



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	



Logistic Regression - HH refusal: probability of refusal  
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	0.000	0.009	0.004	0.015	0.000	0.000	0.013	0.000	0.001	0.048	0.000	0.004	0.003	0.000	0.114	0.000	0.005	0.004	0.007	0.005	0.001	0.001	0.003
, AGE ,	0.000	0.000	0.009	0.004	0.015	0.000	0.000	0.011	0.000	0.001	0.050	0.000	0.004	0.004	0.001	0.117	0.001	0.006	0.004	0.007	0.005	0.002	0.001	0.003
, BFR ,	0.009	0.009	0.009	0.013	0.029	0.009	0.009	0.020	0.009	0.010	0.060	0.009	0.014	0.012	0.009	0.124	0.009	0.015	0.013	0.016	0.014	0.011	0.010	0.012
, BLK ,	0.004	0.004	0.013	0.004	0.019	0.004	0.004	0.016	0.004	0.005	0.052	0.004	0.007	0.007	0.004	0.113	0.004	0.008	0.007	0.009	0.009	0.005	0.005	0.004
, CNT ,	0.015	0.015	0.029	0.019	0.015	0.015	0.015	0.026	0.015	0.016	0.061	0.015	0.019	0.019	0.015	0.123	0.016	0.020	0.019	0.021	0.019	0.017	0.016	0.017
, HSP ,	0.000	0.000	0.009	0.004	0.015	0.000	0.000	0.011	0.000	0.001	0.049	0.000	0.004	0.004	0.000	0.114	0.001	0.005	0.004	0.007	0.005	0.002	0.001	0.003
, KID ,	0.000	0.000	0.009	0.004	0.015	0.000	0.000	0.011	0.000	0.001	0.048	0.000	0.004	0.003	0.000	0.114	0.000	0.005	0.004	0.007	0.005	0.001	0.001	0.003
, MAL ,	0.013	0.011	0.020	0.016	0.026	0.011	0.011	0.011	0.011	0.012	0.059	0.011	0.015	0.015	0.011	0.123	0.012	0.017	0.015	0.018	0.016	0.012	0.011	0.014
, MAR ,	0.000	0.000	0.009	0.004	0.015	0.000	0.000	0.011	0.000	0.001	0.048	0.000	0.004	0.004	0.000	0.121	0.001	0.005	0.004	0.007	0.005	0.001	0.001	0.003
, MFI ,	0.001	0.001	0.010	0.005	0.016	0.001	0.001	0.012	0.001	0.001	0.049	0.001	0.005	0.004	0.001	0.118	0.001	0.006	0.005	0.007	0.006	0.002	0.002	0.004
, MNC ,	0.048	0.050	0.060	0.052	0.061	0.049	0.048	0.059	0.048	0.049	0.048	0.048	0.053	0.051	0.048	0.161	0.049	0.053	0.052	0.055	0.053	0.049	0.051	0.051
, MRC ,	0.000	0.000	0.009	0.004	0.015	0.000	0.000	0.011	0.000	0.001	0.048	0.000	0.004	0.004	0.000	0.113	0.001	0.006	0.004	0.007	0.005	0.002	0.001	0.003
, MUL ,	0.004	0.004	0.014	0.007	0.019	0.004	0.004	0.015	0.004	0.005	0.053	0.004	0.004	0.008	0.004	0.117	0.005	0.008	0.008	0.009	0.009	0.005	0.005	0.006
, NHH ,	0.003	0.004	0.012	0.007	0.019	0.004	0.003	0.015	0.004	0.004	0.051	0.004	0.008	0.003	0.004	0.117	0.004	0.009	0.007	0.010	0.008	0.005	0.005	0.006
, NUM ,	0.000	0.001	0.009	0.004	0.015	0.000	0.000	0.011	0.000	0.001	0.048	0.000	0.004	0.004	0.000	0.113	0.001	0.005	0.004	0.007	0.005	0.001	0.001	0.003
, OWN ,	0.114	0.117	0.124	0.113	0.123	0.114	0.114	0.123	0.121	0.118	0.161	0.113	0.117	0.117	0.113	0.113	0.120	0.113	0.114	0.113	0.118	0.113	0.114	0.113
, REL ,	0.000	0.001	0.009	0.004	0.016	0.001	0.000	0.012	0.001	0.001	0.049	0.001	0.005	0.004	0.001	0.120	0.000	0.006	0.004	0.008	0.005	0.002	0.001	0.003
, RUR ,	0.005	0.006	0.015	0.008	0.020	0.005	0.005	0.017	0.005	0.006	0.053	0.006	0.008	0.009	0.005	0.113	0.006	0.005	0.009	0.007	0.010	0.007	0.006	0.007
, SCH ,	0.004	0.004	0.013	0.007	0.019	0.004	0.004	0.015	0.004	0.005	0.052	0.004	0.008	0.007	0.004	0.114	0.004	0.009	0.004	0.010	0.009	0.005	0.005	0.006
, SIZ ,	0.007	0.007	0.016	0.009	0.021	0.007	0.007	0.018	0.007	0.007	0.055	0.007	0.009	0.010	0.007	0.113	0.008	0.007	0.010	0.007	0.012	0.008	0.008	0.008
, SUN ,	0.005	0.005	0.014	0.009	0.019	0.005	0.005	0.016	0.005	0.006	0.053	0.005	0.009	0.008	0.005	0.118	0.005	0.010	0.009	0.012	0.005	0.006	0.006	0.008
, TEL ,	0.001	0.002	0.011	0.005	0.017	0.002	0.001	0.012	0.001	0.002	0.049	0.002	0.005	0.005	0.001	0.113	0.002	0.007	0.005	0.008	0.006	0.001	0.003	0.004
, USL ,	0.001	0.001	0.010	0.005	0.016	0.001	0.001	0.011	0.001	0.002	0.051	0.001	0.005	0.005	0.001	0.114	0.001	0.006	0.005	0.008	0.006	0.003	0.001	0.004
, WHT ,	0.003	0.003	0.012	0.004	0.017	0.003	0.003	0.014	0.003	0.004	0.051	0.003	0.006	0.006	0.003	0.113	0.003	0.007	0.006	0.008	0.008	0.004	0.004	0.003

Interactions

Estimates

CONFOU

	Estimate	SE	Z	P	CI Lower	CI Upper
AGE	-.007	0.221	0.148	0.029	0.408	0.157
BFR	0.062	0.328	0.441	0.188	0.362	0.035
BLK	-.012	0.007	-.019	-.145	0.150	0.000
CNT	0.016	0.063	-.034	0.046	-.000	-.072
HSP	0.018	0.053	0.000	-.355	-.161	0.007
KID	0.357	0.077	-.000	0.212	-.021	-.035
MAL	0.920	-.000	-.084	0.035	-.168	-.001
MAR	0.000	0.408	0.020	0.060	-.013	0.036
MFI	0.000	-.000	-.000	-.000	-.000	-.000
MNC	-.055	-.258	0.006	0.056	-.445	-.005
MRC	0.019	-.011	0.044	0.064	0.063	-.084
MUL	0.004	0.033	2.250	0.092	0.035	-.131
NHH	0.020	-.003	0.013	0.026	-.000	0.009
NUM	0.059	0.045	0.116	-.003	0.095	0.034
OWN	-.628	-2.21	1.450	0.164	0.409	-1.91
REL	0.173	0.002	-.057	0.011	0.033	-.061
RUR	0.351	-.030	0.475	-.001	0.028	0.451
SCH	0.132	0.253	0.121	-.022	-.033	0.005
SIZ	0.005	-.002	-.010	0.135	-.079	0.497
SUN	0.093	-.401	0.004	0.004	0.004	0.004







Logistic Regression - FR refusal: probability of refusal
Main effects and confounding
Estimates

Table with columns for variables (AFE, AGE, BFR, BLK, CNT, HSP, KID, MAL, MAR, MFI, MNC, MRC, MUL, NHH, NUM, OWN, REL, RUR, SCH, SIZ, SUN, TEL, USL, WHT) and their corresponding estimates. Includes a 'CONFOU' section and a final row of symbols.

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	0.845	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	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
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, WHT, NEWP, MEAN) and rows for coefficients and adjusted P-values. Includes a CONFOU row and a summary row at the bottom.



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, NEWP, MEAN) and rows for coefficients and adjusted P-values. Includes a CONFOU row and a summary row at the bottom.



Estimates

CONFOU

	Estimate	SE	Z	P	CI
AFE	0.165	0.230	0.141	0.183	0.196
AGE	-0.006	-0.005	-0.006	-0.005	-0.003
BFR	1.570	1.601	1.575	1.595	2.057
BLK	0.528	0.507	0.550	0.521	0.484
CNT	0.316	0.312	0.384	0.312	0.315
HSP	0.230	0.173	0.234	0.270	0.192
KID	-0.357	-0.515	-0.371	-0.398	-0.372
MAL	0.854	0.765	0.779	0.790	0.758
MAR	-0.505	-0.486	-0.511	-0.441	-0.449
MFI	0.000	0.000	0.000	0.000	0.000
MNC	0.698	0.727	0.775	0.693	0.644
MRC	-0.069	-0.066	-0.022	-0.067	-0.111
MUL	0.419	0.406	0.429	0.392	0.378
NHH	-0.012	-0.012	-0.013	-0.012	-0.011
NUM	-0.230	-0.289	-0.239	-0.232	-0.224
OWN	-2.35	-2.41	-2.35	-2.31	-2.29
REL	-0.234	-0.264	-0.251	-0.229	-0.217
RUR	-0.424	-0.414	-0.441	-0.372	-0.362
SCH	0.909	0.815	0.900	0.866	0.853
SIZ	0.035	0.034	0.037	0.031	0.031
SUN	-2.01	-2.01	-2.11	-2.02	-1.88
TEL	-0.341	-0.304	-0.376	-0.260	-0.312
USL	0.083	0.074	0.091	0.081	0.063
WHT	-0.425	-0.396	-0.449	-0.080	-0.378

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
	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









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 and adjusted 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)	