GARP violations and goodness-of-fit indices by subject

ID	# of GARP violations	CCEI	Varian 1991	HM*	ID	# of GARP violations	CCEI	Varian 1991	HM*
1	754	0.761	0.408	15	27	130	0.930	0.740	43
2	2	1.000	0.998	49	28	34	0.905	0.832	42
3	167	0.898	0.635	39	29	717	0.822	0.393	21
4	8	0.984	0.966	46	30	95	0.913	0.770	42
5	80	0.939	0.799	43	31	10	0.951	0.848	48
6	6	0.973	0.911	48	32	68	0.941	0.628	43
7	261	0.834	0.524	29	33	0	1.000	1.000	50
8	2	0.994	0.974	49	34	14	0.935	0.779	45
9	10	0.974	0.960	46	35	54	0.958	0.865	39
10	5	0.979	0.810	49	36	16	0.963	0.925	44
11	0	1.000	1.000	50	37	12	0.980	0.935	46
12	15	0.976	0.920	45	38	124	0.917	0.518	32
13	0	1.000	1.000	50	39	12	0.975	0.934	47
14	0	1.000	1.000	50	40	8	0.980	0.925	46
15	254	0.904	0.485	26	41	64	0.884	0.650	42
16	178	0.852	0.690	36	42	4	0.985	0.952	49
17	7	0.988	0.984	47	43	4	0.992	0.983	49
18	350	0.857	0.605	27	44	2	0.998	0.995	49
19	15	0.986	0.890	45	45	4	0.986	0.924	48
20	58	0.946	0.885	41	46	45	0.854	0.632	45
21	92	0.946	0.797	36	47	30	0.893	0.683	42
22	2	0.997	0.990	49	48	282	0.882	0.614	29
23	43	0.958	0.882	42	49	18	0.959	0.873	44
24	17	0.960	0.942	45	50	14	0.958	0.955	46
25	4	0.995	0.984	49	51	129	0.838	0.616	44
26	2	0.996	0.995	49	52	0	1.000	1.000	50

ID	# of GARP violations	CCEI	Varian 1991	HM*	ID	# of GARP violations	CCEI	Varian 1991	HM*
53	8	0.974	0.921	46	79	40	0.955	0.891	46
54	464	0.905	0.480	23	80	0	1.000	1.000	50
55	0	1.000	1.000	50	81	19	0.794	0.783	47
56	0	1.000	1.000	50	82	196	0.790	0.572	34
57	4	0.996	0.983	48	83	8	0.985	0.981	46
58	26	0.938	0.857	47	84	6	0.998	0.969	47
59	587	0.760	0.438	25	85	17	0.957	0.930	46
60	151	0.924	0.690	34	86	0	1.000	1.000	50
61	813	0.772	0.405	14	87	205	0.854	0.525	32
62	2	0.999	0.983	49	88	90	0.932	0.727	38
63	4	0.998	0.933	48	89	16	0.882	0.867	48
64	4	0.985	0.953	49	90	104	0.879	0.620	35
65	127	0.931	0.705	38	91	5	0.998	0.956	49
66	11	0.980	0.961	47	92	18	0.926	0.892	45
67	11	0.969	0.877	46	93	564	0.745	0.446	21
68	37	0.947	0.876	46	94	20	0.978	0.936	44
69	81	0.931	0.813	35	95	131	0.927	0.659	37
70	84	0.943	0.728	36	96	2	0.994	0.988	49
71	44	0.958	0.751	43	97	37	0.976	0.927	39
72	59	0.902	0.810	43	98	21	0.977	0.921	42
73	12	0.933	0.827	48	99	80	0.866	0.789	41
74	24	0.968	0.802	47	100	29	0.884	0.778	45
75	17	0.915	0.876	44	101	4	0.996	0.987	48
76	42	0.860	0.808	44	102	35	0.956	0.753	44
77	6	0.979	0.960	47	103	102	0.946	0.660	37
78	4	0.990	0.969	48	104	8	0.962	0.900	49

ID	# of GARP violations	CCEI	Varian 1991	HM*	ID	# of GARP violations	CCEI	Varian 1991	HM*
105	2	0.999	0.994	49	130	0	1.000	1.000	50
106	175	0.902	0.677	37	131	64	0.963	0.842	37
107	387	0.851	0.496	20	132	50	0.903	0.719	43
108	46	0.958	0.915	43	133	4	0.988	0.986	48
109	77	0.933	0.597	45	134	399	0.895	0.497	36
110	6	0.996	0.859	48	135	21	0.950	0.922	45
111	2	0.969	0.951	49	136	2	1.000	0.997	49
112	0	1.000	1.000	50	137	6	0.966	0.946	49
113	75	0.959	0.788	41	138	93	0.906	0.734	40
114	4	0.991	0.959	48	139	6	0.983	0.961	47
115	6	0.971	0.880	47	140	13	0.966	0.944	46
116	138	0.877	0.668	32	141	0	1.000	1.000	50
117	0	1.000	1.000	50	142	18	0.990	0.980	46
118	66	0.941	0.780	37	143	34	0.923	0.860	44
119	18	0.961	0.897	47	144	88	0.909	0.690	37
120	9	0.951	0.870	47	145	32	0.987	0.745	45
121	20	0.936	0.892	43	146	4	0.999	0.987	48
122	164	0.921	0.798	32	147	4	0.980	0.958	48
123	73	0.831	0.825	39	148	0	1.000	1.000	50
124	13	0.972	0.928	46	149	82	0.861	0.818	37
125	2	0.990	0.942	49	150	63	0.931	0.673	44
126	16	0.975	0.901	46	151	7	0.990	0.961	49
127	14	0.983	0.930	48	152	2	0.999	0.999	49
128	4	0.986	0.979	48	153	23	0.979	0.956	43
129	112	0.952	0.685	39	154	0	1.000	1.000	50

* The test proposed by Houtman and Maks (1985) (HM), finds the largest subset of choices that is consistent with GARP. This method is computationally very intensive. As a result, we were unable to calculate the HM indices for a small number of subjects who often violated GARP, and we therefore report only lower bounds. The Varian (1991) index is a lower bound on the CCEI. The reasons for this discrepancy are discussed in CFGKb.