



Main effects and confounding

Odds ratios

	CONFOU																								
	AFE	AGE	BFR	BLK	CNT	HSP	KID	MAL	MAR	MFI	MNC	MRC	MUL	NHH	NUM	OWN	REL	RUR	SCH	SIZ	SUN	TEL	USL	WHT	
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN
EFF-																									
ECT																									
AFE	0.989	1.021	0.968	1.007	1.008	0.998	0.984	0.655	0.996	0.985	1.013	0.988	1.017	0.988	0.983	1.263	1.000	0.999	1.020	1.015	0.991	0.997	1.000	1.012	
AGE	0.997	0.997	0.996	0.998	0.999	0.997	0.996	0.998	0.997	0.997	0.993	0.997	0.998	0.997	0.996	1.011	0.998	0.998	1.000	0.998	0.997	0.998	0.999	0.998	
BFR	3.353	3.406	3.349	3.415	4.450	3.359	3.349	3.394	3.363	3.366	4.021	3.374	3.419	3.364	3.358	3.771	3.331	3.414	3.364	3.461	3.466	3.392	3.422	3.421	
BLK	1.694	1.681	1.735	1.693	1.642	1.718	1.702	1.772	1.698	1.808	1.688	1.694	1.607	1.687	1.696	1.123	1.705	1.570	1.675	1.491	1.704	1.645	1.689	1.784	
CNT	1.270	1.268	1.329	1.266	1.270	1.269	1.270	1.265	1.270	1.268	1.257	1.269	1.260	1.270	1.269	1.220	1.272	1.261	1.267	1.258	1.264	1.269	1.265	1.266	
HSP	1.184	1.158	1.205	1.254	1.163	1.184	1.198	1.175	1.184	1.225	1.301	1.184	1.099	1.180	1.207	0.765	1.172	1.088	1.157	1.026	1.200	1.141	1.167	1.214	
KID	0.952	0.894	0.953	0.928	0.955	0.938	0.953	1.010	0.962	0.962	1.081	0.953	0.958	0.953	0.982	0.769	0.927	0.944	0.951	0.942	0.954	0.937	0.928	0.926	
MAL	2.129	1.894	1.911	1.935	1.872	1.897	1.900	1.898	1.914	1.889	1.921	1.898	1.898	1.902	1.896	1.846	1.964	1.898	1.888	1.898	1.908	1.887	1.870	1.914	
MAR	0.951	0.951	0.933	1.010	0.983	0.951	0.955	0.903	0.951	0.935	0.953	0.950	1.046	0.948	0.968	1.783	0.871	1.001	1.002	1.028	0.949	0.976	0.937	0.990	
MFI	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
MNC	5.713	5.911	6.167	5.707	5.541	5.759	5.751	5.763	5.711	5.681	5.712	5.713	5.793	5.675	5.730	5.987	5.736	5.706	5.766	5.706	5.681	5.644	5.944	5.716	
MRC	1.150	1.151	1.197	1.151	1.116	1.149	1.150	1.145	1.150	1.162	1.153	1.149	1.163	1.149	1.150	1.144	1.152	1.151	1.153	1.172	1.150	1.150	1.151	1.151	
MUL	1.323	1.317	1.339	1.291	1.282	1.318	1.323	1.323	1.333	1.321	1.351	1.324	1.323	1.335	1.326	0.773	1.363	1.243	1.303	1.209	1.333	1.309	1.326	1.293	
NHH	0.953	0.953	0.952	0.953	0.953	0.953	0.953	0.952	0.953	0.951	0.955	0.953	0.951	0.953	0.953	0.950	0.953	0.951	0.953	0.951	0.953	0.953	0.953	0.953	
NUM	0.981	0.964	0.977	0.979	0.987	0.976	0.983	0.992	0.986	0.980	1.011	0.981	1.005	0.980	0.981	1.048	0.947	0.987	0.974	0.990	0.982	0.982	0.968	0.975	
OWN	0.095	0.087	0.094	0.097	0.100	0.095	0.094	0.097	0.081	0.091	0.094	0.096	0.085	0.096	0.095	0.096	0.087	0.097	0.098	0.096	0.096	0.095	0.096	0.096	
REL	1.068	1.058	1.056	1.076	1.083	1.065	1.074	1.134	1.108	1.066	1.083	1.068	1.122	1.064	1.116	1.329	1.068	1.092	1.038	1.102	1.065	1.078	1.059	1.070	
RUR	0.574	0.576	0.564	0.602	0.599	0.577	0.573	0.574	0.574	0.584	0.575	0.573	0.623	0.566	0.575	0.916	0.564	0.574	0.582	0.806	0.567	0.572	0.575	0.597	
SCH	2.493	2.478	2.514	2.437	2.410	2.470	2.489	2.421	2.490	2.516	2.634	2.490	2.333	2.495	2.514	1.542	2.430	2.382	2.488	2.346	2.496	2.485	2.504	2.393	
SIZ	1.035	1.034	1.036	1.031	1.032	1.035	1.035	1.035	1.035	1.034	1.034	1.035	1.029	1.036	1.035	1.001	1.036	1.026	1.034	1.035	1.036	1.034	1.035	1.031	
SUN	0.103	0.103	0.094	0.101	0.113	0.102	0.103	0.100	0.103	0.101	0.107	0.103	0.099	0.104	0.103	0.095	0.103	0.099	0.102	0.096	0.103	0.103	0.103	0.101	
TEL	0.650	0.661	0.628	0.701	0.662	0.659	0.647	0.675	0.654	0.615	0.741	0.650	0.690	0.654	0.651	1.177	0.637	0.646	0.651	0.666	0.651	0.650	0.639	0.693	
USL	1.055	1.052	1.063	1.054	1.040	1.054	1.056	1.029	1.056	1.052	1.087	1.055	1.056	1.055	1.059	1.041	1.053	1.053	1.056	1.054	1.055	1.057	1.055	1.053	
WHT	0.678	0.685	0.660	1.056	0.699	0.675	0.675	0.664	0.680	0.652	0.677	0.678	0.719	0.679	0.675	1.024	0.677	0.732	0.694	0.771	0.672	0.698	0.683	0.679	















Main effects and confounding

Odds ratios

	CONFOU																								
	AFE	AGE	BFR	BLK	CNT	HSP	KID	MAL	MAR	MFI	MNC	MRC	MUL	NHH	NUM	OWN	REL	RUR	SCH	SIZ	SUN	TEL	USL	WHT	
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN
EFF-																									
ECT																									
AFE	0.845	0.964	0.854	0.914	0.875	0.909	0.857	0.418	0.898	0.836	0.906	0.843	0.946	0.852	0.843	1.411	0.844	0.885	0.906	0.950	0.842	0.873	0.870	0.933	
AGE	0.989	0.989	0.990	0.991	0.991	0.991	0.988	0.991	0.990	0.989	0.985	0.989	0.992	0.990	0.988	1.008	0.989	0.991	0.993	0.992	0.989	0.990	0.994	0.991	
BFR	0.821	0.852	0.816	0.854	0.913	0.837	0.817	0.845	0.830	0.826	1.068	0.828	0.866	0.833	0.816	1.063	0.817	0.870	0.831	0.903	0.855	0.833	0.846	0.872	
BLK	1.961	1.920	1.957	1.969	1.903	2.018	1.964	2.131	1.913	2.178	1.931	1.970	1.801	1.917	1.970	1.175	1.973	1.721	1.940	1.579	1.996	1.892	1.981	1.368	
CNT	1.265	1.254	1.262	1.253	1.266	1.261	1.266	1.255	1.259	1.259	1.245	1.264	1.237	1.255	1.266	1.189	1.266	1.237	1.260	1.229	1.266	1.263	1.253	1.251	
HSP	1.687	1.572	1.689	1.796	1.657	1.704	1.698	1.675	1.677	1.824	1.852	1.704	1.448	1.659	1.755	0.840	1.710	1.402	1.639	1.247	1.744	1.606	1.665	1.710	
KID	1.116	0.894	1.130	1.036	1.128	1.018	1.132	1.258	1.206	1.171	1.392	1.131	1.145	1.121	1.212	0.840	1.152	1.081	1.123	1.071	1.134	1.085	1.038	1.005	
MAL	3.567	2.753	2.802	2.981	2.757	2.794	2.857	2.814	2.893	2.770	2.656	2.810	2.770	2.658	2.820	2.511	2.865	2.781	2.763	2.767	2.851	2.785	2.655	2.903	
MAR	0.764	0.774	0.762	0.906	0.787	0.769	0.742	0.706	0.757	0.723	0.760	0.756	0.990	0.760	0.709	2.496	0.682	0.889	0.824	0.962	0.749	0.799	0.725	0.895	
MFI	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
MNC	11.62	12.66	11.76	11.51	11.33	11.90	12.03	11.31	11.64	11.53	11.65	11.66	11.95	10.47	11.75	10.45	11.67	11.58	11.72	11.48	11.65	11.45	12.71	11.51	
MRC	1.151	1.153	1.138	1.151	1.123	1.149	1.149	1.142	1.153	1.163	1.153	1.149	1.166	1.149	1.150	1.141	1.149	1.152	1.153	1.176	1.151	1.150	1.152	1.153	
MUL	1.440	1.419	1.438	1.393	1.404	1.413	1.444	1.434	1.440	1.432	1.465	1.445	1.443	1.438	1.475	0.793	1.489	1.316	1.413	1.263	1.460	1.424	1.446	1.379	
NHH	0.953	0.953	0.953	0.954	0.954	0.953	0.953	0.955	0.953	0.951	0.964	0.953	0.952	0.953	0.953	0.964	0.953	0.952	0.954	0.952	0.954	0.953	0.953	0.954	
NUM	0.990	0.945	0.993	0.990	0.999	0.966	0.968	1.010	1.049	0.992	1.030	0.992	1.063	0.990	0.992	1.139	0.998	1.006	0.988	1.014	0.992	0.994	0.960	0.976	
OWN	0.146	0.140	0.149	0.154	0.154	0.147	0.149	0.153	0.107	0.141	0.156	0.150	0.123	0.159	0.141	0.150	0.123	0.160	0.153	0.157	0.147	0.145	0.150	0.152	
REL	0.980	0.954	0.985	1.013	1.000	0.973	0.969	1.064	1.112	0.982	1.018	0.983	1.133	0.972	0.984	1.531	0.982	1.059	0.965	1.089	0.974	1.002	0.957	1.005	
RUR	0.505	0.514	0.506	0.539	0.524	0.520	0.505	0.509	0.512	0.512	0.511	0.504	0.566	0.506	0.503	0.810	0.498	0.504	0.514	0.758	0.494	0.502	0.510	0.546	
SCH	4.594	3.739	4.614	4.421	4.435	4.439	4.658	4.285	4.224	4.836	4.820	4.671	3.830	4.334	4.672	1.678	4.703	4.108	4.663	3.918	4.724	4.575	4.745	4.113	
SIZ	1.040	1.039	1.040	1.035	1.038	1.039	1.040	1.040	1.039	1.039	1.041	1.033	1.041	1.041	1.007	1.042	1.029	1.039	1.040	1.042	1.040	1.040	1.035		
SUN	0.329	0.323	0.338	0.312	0.327	0.317	0.330	0.311	0.324	0.314	0.331	0.329	0.294	0.355	0.330	0.258	0.329	0.290	0.326	0.265	0.330	0.330	0.325	0.303	
TEL	0.536	0.577	0.537	0.666	0.542	0.587	0.536	0.557	0.578	0.451	0.607	0.531	0.621	0.556	0.531	1.476	0.530	0.518	0.541	0.570	0.531	0.531	0.499	0.680	
USL	1.138	1.104	1.136	1.140	1.122	1.134	1.137	1.091	1.147	1.130	1.188	1.139	1.139	1.132	1.146	1.128	1.141	1.128	1.140	1.132	1.140	1.146	1.139	1.137	
WHT	0.530	0.546	0.531	0.682	0.547	0.526	0.528	0.505	0.543	0.492	0.537	0.527	0.586	0.540	0.525	0.932	0.527	0.609	0.544	0.668	0.518	0.548	0.528	0.528	





Interactions

Estimates

CONFOU

	Estimate	SE	Z	P	CI
AGE	0.013	0.052	0.25	0.80	(-0.088, 0.112)
BFR	0.201	0.482	0.42	0.68	(-0.758, 0.356)
BLK	0.010	0.455	0.02	0.98	(-0.888, 0.868)
CNT	0.006	0.129	0.05	0.96	(-0.244, 0.232)
HSP	0.003	0.710	0.00	1.00	(-1.407, 1.400)
KID	0.010	0.665	0.01	0.99	(-1.285, 1.265)
MAL	0.000	1.943	0.00	1.00	(-3.783, 3.783)
MAR	0.000	0.959	0.00	1.00	(-1.818, 1.818)
MFI	0.000	0.000	0.00	1.00	(-0.000, 0.000)
MNC	0.039	0.317	0.12	0.90	(-0.588, 0.510)
MRC	0.019	0.069	0.27	0.79	(-0.110, 0.148)
MUL	0.020	0.056	0.36	0.72	(-0.092, 0.132)
NHH	0.005	0.085	0.06	0.95	(-0.160, 0.150)
NUM	0.000	0.198	0.00	1.00	(-0.396, 0.396)
OWN	0.000	0.674	0.00	1.00	(-1.348, 1.348)
REL	0.095	0.691	0.14	0.89	(-0.281, 0.091)
RUR	0.452	0.021	21.50	<0.001	(0.410, 0.494)
SCH	0.010	1.90	0.00	1.00	(-3.780, 3.760)
SIZ	0.008	0.004	0.20	0.85	(-0.008, 0.024)
SUN	1.202	0.315	3.81	<0.001	(0.572, 1.832)
TEL	0.094	1.14	0.08	0.93	(-2.172, 1.984)
USL	0.009	0.009	1.00	0.32	(-0.009, 0.027)







Table 8 – Logistic regression for Noncontact

Variable	D F	Parameter	SE	Wald	P>Chisq	Odds	Odds FR	Single HH	Single FR
INTERCPT	1	-5.2447	0.2143	599.1241	0.0001	.	.	.	.
AFE	1	-0.0172	0.0573	0.0903	0.7638	0.983	1.155	1.180	0.974
AGE	1	-0.00207	0.00108	3.7133	0.0540	0.998	0.999	0.995	0.990
BFR	1	1.1815	0.1675	49.7816	0.0001	3.259	1.731	4.829	0.677
BLK	1	0.3284	0.0814	16.2700	0.0001	1.389	2.429	1.684	1.987
CNT	1	0.3341	0.00724	2127.2115	0.0001	1.397	1.254	1.370	1.371
HSP	1	-0.0344	0.0409	0.7096	0.3996	0.966	1.004	1.238	1.481
KID	1	-2.5425	0.2089	148.1956	0.0001	0.079	1.335	0.691	0.670
MAL	1	-0.1374	0.1390	0.9780	0.3227	0.872	0.844	2.160	3.013
MAR	1	0.0471	0.1210	0.1514	0.6972	1.048	1.792	0.614	0.432
MFI	1	0.000013	1.12E-6	132.3436	0.0001	1.000	1.000	1.000	1.000
MNC	1	0.5927	0.0514	133.1776	0.0001	1.809	3.031	2.004	2.854
MRC	1	0.1163	0.0500	5.4172	0.0199	1.123	1.030	0.934	0.934
MUL	1	0.6893	0.1105	38.9019	0.0001	1.992	1.053	1.512	1.629
NHH	1	-0.0142	0.00233	36.9350	0.0001	0.986	1.003	0.988	0.988
NUM	1	-0.5988	0.0730	67.2221	0.0001	0.549	1.169	0.793	0.749
OWN	1	0.5060	0.0805	39.5497	0.0001	1.659	1.708	0.098	0.156
REL	1	1.4083	0.2044	47.4856	0.0001	4.089	0.167	0.789	0.641
RUR	1	0.5733	0.1316	18.9839	0.0001	1.774	2.091	0.656	0.594
SCH	1	-2.2249	0.1386	257.7813	0.0001	0.108	0.065	2.425	4.146
SIZ	1	0.0292	0.00349	70.3748	0.0001	1.030	1.023	1.036	1.041
SUN	1	-2.1153	0.1224	298.6511	0.0001	0.121	0.336	0.134	0.501
TEL	1	-0.4833	0.1466	10.8703	0.0010	0.617	1.761	0.715	0.563
USL	1	0.1008	0.00920	120.1564	0.0001	1.106	1.174	1.085	1.128
WHT	1	-0.2254	0.1009	4.9930	0.0255	0.798	1.394	0.660	0.520
AFEHSP	1	0.2876	0.1192	5.8187	0.0159	1.333	0.930		
AFENUM	1	-0.0542	0.0236	5.2839	0.0215	0.947	0.847		
AGESCH	1	0.0926	0.00461	402.6008	0.0001	1.097	1.105		
BFRMAL	1	0.4366	0.1042	17.5618	0.0001	1.547	1.797		
BFRNUM	1	0.2193	0.0668	10.7828	0.0010	1.245	0.873		
BFRTEL	1	0.8673	0.1362	40.5743	0.0001	2.380	0.844		
BLKRUR	1	-0.6346	0.1506	17.7640	0.0001	0.530	0.481		
CNTMRC	1	-0.0809	0.0205	15.6370	0.0001	0.922	0.941		
CNTRUR	1	0.0381	0.0167	5.1827	0.0228	1.039	1.022		
KIDMAL	1	-0.2348	0.0650	13.0655	0.0003	0.791	1.164		
KIDNUM	1	0.4257	0.0229	344.8147	0.0001	1.531	0.832		
KIDUSL	1	-0.0359	0.0163	4.8409	0.0278	0.965	0.843		
MALMAR	1	0.3882	0.0503	59.4564	0.0001	1.474	1.106		
MALNUM	1	0.1877	0.0224	70.4994	0.0001	1.206	0.942		
MALRUR	1	-0.1778	0.0716	6.1705	0.0130	0.837	0.879		
MALWHT	1	0.1365	0.0467	8.5394	0.0035	1.146	1.314		
MARRUR	1	0.1812	0.0545	11.0640	0.0009	1.199	1.266		
MARSCH	1	0.3616	0.1192	9.2020	0.0024	1.436	0.463		
MARTEL	1	0.1709	0.0855	4.0013	0.0455	1.186	1.573		
OWNSCH	1	1.9662	0.1181	277.0949	0.0001	7.144	7.588		
OWNTEL	1	-1.8081	0.0807	502.2448	0.0001	0.164	0.256		
RURWHT	1	-0.3120	0.1203	6.7280	0.0095	0.732	0.534		
TELWHT	1	0.1610	0.0716	5.0609	0.0245	1.175	0.757		
AGEMUL	1	-0.00780	0.00141	30.5557	0.0001	0.992	1.000		
BLKMUL	1	0.1393	0.0623	4.9974	0.0254	1.149	1.187		
CNTMUL	1	-0.0657	0.0138	22.7900	0.0001	0.936	0.957		
HSPMUL	1	0.3582	0.0762	22.1061	0.0001	1.431	1.303		
KIDMUL	1	0.3406	0.0894	14.5247	0.0001	1.406	1.044		
MARMUL	1	-0.4812	0.0627	58.8999	0.0001	0.618	0.738		
MFIMUL	1	-3.14E-6	1.372E-6	5.2331	0.0222	1.000	1.000		
MNCMUL	1	0.4039	0.0790	26.1348	0.0001	1.498	1.215		
NUMMUL	1	-0.1540	0.0323	22.7284	0.0001	0.857	1.002		
SCHMUL	1	0.2755	0.1154	5.6958	0.0170	1.317	1.171		
AGEREL	1	0.0195	0.00131	221.8061	0.0001	1.020	1.024		
BFRREL	1	-0.8271	0.1401	34.8582	0.0001	0.437	0.752		
BLKREL	1	0.2024	0.0964	4.4128	0.0357	1.224	0.886		
KIDREL	1	1.2884	0.1922	44.9427	0.0001	3.627	1.702		
MALREL	1	0.2848	0.0551	26.7448	0.0001	1.329	2.089		
MARREL	1	-0.5186	0.0886	34.2787	0.0001	0.595	1.382		
MFIREL	1	5.349E-6	1.163E-6	21.1453	0.0001	1.000	1.000		
MNCREL	1	-0.1898	0.0611	9.6320	0.0019	0.827	0.610		
NUMREL	1	-0.1716	0.0320	28.6843	0.0001	0.842	1.047		
OWNREL	1	-1.1274	0.0639	311.3336	0.0001	0.324	0.823		
SIZREL	1	-0.0112	0.00309	13.1505	0.0003	0.989	0.995		
TELREL	1	-0.2924	0.0768	14.5000	0.0001	0.747	1.185		
USLREL	1	-0.0439	0.0120	13.3777	0.0003	0.957	1.000		
WHTREL	1	0.2749	0.0875	9.8721	0.0017	1.316	1.122		
MALSIZ	1	-0.0151	0.00380	15.6519	0.0001	0.985	0.987		
MAROWN	1	-1.3933	0.0680	419.4237	0.0001	0.248	0.094		
MALMFI	1	-3.04E-6	1.105E-6	7.5398	0.0060	1.000	1.000		

Table 7

Variable	MlwiN HH	MlwiN FR	MlwiN RO	MlwiN FR*HH	MlwiN RO*FR
INTERCPT					
AFE	-0.122(0.062)	+7.712(2.617)	+21.11(0.630)	-0.663(0.373)	-50.16(17.90)
AGE	-0.007(0.006)	+0.052(0.078)	+0.065(0.008)	+0.000(0.000)	-0.001(0.002)
BFR	-4.342(0.266)	-3.934(2.129)	+4.040(0.350)	+3.022(0.329)	+5.911(2.433)
BLK	-0.376(0.027)	-0.909(0.215)	+19.93(2.277)	+0.866(0.090)	-2.908(1.450)
CNT	-0.444(0.016)	+1.634(0.507)	+2.353(0.091)	+0.045(0.007)	-1.015(0.348)
HSP	-0.127(0.026)	-0.577(0.101)	+18.79(3.871)	+0.763(0.100)	-1.511(0.952)
KID	+0.502(0.070)	+0.171(2.054)	+14.82(0.816)	-0.703(0.347)	+2.773(10.94)
MAL	-1.113(0.097)	-2.820(4.388)	+10.43(0.375)	+0.920(0.229)	+1.462(10.63)
MAR	+0.334(0.082)	+6.216(2.848)	+4.318(0.216)	+0.114(0.154)	9.517(5.385)
MFI					didn't converge
MNC					didn't converge
MRC	+0.018(0.054)	+0.091(9.600)	+36.25(1.054)	+0.483(0.430)	-3.384(113.6)
MUL	-0.096(0.006)	-0.087(0.066)	-4.720(0.463)	+0.096(0.011)	+0.468(0.137)
NHH	+0.043(0.010)	+0.510(0.112)	+0.277(0.016)	-0.004(0.001)	-0.051(0.014)
NUM	+0.230(0.051)	+1.920(0.707)	+0.718(0.820)	-0.006(0.020)	-0.640(0.274)
OWN	-1.276(0.062)	-1.804(0.786)	+2.891(0.206)	+5.904(0.115)	+3.888(1.280)
REL	+1.646(0.047)	-0.199(1.088)	+1.891(0.981)	-1.267(0.046)	+1.327(1.131)
RUR	+0.067(0.039)	+0.808(0.299)	+9.492(0.908)	+0.181(0.093)	-1.057(1.019)
SCH	-0.823(0.046)	7.225(3.045)	+121.4(6.672)	+1.722(0.784)	+157.7(121.7)
SIZ	-0.018(0.003)	-0.001(0.020)	+0.283(0.020)	+0.001(0.000)	-0.004(0.001)
SUN					didn't converge
TEL	-2.175(0.350)	+4.460(5.415)	+3.197(0.448)	+2.687(0.386)	-5.055(5.789)
USL	-0.068(0.032)	-0.707(0.932)	+1.468(0.066)	-0.006(0.013)	+0.239(0.383)
WHT	-0.492(0.073)	+1.689(0.832)	+2.821(0.143)	+0.855(0.099)	-1.286(1.013)



Main effects and confounding

Odds ratios

CONFOU

	AFE	AGE	BFR	BLK	CNT	HSP	KID	MAL	MAR	MFI	MNC	MRC	MUL	NHH	NUM	OWN	REL	RUR	SCH	SIZ	SUN	TEL	USL	WHT
AFE	0.974	1.100	0.994	1.053	1.021	1.025	0.927	0.470	1.179	0.959	0.992	0.975	1.137	0.973	0.908	1.595	0.948	1.009	1.035	1.097	0.971	1.002	1.000	1.076
AGE	0.990	0.990	0.991	0.992	0.993	0.991	0.985	0.992	0.992	0.990	0.989	0.990	0.994	0.990	0.983	1.009	0.988	0.992	0.994	0.993	0.990	0.991	0.995	0.993
BFR	0.677	0.702	0.677	0.708	0.788	0.689	0.674	0.702	0.715	0.689	0.733	0.671	0.732	0.682	0.690	0.871	0.704	0.710	0.688	0.747	0.698	0.689	0.699	0.722
BLK	1.991	1.943	1.960	1.987	1.896	2.022	2.053	2.164	1.617	2.272	1.977	1.986	1.751	1.974	1.994	1.201	1.872	1.795	1.960	1.583	2.006	1.922	1.998	1.338
CNT	1.371	1.361	1.362	1.358	1.371	1.368	1.371	1.360	1.348	1.360	1.364	1.373	1.330	1.368	1.357	1.294	1.353	1.348	1.367	1.332	1.371	1.369	1.359	1.356
HSP	1.485	1.372	1.452	1.558	1.421	1.481	1.633	1.452	1.407	1.623	1.524	1.481	1.166	1.473	1.883	0.727	1.553	1.264	1.428	1.056	1.505	1.400	1.448	1.482
KID	0.665	0.497	0.668	0.611	0.669	0.610	0.670	0.751	0.805	0.700	0.717	0.670	0.691	0.674	1.318	0.517	0.867	0.646	0.667	0.633	0.671	0.644	0.611	0.589
MAL	3.716	2.957	2.984	3.197	2.932	2.998	2.958	3.013	3.226	2.940	2.974	3.015	2.953	2.975	2.858	2.723	2.711	2.989	2.968	2.966	3.042	2.986	2.868	3.113
MAR	0.426	0.440	0.438	0.493	0.457	0.436	0.442	0.402	0.432	0.400	0.433	0.432	0.585	0.436	0.554	1.278	0.540	0.480	0.457	0.533	0.429	0.444	0.413	0.493
MFI	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
MNC	2.853	3.054	2.733	2.825	2.723	2.901	2.760	2.780	2.849	2.773	2.854	2.853	2.967	2.803	2.626	2.685	2.708	2.821	2.882	2.788	2.855	2.808	3.071	2.828
MRC	0.934	0.937	0.915	0.936	0.905	0.934	0.935	0.927	0.942	0.950	0.935	0.934	0.953	0.934	0.936	0.925	0.924	0.935	0.937	0.956	0.935	0.935	0.936	0.937
MUL	1.635	1.610	1.619	1.577	1.570	1.616	1.625	1.620	1.490	1.612	1.638	1.628	1.629	1.626	1.518	0.940	1.521	1.542	1.603	1.450	1.643	1.614	1.634	1.563
NHH	0.988	0.988	0.988	0.989	0.990	0.988	0.988	0.991	0.989	0.986	0.990	0.988	0.988	0.988	0.989	0.998	0.988	0.987	0.989	0.986	0.989	0.988	0.988	0.989
NUM	0.749	0.698	0.751	0.750	0.759	0.730	0.723	0.764	0.837	0.748	0.758	0.750	0.822	0.752	0.749	0.896	0.824	0.762	0.748	0.773	0.749	0.753	0.716	0.741
OWN	0.151	0.144	0.157	0.161	0.163	0.150	0.151	0.160	0.142	0.145	0.157	0.156	0.147	0.157	0.165	0.156	0.154	0.159	0.159	0.166	0.154	0.150	0.156	0.160
REL	0.641	0.623	0.645	0.661	0.660	0.637	0.651	0.690	0.802	0.641	0.650	0.641	0.761	0.643	0.782	1.025	0.641	0.677	0.639	0.710	0.637	0.650	0.622	0.658
RUR	0.594	0.605	0.600	0.639	0.630	0.607	0.589	0.601	0.662	0.628	0.597	0.594	0.722	0.594	0.614	0.949	0.642	0.594	0.605	1.147	0.587	0.592	0.601	0.648
SCH	4.168	3.397	4.058	3.928	3.899	4.000	4.159	3.811	2.808	4.375	4.231	4.143	3.146	4.080	4.278	1.513	4.397	3.747	4.146	3.451	4.189	4.080	4.204	3.643
SIZ	1.042	1.040	1.041	1.036	1.038	1.041	1.042	1.041	1.034	1.040	1.041	1.041	1.029	1.042	1.039	1.009	1.037	1.047	1.040	1.041	1.043	1.041	1.041	1.036
SUN	0.501	0.492	0.529	0.475	0.500	0.487	0.502	0.470	0.475	0.468	0.501	0.501	0.433	0.508	0.498	0.399	0.470	0.457	0.495	0.407	0.501	0.501	0.494	0.462
TEL	0.563	0.607	0.578	0.711	0.579	0.603	0.534	0.591	0.766	0.451	0.583	0.563	0.702	0.569	0.594	1.552	0.661	0.551	0.572	0.605	0.563	0.563	0.532	0.727
USL	1.128	1.099	1.123	1.129	1.105	1.124	1.142	1.077	1.152	1.115	1.144	1.127	1.129	1.126	1.187	1.120	1.151	1.119	1.128	1.121	1.129	1.134	1.128	1.126
WHT	0.518	0.536	0.529	0.660	0.547	0.520	0.499	0.496	0.621	0.473	0.522	0.521	0.605	0.523	0.497	0.906	0.543	0.579	0.534	0.663	0.513	0.537	0.521	0.520









Interactions
adjusted P-values

Table with columns for variables (AGE, BFR, BLK, CNT, HSP, KID, MAL, MAR, MFI, MNC, MRC, MUL, NHH, NUM, OVN, REL, RUR, SCH, SIZ, SUN, TEL, USL, WHT) and rows for coefficients and adjusted P-values. Includes a CONFOU row and a summary row at the bottom.





Main effects and confounding

Odds ratios

	CONFOU																									
	AFE	AGE	BFR	BLK	CNT	HSP	KID	MAL	MAR	MFI	MNC	MRC	MUL	NHH	NUM	OWN	REL	RUR	SCH	SIZ	SUN	TEL	USL	WHT		
	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	
	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	MEAN	
EFF-																										
ECT																										
AFE	1.180	1.259	1.151	1.201	1.216	1.194	1.139	0.745	1.266	1.173	1.188	1.180	1.233	1.179	1.120	1.529	1.144	1.189	1.215	1.213	1.182	1.187	1.201	1.209		
AGE	0.994	0.995	0.994	0.995	0.997	0.995	0.991	0.995	0.995	0.995	0.994	0.995	0.996	0.995	0.988	1.009	0.993	0.995	0.997	0.996	0.995	0.995	0.998	0.996		
BFR	4.806	4.959	4.829	4.927	7.822	4.847	4.832	4.921	4.983	4.866	5.089	4.825	5.001	4.833	4.961	5.540	4.953	4.905	4.852	5.002	4.995	4.878	4.986	4.945		
BLK	1.695	1.661	1.734	1.684	1.623	1.713	1.724	1.781	1.523	1.832	1.680	1.684	1.549	1.683	1.702	1.114	1.649	1.589	1.668	1.477	1.695	1.650	1.677	1.562		
CNT	1.372	1.366	1.469	1.366	1.370	1.370	1.370	1.366	1.361	1.367	1.365	1.371	1.356	1.370	1.364	1.329	1.364	1.362	1.368	1.358	1.364	1.369	1.362	1.366		
HSP	1.259	1.189	1.264	1.310	1.211	1.238	1.324	1.228	1.241	1.298	1.268	1.238	1.104	1.237	1.465	0.795	1.285	1.158	1.212	1.070	1.255	1.205	1.212	1.272		
KID	0.700	0.598	0.690	0.672	0.689	0.674	0.691	0.739	0.760	0.700	0.712	0.691	0.696	0.691	1.026	0.549	0.758	0.686	0.689	0.683	0.692	0.682	0.663	0.668		
MAL	2.349	2.150	2.180	2.203	2.135	2.159	2.129	2.160	2.261	2.145	2.164	2.160	2.164	2.161	2.111	2.134	2.071	2.160	2.150	2.162	2.171	2.151	2.100	2.181		
MAR	0.604	0.615	0.600	0.643	0.638	0.614	0.634	0.575	0.614	0.597	0.614	0.614	0.692	0.614	0.766	1.121	0.674	0.636	0.638	0.658	0.613	0.622	0.599	0.636		
MFI	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
MNC	2.009	2.069	2.170	2.000	1.904	2.018	1.954	2.018	2.004	1.984	2.004	2.004	2.043	2.000	1.901	2.021	1.979	1.999	2.018	1.998	1.992	1.980	2.090	2.004		
MRC	0.933	0.936	0.979	0.935	0.895	0.934	0.935	0.929	0.939	0.948	0.934	0.934	0.951	0.934	0.936	0.925	0.929	0.935	0.937	0.953	0.935	0.934	0.936	0.936		
MUL	1.521	1.501	1.535	1.480	1.460	1.506	1.509	1.515	1.423	1.508	1.520	1.512	1.512	1.516	1.413	0.892	1.450	1.456	1.493	1.399	1.523	1.502	1.518	1.479		
NHH	0.988	0.988	0.988	0.988	0.989	0.988	0.988	0.987	0.986	0.989	0.988	0.985	0.988	0.987	0.984	0.987	0.987	0.988	0.986	0.989	0.988	0.988	0.988	0.988		
NUM	0.794	0.749	0.788	0.793	0.799	0.785	0.791	0.800	0.835	0.791	0.799	0.793	0.824	0.793	0.793	0.866	0.806	0.798	0.787	0.804	0.794	0.795	0.768	0.789		
OWN	0.095	0.090	0.095	0.099	0.102	0.097	0.094	0.098	0.095	0.091	0.098	0.098	0.092	0.098	0.102	0.098	0.097	0.097	0.099	0.099	0.097	0.096	0.099	0.098		
REL	0.791	0.768	0.778	0.796	0.805	0.786	0.810	0.838	0.903	0.786	0.793	0.789	0.848	0.788	0.960	1.024	0.789	0.804	0.774	0.817	0.787	0.794	0.775	0.792		
RUR	0.654	0.661	0.643	0.689	0.696	0.662	0.652	0.656	0.699	0.682	0.657	0.656	0.766	0.653	0.677	1.053	0.683	0.656	0.665	1.119	0.649	0.655	0.658	0.687		
SCH	2.482	2.259	2.460	2.378	2.348	2.402	2.437	2.355	2.058	2.464	2.455	2.424	2.200	2.426	2.670	1.502	2.750	2.344	2.425	2.285	2.434	2.423	2.452	2.327		
SIZ	1.036	1.035	1.038	1.032	1.032	1.035	1.036	1.036	1.031	1.034	1.035	1.036	1.025	1.036	1.033	1.002	1.033	1.040	1.035	1.036	1.037	1.035	1.036	1.032		
SUN	0.134	0.134	0.121	0.132	0.152	0.133	0.134	0.130	0.133	0.131	0.136	0.134	0.127	0.135	0.135	0.123	0.133	0.131	0.134	0.125	0.134	0.134	0.134	0.132		
TEL	0.711	0.738	0.687	0.771	0.732	0.729	0.693	0.747	0.797	0.665	0.742	0.715	0.785	0.716	0.740	1.309	0.759	0.712	0.716	0.733	0.716	0.715	0.697	0.767		
USL	1.086	1.077	1.096	1.084	1.065	1.084	1.093	1.053	1.096	1.082	1.094	1.085	1.088	1.085	1.121	1.073	1.094	1.084	1.087	1.085	1.085	1.087	1.085	1.083		
WHT	0.654	0.673	0.638	0.923	0.685	0.655	0.642	0.642	0.713	0.626	0.660	0.660	0.723	0.660	0.633	0.999	0.666	0.699	0.674	0.752	0.654	0.673	0.666	0.660		



Main effects and confounding

R-square

CONFOU

	AFE	AGE	BFR	BLK	CNT	HSP	KID	MAL	MAR	MFI	MNC	MRC	MUL	NHH	NUM	OWN	REL	RUR	SCH	SIZ	SUN	TEL	USL	WHT
AFE	0.000	0.002	0.016	0.005	0.032	0.001	0.003	0.021	0.009	0.002	0.006	0.001	0.013	0.001	0.012	0.137	0.005	0.004	0.005	0.009	0.006	0.001	0.003	0.004
AGE	0.002	0.001	0.017	0.005	0.032	0.001	0.005	0.020	0.009	0.003	0.007	0.001	0.013	0.001	0.017	0.138	0.007	0.005	0.004	0.009	0.006	0.002	0.003	0.004
BFR	0.016	0.017	0.015	0.020	0.057	0.016	0.018	0.035	0.024	0.017	0.022	0.015	0.028	0.015	0.028	0.152	0.021	0.019	0.019	0.024	0.021	0.016	0.019	0.019
BLK	0.005	0.005	0.020	0.004	0.036	0.005	0.007	0.024	0.011	0.007	0.010	0.005	0.015	0.005	0.016	0.134	0.009	0.007	0.008	0.011	0.010	0.005	0.007	0.004
CNT	0.032	0.032	0.057	0.036	0.032	0.032	0.034	0.050	0.038	0.033	0.037	0.032	0.042	0.032	0.043	0.158	0.036	0.035	0.036	0.038	0.036	0.033	0.033	0.035
HSP	0.001	0.001	0.016	0.005	0.032	0.000	0.003	0.020	0.008	0.002	0.006	0.000	0.012	0.001	0.013	0.135	0.006	0.004	0.004	0.008	0.006	0.001	0.003	0.004
KID	0.003	0.005	0.018	0.007	0.034	0.003	0.002	0.021	0.009	0.004	0.008	0.002	0.014	0.003	0.012	0.140	0.006	0.006	0.006	0.011	0.008	0.003	0.006	0.006
MAL	0.021	0.020	0.035	0.024	0.050	0.020	0.021	0.019	0.029	0.021	0.025	0.019	0.031	0.019	0.030	0.151	0.022	0.023	0.023	0.028	0.025	0.020	0.020	0.023
MAR	0.009	0.009	0.024	0.011	0.038	0.008	0.009	0.029	0.008	0.010	0.013	0.008	0.016	0.008	0.014	0.134	0.008	0.010	0.010	0.014	0.013	0.008	0.011	0.010
MFI	0.002	0.003	0.017	0.007	0.033	0.002	0.004	0.021	0.010	0.002	0.007	0.002	0.014	0.002	0.014	0.142	0.007	0.005	0.006	0.010	0.007	0.003	0.004	0.006
MNC	0.006	0.007	0.022	0.010	0.037	0.006	0.008	0.025	0.013	0.007	0.006	0.006	0.018	0.006	0.017	0.139	0.010	0.010	0.010	0.014	0.011	0.006	0.009	0.009
MRC	0.001	0.001	0.015	0.005	0.032	0.000	0.002	0.019	0.008	0.002	0.006	0.000	0.012	0.000	0.012	0.134	0.005	0.004	0.004	0.008	0.005	0.001	0.003	0.004
MUL	0.013	0.013	0.028	0.015	0.042	0.012	0.014	0.031	0.016	0.014	0.018	0.012	0.012	0.012	0.020	0.135	0.014	0.013	0.015	0.016	0.018	0.012	0.015	0.014
NHH	0.001	0.001	0.015	0.005	0.032	0.001	0.003	0.019	0.008	0.002	0.006	0.000	0.012	0.000	0.012	0.135	0.005	0.004	0.004	0.009	0.006	0.001	0.003	0.004
NUM	0.012	0.017	0.028	0.016	0.043	0.013	0.012	0.030	0.014	0.014	0.017	0.012	0.012	0.012	0.012	0.139	0.012	0.015	0.017	0.019	0.017	0.013	0.017	0.016
OWN	0.137	0.138	0.152	0.134	0.158	0.135	0.140	0.151	0.134	0.142	0.139	0.134	0.135	0.135	0.139	0.134	0.134	0.134	0.135	0.134	0.140	0.135	0.136	0.134
REL	0.005	0.007	0.021	0.009	0.036	0.006	0.006	0.022	0.008	0.007	0.010	0.005	0.014	0.005	0.012	0.134	0.005	0.008	0.010	0.012	0.010	0.006	0.009	0.008
RUR	0.004	0.005	0.019	0.007	0.035	0.004	0.006	0.023	0.010	0.005	0.010	0.004	0.013	0.004	0.015	0.134	0.008	0.004	0.008	0.009	0.009	0.005	0.007	0.006
SCH	0.005	0.004	0.019	0.008	0.036	0.004	0.006	0.023	0.010	0.006	0.010	0.004	0.015	0.004	0.017	0.135	0.010	0.008	0.004	0.012	0.009	0.005	0.007	0.007
SIZ	0.009	0.009	0.024	0.011	0.038	0.008	0.011	0.028	0.014	0.010	0.014	0.008	0.016	0.009	0.019	0.134	0.012	0.009	0.012	0.008	0.014	0.009	0.011	0.010
SUN	0.006	0.006	0.021	0.010	0.036	0.006	0.008	0.025	0.013	0.007	0.011	0.005	0.018	0.006	0.017	0.140	0.010	0.009	0.009	0.014	0.005	0.006	0.008	0.009
TEL	0.001	0.002	0.016	0.005	0.033	0.001	0.003	0.020	0.008	0.003	0.006	0.001	0.012	0.001	0.013	0.135	0.006	0.005	0.005	0.009	0.006	0.001	0.004	0.004
USL	0.003	0.003	0.019	0.007	0.033	0.003	0.006	0.020	0.011	0.004	0.009	0.003	0.015	0.003	0.017	0.136	0.009	0.007	0.007	0.011	0.008	0.004	0.003	0.006
WHT	0.004	0.004	0.019	0.004	0.035	0.004	0.006	0.023	0.010	0.006	0.009	0.004	0.014	0.004	0.016	0.134	0.008	0.006	0.007	0.010	0.009	0.004	0.006	0.003





Interactions
adjusted P-values

Table with columns for variables (AGE, BFR, BLK, CNT, HSP, KID, MAL, MAR, MFI, MNC, MRC, MUL, NHH, NUM, OWN, REL, RUR, SCH, SIZ, SUN, TEL, USL) and rows for coefficients, standard errors, and p-values. Includes a CONFOU row and a summary row at the bottom.



Table 4 – Logistic model for Refusal

Variable	D F	Parameter	SE	Wald	p>chisq	Odds	Odds FR	Single HH	Single FR
INTERCPT	1	-6.0707	0.1652	1349.8134	0.0001	.	.		
AFE	1	-0.1580	0.0607	6.7785	0.0092	0.854	0.840	0.989	0.845
AGE	1	0.00153	0.00106	2.0890	0.1484	1.002	1.002	0.997	0.989
BFR	1	1.6664	0.1089	234.2760	0.0001	5.293	1.677	3.349	0.816
BLK	1	0.4801	0.0655	53.7670	0.0001	1.616	1.650	1.693	1.969
CNT	1	0.2176	0.0113	370.9090	0.0001	1.243	1.193	1.270	1.266
HSP	1	-0.2904	0.1877	2.3940	0.1218	0.748	2.094	1.184	1.704
KID	1	0.1708	0.1166	2.1459	0.1430	1.186	1.374	0.953	1.132
MAL	1	-0.1209	0.1045	1.3389	0.2472	0.886	0.688	1.899	2.814
MAR	1	0.5791	0.0461	157.4842	0.0001	1.784	2.898	0.951	0.757
MFI	1	9.988E-6	1.106E-6	81.5093	0.0001	1.000	1.000	1.000	1.000
MNC	1	1.7038	0.0309	3038.1098	0.0001	5.495	9.247	5.712	11.652
MRC	1	-0.5617	0.2299	5.9702	0.0145	0.570	0.852	1.149	1.149
MUL	1	0.1609	0.0684	5.5322	0.0187	1.175	1.162	1.323	1.443
NHH	1	-0.0478	0.00325	216.0822	0.0001	0.953	0.982	0.953	0.953
NUM	1	0.2763	0.0457	36.5600	0.0001	1.318	1.134	0.981	0.992
OWN	1	-0.4765	0.1116	18.2410	0.0001	0.621	1.089	0.096	0.150
REL	1	-1.8891	0.1130	279.6805	0.0001	0.151	0.227	1.068	0.982
RUR	1	-0.00613	0.0609	0.0101	0.9199	0.994	0.950	0.574	0.504
SCH	1	-1.2247	0.1689	52.6016	0.0001	0.294	0.083	2.488	4.663
SIZ	1	0.00642	0.00247	6.7642	0.0093	1.006	1.004	1.035	1.040
SUN	1	-2.2982	0.1906	145.4130	0.0001	0.100	0.234	0.103	0.330
TEL	1	0.0681	0.0663	1.0550	0.3043	1.070	1.262	0.650	0.531
USL	1	0.0527	0.00985	28.6147	0.0001	1.054	1.174	1.055	1.139
WHT	1	0.2150	0.0691	9.6728	0.0019	1.240	1.349	0.679	0.528
AFEHSP	1	0.4949	0.1559	10.0751	0.0015	1.640	2.232		
AFEMAR	1	-0.1929	0.0742	6.7602	0.0093	0.825	0.731		
AGESCH	1	0.0679	0.00562	145.8680	0.0001	1.070	1.072		
BFRMRC	1	0.7893	0.2336	11.4147	0.0007	2.202	1.484		
BFRNUM	1	-0.2096	0.0448	21.9103	0.0001	0.811	1.017		
BLKRUR	1	-0.5219	0.1458	12.8112	0.0003	0.593	0.998		
CNTKID	1	0.0907	0.0186	23.8957	0.0001	1.095	1.045		
CNTMAL	1	-0.0477	0.0145	10.8366	0.0010	0.953	0.922		
CNTSCH	1	-0.1429	0.0351	16.5291	0.0001	0.867	0.999		
HSPNUM	1	-0.1257	0.0268	21.9796	0.0001	0.882	0.767		
HSPRUR	1	-0.5817	0.2312	6.3290	0.0119	0.559	0.983		
HSPWHT	1	0.5985	0.1749	11.7077	0.0006	1.819	0.907		
KIDNUM	1	-0.0655	0.0233	7.8952	0.0050	0.937	0.904		
KIDUSL	1	-0.1168	0.0186	39.5450	0.0001	0.890	0.835		
MALRUR	1	-0.1337	0.0671	3.9673	0.0464	0.875	0.737		
MALTEL	1	0.2147	0.0862	6.2078	0.0127	1.240	1.540		
MALWHT	1	0.1751	0.0612	8.1799	0.0042	1.191	1.473		
MARSCH	1	-0.4870	0.1634	8.8848	0.0029	0.614	1.181		
OWNSCH	1	2.0150	0.1630	152.7643	0.0001	7.501	7.905		
OWNTEL	1	-1.4789	0.1113	176.6804	0.0001	0.228	0.217		
AGEMUL	1	-0.00285	0.000584	23.8190	0.0001	0.997	0.998		
BFRMUL	1	0.1047	0.0509	4.2207	0.0399	1.110	1.169		
BLKMUL	1	0.1156	0.0273	17.8674	0.0001	1.123	1.212		
HSPMUL	1	0.0750	0.0351	4.5615	0.0327	1.078	1.121		
MARMUL	1	-0.1522	0.0225	45.7507	0.0001	0.859	0.760		
MFIMUL	1	-2.16E-6	6.167E-7	12.2209	0.0005	1.000	1.000		
MNCMUL	1	-0.0664	0.0260	6.5163	0.0107	0.936	1.107		
SCHMUL	1	0.2257	0.0486	21.5676	0.0001	1.253	1.573		
TELMUL	1	-0.1228	0.0355	11.9896	0.0005	0.884	0.821		
AGEREL	1	0.0108	0.000814	176.6305	0.0001	1.011	1.019		
BFRREL	1	0.6894	0.0992	48.2791	0.0001	1.993	0.874		
KIDREL	1	0.1477	0.0445	11.0282	0.0009	1.159	1.384		
MALREL	1	0.7122	0.0279	653.0075	0.0001	2.039	2.075		
MARREL	1	0.1415	0.0325	18.9533	0.0001	1.152	1.265		
NUMREL	1	0.0334	0.0109	9.4610	0.0021	1.034	1.062		
OWNREL	1	-0.1650	0.0447	13.6035	0.0002	0.848	0.885		
SCHREL	1	0.1104	0.0510	4.6897	0.0303	1.117	1.714		
USLREL	1	0.0223	0.00750	8.7988	0.0030	1.023	1.017		
BLKOWN	1	1.1201	0.0843	176.7645	0.0001	3.065	2.698		
MAROWN	1	-1.3161	0.0798	272.2501	0.0001	0.268	0.159		
MALMFI	1	-4.2E-6	1.475E-6	8.1236	0.0044	1.000	1.000		

Table 3

Variable	MIwiN HH	MIwiN FR	MIwiN RO	MIwiN FR*HH	MIwiN RO*FR	
AFE	0.001(0.002)	-0.199(0.087)	-0.155(0.019)	-0.008(0.011)	1.242(0.594)	
AGE	-0.025(0.008)	0.072(0.074)	0.085(0.010)	0.001(0.000)	-0.002(0.002)	
BFR	-5.493(0.412)	-2.753(2.098)	6.747(0.537)	4.909(0.492)	1.635(2.421)	
BLK	-0.378(0.030)	-0.040(0.109)	24.18(2.258)	0.753(0.950)	-7.025(0.948)	
CNT	-0.481(0.022)	2.473(0.569)	2.782(0.094)	0.101(0.011)	-1.630(0.389)	
HSP	-0.092(0.027)	-0.221(0.110)	21.34(4.075)	0.880(0.111)	-4.578(1.103)	
KID	0.000(0.082)	0.040(2.701)	18.50(1.099)	0.356(0.409)	0.149(14.43)	
MAL	-0.833(0.132)	7.711(3.833)	12.81(0.395)	0.602(0.306)	-26.09(9.251)	
MAR	-0.256(0.104)	-1.030(2.938)	6.008(0.262)	0.437(0.197)	3.879(5.557)	
MFI	-0.000(0.000)	-0.000(0.000)	0.000(0.000)	0.000(0.000)	0.000(0.000)	
MNC	-1.959(0.032)	-2.770(1.311)	53.27(5.451)	4.886(0.257)	-28.53(19.17)	Didn't converge
MRC	-0.288(0.066)	-11.20(12.26)	45.11(1.115)	1.805(0.513)	113.2(145.2)	
MUL	-0.036(0.007)	-0.117(0.082)	-5.545(0.547)	0.047(0.012)	0.862(0.172)	
NHH	0.160(0.012)	0.783(0.106)	0.253(0.017)	-0.013(0.001)	-0.076(0.013)	
NUM	-0.132(0.058)	2.057(0.022)	1.404(0.105)	0.057(0.022)	-0.924(0.263)	
OWN	-1.059(0.074)	-3.294(0.980)	3.488(0.254)	5.517(0.141)	6.914(1.603)	
REL	0.838(0.057)	0.212(1.475)	3.037(0.134)	-0.785(0.056)	0.595(1.533)	
RUR	0.090(0.048)	0.524(0.300)	11.60(0.934)	0.355(0.116)	-0.013(1.050)	
SCH	-0.956(0.055)	-14.41(3.632)	143.4(8.975)	4.552(0.967)	394.1(147.9)	
SIZ	-0.029(0.003)	0.005(0.021)	0.332(0.022)	0.001(0.000)	-0.005(0.002)	
SUN	0.506(0.058)	-1.206(0.264)	52.66(12.25)	2.925(0.371)	41.76(9.133)	Didn't converge
TEL	-1.781(0.457)	6.261(5.212)	3.868(0.588)	2.383(0.504)	-7.090(5.566)	
USL	-0.051(0.043)	-0.824(0.972)	1.993(0.431)	0.003(0.017)	0.162(0.400)	
WHT	-0.244(0.105)	2.601(0.891)	3.907(0.181)	0.547(0.140)	-2.758(1.079)	