

A Work Project, presented as part of the requirements for the Award of a Masters Degree in Economics from the Faculdade de Economia da Universidade Nova de Lisboa.

-Supplementary appendix-

**MIGRANT NETWORKS AND MIGRANT INTENTIONS
TO RETURN**

Francesco Cestari
Student Number: 731

A Project carried out on the Master in Economics course, with the supervision of:
Prof. Cátia Batista

Lisbon, 8th January 2016

Appendix

Table 1.a

Country of birth	Frequency	Percentage
Nigeria	291	19.52
Poland	162	10.87
India	91	6.10
South Africa	72	4.83
Others	875	58.68
Total	1,491	100

Table 1.b

VARIABLES	N	Mean	St. Dev	Min	Max
Age	1,491	32.59	8.025	18	72
Age at arrival	1,489	27.24	7.58	8	68
Years already in Ireland	1,489	5.35	2.86	0	11
Years of schooling	1,483	14.687	2.798	0	17
Individual income	1,356	1175.07	1124.56	0	10500
Household income (w/o resp.)	1,077	1127.67	1746.26	0	17500
Weakly working hours	1,375	23.42	16.94	0	70
Number of children	1491	0.94	1.25	0	7
Size of network at destination	1,446	4.261	2.656	1	14
Size of network at home	1,459	2.300	1.305	1	10
Siblings living outside Ireland	1,118	2.55	2.28	0	17
Siblings living in Ireland	1,119	0.29	0.83	0	10
Value remitted last year	1458	572.76	1675.2	0	20000
Lottery game contribution	1,271	4.22	2.81	0	10

Table 1.c

VARIABLES	Frequency	Percentage
Female	807	54.12
Married	632	42.39
Student	232	18.55
Training – no English course	718	48.51
Unemployed	126	8.45
Follows a religion	1,060	87.46
Initial intention: staying for less than five years	716	51.55
Initial intention: staying forever	150	12.27
Initial intention: staying between five and ten years	225	18.41
Initial intention: staying for less than ten years	235	19.23
Current intention: return	1,116	81.46
Current intention: return within five years	515	37.59
Current intention: return within ten years	779	56.86
Contributed to the lottery game	995	78.28
Has remitted during last year	504	34.57
Remits weekly or monthly	251	17.22

Lottery Game:

Question L014 from the survey (Batista, Narciso; 2015, Oxford WP):

“Finally, please consider what you would do in the following situation.

Imagine that you had won **100,000 Euros in the lottery**.

Almost immediately after you collect the winnings, you receive the following financial offer from a reputable bank, the conditions of which are as follows:

- There is the chance to **double the money within two years**.
- It is equally possible that you could **lose half of the amount invested within two years**.

You have the opportunity to **invest the full amount, part of the amount or reject the offer**.

L014: What share of your lottery winnings would you be prepared to invest in this financially risky, yet lucrative investment?”

Nothing, I would decline the offer	0
100 Euros	1
500 Euros	2
1,000 Euros	3
5,000 Euros	4
10,000 Euros	5
20,000 Euros	6
40,000 Euros	7
60,000 Euros	8
80,000 Euros	9
All 100,000 Euros	10
Missing [Note: Do not read the Missing.]	99

Estimation results:

The following holds for each of tables:

- The vector of controls include: gender, age, educational level, marital status, number of children, religiousness, number of years already spent in Ireland, household income (excluded the individual income of the respondent), initial intention to stay equal or less than five years, remitting behavior and risk aversion proxy.
- Robust and clustered at the enumeration area level standard errors are in parentheses:
*** p<0.01, ** p<0.05, * p<0.1

Table 2.a Network as size

VARIABLES	1	2	3	4	5	6	7	8
	Intends to return							
Network size dest	-0.0168** (0.00753)	-0.0663 (0.0426)	-0.0662 (0.0458)			-0.00553 (0.0112)	-0.0132* (0.00717)	-0.0514 (0.0474)
Network size home			-0.000790 (0.0296)	-0.0338** (0.0160)	-0.0931 (0.0640)	-0.0933 (0.0655)	-0.0274* (0.0161)	-0.114 (0.0760)
Constant	0.818*** (0.184)	0.974*** (0.253)	0.975*** (0.241)	0.827*** (0.185)	0.936*** (0.217)	0.954*** (0.210)	0.854*** (0.190)	1.154*** (0.285)
	Intends to return within 5 years							
Network size dest	-0.00436 (0.00762)	-0.00284 (0.0417)	-0.00305 (0.0444)			0.0114 (0.0102)	-0.00403 (0.00759)	0.0127 (0.0427)
Network size home			0.00152 (0.0242)	-0.00439 (0.0129)	-0.131** (0.0611)	-0.130** (0.0591)	-0.00245 (0.0127)	-0.0936* (0.0562)
Constant	0.631*** (0.170)	0.633*** (0.231)	0.631*** (0.217)	0.625*** (0.174)	0.852*** (0.226)	0.816*** (0.201)	0.634*** (0.174)	0.761*** (0.241)
	Intends to return within 10 years							
Network size dest	-0.0161 (0.00978)	-0.0471 (0.0483)	-0.0464 (0.0519)			0.00962 (0.0142)	-0.0126 (0.00998)	-0.0145 (0.0526)
Network size home			-0.00572 (0.0315)	-0.0329** (0.0160)	-0.201** (0.0810)	-0.200** (0.0778)	-0.0268 (0.0170)	-0.194*** (0.0753)
Constant	0.600*** (0.180)	0.679** (0.270)	0.687*** (0.249)	0.610*** (0.173)	0.896*** (0.257)	0.865*** (0.222)	0.636*** (0.178)	0.929*** (0.304)
Observations	752	721	721	752	711	711	752	681
Controls	YES	YES	YES	YES	YES	YES	YES	YES
FE	YES	YES	YES	YES	YES	YES	YES	YES
F-statistic on excluded instruments		22.781	22.024		31.390	28.563		10.526

Table 2.b Network as interaction term between the size and a risk indicator

VARIABLES	1	2	3	4	5	6	7	8
	Intends to return							
Network size dest*Lottery	0.0266*	-0.492	-0.478			0.142	0.0369**	-0.377
	(0.0137)	(0.707)	(0.653)			(0.129)	(0.0146)	(0.832)
Network size home*Lottery			0.270	-0.0431	-0.988	-0.690	-0.0675**	-1.143
			(0.418)	(0.0272)	(1.547)	(0.786)	(0.0284)	(1.665)
Network size dest	-0.0374***	0.363	0.358			-0.123	-0.0420***	0.280
	(0.0123)	(0.549)	(0.509)			(0.100)	(0.0128)	(0.648)
Network size home			-0.248	-0.00156	0.698	0.490	0.0247	0.801
			(0.338)	(0.0259)	(1.151)	(0.590)	(0.0255)	(1.204)
Lottery	0.00898	2.569	1.742	0.245***	2.875	1.347	0.137	5.222
	(0.0737)	(3.477)	(2.067)	(0.0791)	(4.285)	(1.563)	(0.0864)	(7.856)
Constant	0.912***	-0.931	-0.300	0.745***	-1.014	0.0641	0.854***	-2.588
	(0.191)	(2.510)	(1.491)	(0.183)	(2.843)	(1.032)	(0.189)	(5.395)
	Intends to return within 5 years							
Network size dest*Lottery	0.0280**	0.0373	0.0371			0.262	0.0283*	0.0907
	(0.0134)	(0.401)	(0.388)			(0.219)	(0.0143)	(0.483)
Network size home*Lottery			-0.00372	0.0162	-2.129	-1.401	-0.00249	-0.827
			(0.249)	(0.0261)	(3.050)	(1.280)	(0.0291)	(0.897)
Network size dest	-0.0260**	-0.0354	-0.0359			-0.206	-0.0261**	-0.0763
	(0.0124)	(0.309)	(0.301)			(0.172)	(0.0126)	(0.375)
Network size home			0.00785	-0.0165	1.573	1.047	0.000735	0.617
			(0.202)	(0.0222)	(2.270)	(0.964)	(0.0239)	(0.651)
Lottery	-0.101	-0.154	-0.142	-0.0119	5.950	2.635	-0.0968	1.894
	(0.0736)	(1.976)	(1.227)	(0.0756)	(8.449)	(2.502)	(0.0886)	(4.333)
Constant	0.730***	0.777	0.762	0.656***	-3.348	-1.078	0.728***	-0.586
	(0.183)	(1.426)	(0.891)	(0.173)	(5.632)	(1.674)	(0.181)	(2.976)
	Intends to return within 10 years							
Network size dest*Lottery	0.0217	-0.305	-0.294			0.347	0.0204	-0.151
	(0.0176)	(0.635)	(0.586)			(0.310)	(0.0181)	(1.006)
Network size home*Lottery			0.208	0.0126	-2.840	-1.929	-0.000794	-1.752
			(0.381)	(0.0275)	(4.216)	(1.804)	(0.0299)	(2.031)
Network size dest	-0.0329**	0.219	0.215			-0.279	-0.0285**	0.107
	(0.0137)	(0.492)	(0.457)			(0.243)	(0.0137)	(0.783)
Network size home			-0.189	-0.0423	2.073	1.418	-0.0253	1.265
			(0.307)	(0.0257)	(3.136)	(1.357)	(0.0268)	(1.471)
Lottery	0.00613	1.622	0.986	0.0652	7.982	3.740	0.00779	5.757
	(0.0839)	(3.126)	(1.842)	(0.0858)	(11.67)	(3.511)	(0.102)	(9.595)
Constant	0.677***	-0.503	-0.0196	0.634***	-4.708	-1.786	0.706***	-3.207
	(0.192)	(2.257)	(1.331)	(0.179)	(7.783)	(2.334)	(0.192)	(6.592)
Observations	752	721	721	752	711	711	752	681
Controls	YES	YES	YES	YES	YES	YES	YES	YES
FE	YES	YES	YES	YES	YES	YES	YES	YES
F-statistic on excluded instruments		0.818	1.063		0.455	1.180		0.242

Table 3.a Network as number of highly educated members

VARIABLES	1	2	3	4	5	6	7	8
Intends to return								
Num. highly educated dest	-0.00992 (0.00775)	-2.763 (14.94)	1.027 (2.464)			0.0268 (0.0238)	-0.00836 (0.00891)	-0.461 (1.319)
Num. highly educated home			-0.644 (1.520)	-0.0113 (0.0137)	-0.219* (0.125)	-0.186* (0.113)	-0.00987 (0.0163)	-0.684 (1.297)
Constant	0.795*** (0.186)	3.543 (14.86)	-0.0687 (2.246)	0.795*** (0.178)	0.822*** (0.192)	0.796*** (0.185)	0.812*** (0.187)	1.398 (1.662)
Intends to return within 5 years								
Num. highly educated dest	-0.00796 (0.00768)	0.386 (2.350)	-0.0791 (0.688)			0.0282 (0.0274)	-0.00638 (0.00753)	0.198 (0.605)
Num. highly educated home			0.0273 (0.425)	-0.0157 (0.0146)	-0.264* (0.136)	-0.191 (0.129)	-0.0174 (0.0159)	0.0954 (0.578)
Constant	0.603*** (0.177)	0.218 (2.330)	0.683 (0.597)	0.627*** (0.171)	0.683*** (0.214)	0.610*** (0.188)	0.610*** (0.179)	0.390 (0.732)
Intends to return within 10 years								
Num. highly educated dest	-0.0155* (0.00876)	-2.193 (12.09)	0.900 (2.171)			0.0501 (0.0400)	-0.0152 (0.00918)	-0.156 (0.884)
Num. highly educated home			-0.565 (1.339)	-0.0160 (0.0151)	-0.419** (0.197)	-0.326* (0.186)	-0.00688 (0.0174)	-0.491 (0.900)
Constant	0.514*** (0.188)	2.670 (12.01)	-0.271 (1.937)	0.552*** (0.176)	0.617** (0.255)	0.504** (0.207)	0.527*** (0.189)	0.733 (1.092)
Observations	666	637	625	731	698	624	651	598
Controls	YES	YES	YES	YES	YES	YES	YES	YES
FE	YES	YES	YES	YES	YES	YES	YES	YES
F-statistic on excluded instruments		0.035	0.202		8.871	7.687		0.090

Table 3.b Network as interaction term between the number of highly educated members and a risk indicator

VARIABLES	1	2	3	4	5	6	7	8
	Intends to return							
Num. highly educated dest*Lottery	-0.00392 (0.0164)	-9.712 (107.4)	-0.995 (1.134)			0.456 (0.531)	0.0147 (0.0196)	-2.729 (12.48)
Num. highly educated home*Lottery			0.737 (0.898)	-0.0610** (0.0275)	-1.453 (1.353)	-1.881 (2.199)	-0.0662* (0.0347)	0.237 (4.751)
Num. highly educated dest	-0.00701 (0.0160)	7.167 (79.35)	0.709 (0.818)			-0.320 (0.358)	-0.0184 (0.0184)	1.968 (9.112)
Num. highly educated dest Lottery	0.146*** (0.0534)	19.23 (211.0)	1.294 (1.226)	0.191*** (0.0539)	1.738 (1.509)	1.342 (1.440)	0.175*** (0.0546)	5.404 (28.61)
Constant	0.789*** (0.193)	-13.60 (160.1)	-0.0830 (1.087)	0.745*** (0.182)	-0.398 (1.177)	-0.0453 (1.089)	0.779*** (0.194)	-3.145 (21.38)
	Intends to return within 5 years							
Num. highly educated dest*Lottery	0.00615 (0.0141)	1.392 (15.86)	0.0550 (0.584)			0.461 (0.609)	0.0154 (0.0175)	-0.726 (3.694)
Num. highly educated home*Lottery			-0.0565 (0.472)	-0.00517 (0.0290)	-1.747 (1.546)	-1.862 (2.502)	-0.0221 (0.0348)	-0.352 (1.562)
Num. highly educated dest	-0.0125 (0.0132)	-1.036 (11.72)	-0.0462 (0.422)			-0.322 (0.408)	-0.0174 (0.0159)	0.522 (2.691)
Num. highly educated home Lottery	0.00542 (0.0490)	-2.726 (31.19)	-0.0402 (0.635)	-0.0119 (0.0288)	1.260 (1.147)	1.293 (1.759)	-0.00234 (0.0335)	0.288 (1.229)
Constant	0.612*** (0.180)	2.674 (23.66)	0.658 (0.511)	0.623*** (0.170)	-0.785 (1.340)	-0.209 (1.193)	0.615*** (0.178)	-0.759 (6.193)
	Intends to return within 10 years							
Num. highly educated dest*Lottery	-0.0156 (0.0178)	-7.680 (85.54)	-0.837 (1.051)			0.802 (0.992)	-0.0138 (0.0201)	-3.577 (16.67)
Num. highly educated home*Lottery			0.667 (0.847)	-0.00438 (0.0293)	-2.823 (2.484)	-3.328 (4.069)	0.00851 (0.0342)	-0.264 (6.322)
Num. highly educated dest	-0.00388 (0.0171)	5.659 (63.23)	0.587 (0.758)			-0.560 (0.666)	-0.00523 (0.0189)	2.581 (12.17)
Num. highly educated home Lottery	0.135** (0.0531)	15.20 (168.1)	1.021 (1.108)	0.103** (0.0515)	3.229 (2.794)	2.239 (2.666)	0.116** (0.0564)	7.637 (37.92)
Constant	0.491** (0.189)	-10.89 (127.6)	-0.206 (0.983)	0.548*** (0.177)	-1.755 (2.189)	-0.993 (2.001)	0.513*** (0.191)	-5.139 (28.39)
Observations	666	637	625	731	698	624	651	598
Controls	YES	YES	YES	YES	YES	YES	YES	YES
FE	YES	YES	YES	YES	YES	YES	YES	YES
F-statistic on excluded instruments		0.008	1.097		1.326	0.621		0.020

Table 4.a Network as working members

VARIABLES	1	2	3	4	5	6	7	8
	Intends to return							
Num working dest	-0.00691 (0.0100)	-0.0538 (0.0357)	-0.0553 (0.0359)			0.0104 (0.0176)	-0.00771 (0.0102)	-0.0319 (0.0506)
Num working home			0.0200 (0.0187)	0.00749 (0.0137)	-0.201 (0.167)	-0.212 (0.179)	0.0104 (0.0146)	-0.316 (0.222)
Constant	0.918*** (0.183)	0.923*** (0.213)	0.928*** (0.211)	0.771*** (0.175)	0.721*** (0.205)	0.871*** (0.224)	0.921*** (0.182)	0.874*** (0.288)
	Intends to return within 5 years							
Num working dest	-0.00706 (0.00916)	0.00642 (0.0309)	0.00476 (0.0309)			0.0149 (0.0191)	-0.00905 (0.00941)	0.0194 (0.0364)
Num working home			0.0220 (0.0139)	0.0219* (0.0129)	-0.282 (0.172)	-0.290 (0.195)	0.0260** (0.0129)	-0.197 (0.159)
Constant	0.689*** (0.211)	0.699*** (0.231)	0.704*** (0.231)	0.626*** (0.169)	0.549*** (0.190)	0.651*** (0.241)	0.696*** (0.211)	0.681*** (0.255)
	Intends to return within 10 years							
Num working dest	-0.0113 (0.0112)	-0.0390 (0.0371)	-0.0406 (0.0374)			0.0252 (0.0266)	-0.0122 (0.0115)	-0.00159 (0.0603)
Num working home			0.0211 (0.0173)	0.00702 (0.0154)	-0.432* (0.256)	-0.432 (0.286)	0.0121 (0.0154)	-0.456 (0.279)
Constant	0.577*** (0.216)	0.563** (0.226)	0.568** (0.226)	0.556*** (0.175)	0.431* (0.224)	0.502* (0.272)	0.580*** (0.217)	0.498 (0.311)
Observations	646	619	619	752	711	616	646	590
Controls	YES	YES	YES	YES	YES	YES	YES	YES
FE	YES	YES	YES	YES	YES	YES	YES	YES
F-statistic on excluded instruments		34.363	34.264		6.831	5.655		2.621

Table 4.b Network as interaction term between the number of working members and a risk indicator

VARIABLES	1	2	3	4	5	6	7	8
Intends to return								
Num working dest*Lottery	0.0299*	-1.935	-2.125			-0.379	0.0356**	0.329
	(0.0172)	(7.151)	(8.609)			(1.691)	(0.0170)	(1.860)
Num working home*Lottery			0.500	-0.0687**	1.380	5.476	-0.0731**	-4.291
			(2.384)	(0.0291)	(1.906)	(22.86)	(0.0348)	(11.48)
Num working dest	-0.0303*	1.497	1.637			0.240	-0.0350**	-0.224
	(0.0164)	(5.563)	(6.669)			(1.122)	(0.0157)	(1.502)
Num working home			-0.322	0.0607**	-1.054	-4.236	0.0665**	3.355
			(1.643)	(0.0249)	(1.468)	(17.71)	(0.0297)	(9.011)
Lottery	0.0424	5.943	5.687	0.244***	-2.147	-7.896	0.144**	6.424
	(0.0674)	(21.44)	(21.92)	(0.0629)	(3.174)	(33.27)	(0.0701)	(22.92)
Constant	1.008***	-4.950	-4.734	0.687***	2.448	8.042	0.916***	-4.724
	(0.196)	(21.40)	(22.10)	(0.173)	(2.460)	(29.70)	(0.208)	(21.44)
Intends to return within 5 years								
Num working dest*Lottery	0.0365**	0.548	0.601			-0.545	0.0350*	0.654
	(0.0166)	(1.851)	(2.242)			(2.246)	(0.0179)	(0.662)
Num working home*Lottery			-0.146	0.00230	1.988	7.753	0.00626	0.370
			(0.610)	(0.0299)	(2.272)	(30.34)	(0.0344)	(4.407)
Num working dest	-0.0355**	-0.433	-0.474			0.348	-0.0363**	-0.519
	(0.0152)	(1.439)	(1.736)			(1.491)	(0.0159)	(0.524)
Num working home			0.123	0.0202	-1.513	-5.992	0.0202	-0.288
			(0.417)	(0.0253)	(1.752)	(23.51)	(0.0272)	(3.453)
Lottery	-0.0904	-1.636	-1.555	0.0293	-3.257	-11.33	-0.0964	-2.613
	(0.0582)	(5.561)	(5.745)	(0.0574)	(3.794)	(44.15)	(0.0615)	(8.264)
Constant	0.797***	2.362	2.299	0.628***	3.039	10.78	0.809***	3.261
	(0.211)	(5.573)	(5.811)	(0.170)	(3.018)	(39.42)	(0.209)	(7.534)
Intends to return within 10 years								
Num working dest*Lottery	0.0414*	-1.190	-1.326			-0.775	0.0410*	0.876
	(0.0226)	(4.814)	(5.801)			(3.186)	(0.0231)	(1.651)
Num working home*Lottery			0.358	-0.00812	2.882	10.98	-0.000559	-3.145
			(1.609)	(0.0303)	(3.229)	(43.07)	(0.0363)	(9.964)
Num working dest	-0.0435**	0.915	1.015			0.499	-0.0441**	-0.659
	(0.0178)	(3.744)	(4.492)			(2.114)	(0.0179)	(1.333)
Num working home			-0.228	0.0133	-2.216	-8.508	0.0115	2.443
			(1.112)	(0.0295)	(2.489)	(33.37)	(0.0322)	(7.827)
Lottery	-0.0199	3.676	3.494	0.120*	-4.674	-15.97	-0.0180	2.759
	(0.0728)	(14.44)	(14.76)	(0.0606)	(5.394)	(62.70)	(0.0822)	(19.93)
Constant	0.700***	-3.049	-2.894	0.546***	4.041	14.83	0.701***	-1.655
	(0.214)	(14.44)	(14.91)	(0.177)	(4.302)	(56.04)	(0.217)	(18.58)
Observations	646	619	619	752	711	616	646	590
Controls	YES	YES	YES	YES	YES	YES	YES	YES
FE	YES	YES	YES	YES	YES	YES	YES	YES
F-statistic on excluded instruments		0.089	0.074		0.882	0.059		0.058

Table 5.a Network as working members living outside the household

VARIABLES	1	2	3	4	5	6	7	8
	Intends to return							
Num working not in hh dest	-0.0134 (0.0105)	-0.0589 (0.0398)	-0.0601 (0.0401)			0.00945 (0.0225)	-0.0147 (0.0107)	-0.0514 (0.0526)
Num working not in hh home			0.0214 (0.0190)	0.00749 (0.0137)	-0.201 (0.167)	-0.203 (0.171)	0.0115 (0.0140)	-0.239 (0.182)
Constant	0.749*** (0.180)	0.689*** (0.194)	0.695*** (0.191)	0.771*** (0.175)	0.721*** (0.205)	0.734*** (0.205)	0.751*** (0.179)	0.648*** (0.249)
	Intends to return within 5 years							
Num working not in hh dest	-0.0139 (0.00920)	-0.00253 (0.0371)	-0.00373 (0.0371)			0.0160 (0.0243)	-0.0170* (0.00941)	0.00677 (0.0457)
Num working not in hh home			0.0218 (0.0149)	0.0219* (0.0129)	-0.282 (0.172)	-0.286 (0.182)	0.0265** (0.0124)	-0.202 (0.136)
Constant	0.597*** (0.164)	0.621*** (0.185)	0.626*** (0.184)	0.626*** (0.169)	0.549*** (0.190)	0.571*** (0.200)	0.602*** (0.164)	0.588*** (0.209)
	Intends to return within 10 years							
Num working not in hh dest	-0.0231* (0.0130)	-0.0419 (0.0440)	-0.0429 (0.0443)			0.0268 (0.0355)	-0.0248* (0.0132)	-0.0223 (0.0682)
Num working not in hh home			0.0185 (0.0188)	0.00702 (0.0154)	-0.432* (0.256)	-0.439 (0.268)	0.0137 (0.0148)	-0.415* (0.229)
Constant	0.519*** (0.169)	0.477*** (0.180)	0.482*** (0.179)	0.556*** (0.175)	0.431* (0.224)	0.469** (0.235)	0.521*** (0.169)	0.389 (0.262)
Observations	752	721	721	752	711	711	752	681
Controls	YES	YES	YES	YES	YES	YES	YES	YES
FE	YES	YES	YES	YES	YES	YES	YES	YES
F-statistic on excluded instruments		23.410	23.656		6.831	6.185		3.373

Table 5.b Network as interaction term between the number of working members living outside the household and a risk indicator

VARIABLES	1	2	3	4	5	6	7	8
	Intends to return							
Num working not in hh dest*Lottery	0.0389* (0.0220)	-1.540 (4.808)	-1.297 (3.376)			-0.105 (0.237)	0.0468** (0.0215)	0.253 (3.687)
Num working not in hh home*Lottery			0.229 (0.819)	-0.0687** (0.0291)	1.380 (1.906)	1.509 (2.351)	-0.0789** (0.0315)	3.902 (9.343)
Num working not in hh dest	0.758*** (0.237)	0.579*** (0.216)	0.594*** (0.202)	0.755*** (0.234)	0.315 (0.434)	0.421 (0.343)	0.749*** (0.236)	0.119 (0.496)
Num working not in hh home			-0.127 (0.539)	0.0607** (0.0249)	-1.054 (1.468)	-1.142 (1.797)	0.0711*** (0.0266)	-3.001 (7.161)
Lottery	0.0759 (0.0556)	2.655 (7.810)	1.884 (4.174)	0.244*** (0.0629)	-2.147 (3.174)	-2.181 (3.542)	0.190*** (0.0685)	-6.810 (15.45)
Constant	0.807*** (0.191)	-1.617 (7.247)	-0.947 (4.057)	0.687*** (0.173)	2.448 (2.460)	2.402 (2.609)	0.725*** (0.186)	5.934 (11.81)
	Intends to return within 5 years							
Num working not in hh dest*Lottery	0.0291 (0.0202)	0.417 (1.318)	0.389 (1.081)			-0.192 (0.288)	0.0278 (0.0210)	1.134 (1.930)
Num working not in hh home*Lottery			-0.0902 (0.253)	0.00230 (0.0299)	1.988 (2.272)	2.224 (2.833)	-0.00288 (0.0317)	1.362 (6.058)
Num working not in hh dest	-0.0364** (0.0167)	-0.335 (1.014)	-0.314 (0.825)			0.102 (0.200)	-0.0383** (0.0169)	-0.899 (1.463)
Num working not in hh home			0.0828 (0.165)	0.0202 (0.0253)	-1.513 (1.752)	-1.676 (2.166)	0.0279 (0.0266)	-1.066 (4.654)
Lottery	-0.00865 (0.0494)	-0.647 (2.144)	-0.455 (1.361)	0.0293 (0.0574)	-3.257 (3.794)	-3.321 (4.279)	-0.00162 (0.0617)	-4.144 (10.32)
Constant	0.641*** (0.168)	1.245 (2.032)	1.093 (1.363)	0.628*** (0.170)	3.039 (3.018)	2.973 (3.218)	0.640*** (0.166)	4.023 (7.875)
	Intends to return within 10 years							
Num working not in hh dest*Lottery	0.0290 (0.0282)	-0.671 (2.642)	-0.540 (1.895)			-0.284 (0.417)	0.0296 (0.0282)	1.380 (4.162)
Num working not in hh home*Lottery			0.111 (0.458)	-0.00812 (0.0303)	2.882 (3.229)	3.230 (4.100)	-0.0130 (0.0302)	4.396 (12.25)
Num working not in hh dest	-0.0456** (0.0229)	0.493 (2.027)	0.388 (1.442)			0.155 (0.291)	-0.0474** (0.0224)	-1.128 (3.147)
Num working not in hh home			-0.0551 (0.301)	0.0133 (0.0295)	-2.216 (2.489)	-2.458 (3.133)	0.0229 (0.0286)	-3.421 (9.394)
Lottery	0.0679 (0.0528)	1.214 (4.297)	0.821 (2.344)	0.120* (0.0606)	-4.674 (5.394)	-4.769 (6.191)	0.0879 (0.0691)	-9.563 (20.13)
Constant	0.562*** (0.170)	-0.528 (3.998)	-0.183 (2.294)	0.546*** (0.177)	4.041 (4.302)	3.949 (4.662)	0.550*** (0.171)	8.011 (15.39)
Observations	752	721	721	752	711	711	752	681
Controls	YES	YES	YES	YES	YES	YES	YES	YES
FE	YES	YES	YES	YES	YES	YES	YES	YES
F-statistic on excluded instruments		0.130	0.198		0.882	0.679		0.094

Table 6.a Network as non-family members living outside the household

VARIABLES	1	2	3	4	5	6	7	8
	Intends to return							
Num non-fam not in hh dest	-0.0144* (0.00745)	-0.0691 (0.0446)	-0.0691 (0.0440)			0.00943 (0.0188)	-0.0114 (0.00745)	-0.0792 (0.0509)
Num non-fam not in hh home			-0.00131 (0.0275)	-0.0344* (0.0174)	-0.219 (0.168)	-0.219 (0.161)	-0.0289 (0.0178)	-0.269 (0.246)
Constant	0.816*** (0.184)	1.010*** (0.268)	1.010*** (0.262)	0.780*** (0.172)	0.855*** (0.180)	0.822*** (0.156)	0.816*** (0.179)	1.174*** (0.319)
	Intends to return within 5 years							
Num non-fam not in hh dest	-0.00428 (0.00774)	-0.00296 (0.0435)	-0.00347 (0.0424)			0.0289* (0.0154)	-0.00206 (0.00786)	-0.00809 (0.0453)
Num non-fam not in hh home			-0.0194 (0.0257)	-0.0223 (0.0139)	-0.308** (0.145)	-0.308** (0.134)	-0.0213 (0.0143)	-0.226* (0.134)
Constant	0.632*** (0.169)	0.634*** (0.246)	0.643*** (0.237)	0.625*** (0.168)	0.738*** (0.218)	0.638*** (0.182)	0.632*** (0.167)	0.752*** (0.269)
	Intends to return within 10 years							
Num non-fam not in hh dest	-0.0188* (0.0101)	-0.0491 (0.0503)	-0.0496 (0.0489)			0.0342 (0.0251)	-0.0147 (0.00999)	-0.0591 (0.0666)
Num non-fam not in hh home			-0.0198 (0.0349)	-0.0467** (0.0187)	-0.472** (0.224)	-0.472** (0.201)	-0.0396** (0.0189)	-0.465* (0.273)
Constant	0.615*** (0.181)	0.704** (0.289)	0.713** (0.277)	0.569*** (0.173)	0.721*** (0.273)	0.603*** (0.220)	0.614*** (0.179)	0.929** (0.413)
Observations	752	721	721	752	711	711	752	681
Controls	YES	YES	YES	YES	YES	YES	YES	YES
FE	YES	YES	YES	YES	YES	YES	YES	YES
F-statistic on excluded instruments		20.870	21.098		9.445	9.440		2.627

Table 6.b Network as interaction term between the number of non-family members living outside the household and a risk indicator

VARIABLES	1	2	3	4	5	6	7	8
	Intends to return							
Num non-fam not in hh dest*Lottery	0.0253* (0.0147)	-0.993 (2.096)	-1.018 (1.885)			-0.937 (6.524)	0.0255* (0.0151)	4.320 (69.92)
Num non-fam not in hh home*Lottery			0.613 (1.138)	0.00468 (0.0312)	4.174 (15.72)	7.911 (53.41)	-0.0131 (0.0300)	21.86 (323.3)
Num non-fam not in hh dest	-0.0343** (0.0133)	0.766 (1.653)	0.799 (1.507)			0.791 (5.601)	-0.0317** (0.0135)	-3.218 (52.13)
Num non-fam not in hh home			-0.553 (0.973)	-0.0380 (0.0314)	-3.219 (11.98)	-6.142 (41.29)	-0.0175 (0.0292)	-16.55 (244.0)
Lottery	-0.00427 (0.0847)	5.758 (11.83)	5.446 (9.808)	0.131** (0.0537)	-3.017 (11.87)	-0.541 (3.782)	0.00452 (0.0827)	-41.18 (641.6)
Constant	0.914*** (0.195)	-3.051 (8.141)	-2.834 (6.767)	0.783*** (0.175)	2.878 (7.996)	0.964 (1.640)	0.908*** (0.192)	28.11 (424.4)
	Intends to return within 5 years							
Num non-fam not in hh dest*Lottery	0.0311** (0.0146)	0.0663 (0.750)	0.0367 (0.717)			-1.409 (9.257)	0.0238 (0.0150)	3.883 (53.86)
Num non-fam not in hh home*Lottery			0.0452 (0.427)	0.0665** (0.0283)	6.373 (21.90)	11.83 (75.72)	0.0518* (0.0287)	15.91 (248.5)
Num non-fam not in hh dest	-0.0287** (0.0128)	-0.0587 (0.589)	-0.0332 (0.570)			1.204 (7.948)	-0.0204 (0.0131)	-2.918 (40.16)
Num non-fam not in hh home			-0.0519 (0.364)	-0.0735*** (0.0259)	-4.890 (16.69)	-9.170 (58.53)	-0.0602** (0.0265)	-12.02 (187.6)
Lottery	-0.139 (0.0901)	-0.345 (4.242)	-0.212 (3.737)	-0.0148 (0.0369)	-4.782 (16.55)	-0.936 (5.396)	-0.137 (0.0917)	-34.28 (493.9)
Constant	0.752*** (0.186)	0.905 (2.917)	0.813 (2.569)	0.661*** (0.172)	3.826 (11.18)	0.818 (2.613)	0.750*** (0.186)	23.38 (326.7)
	Intends to return within 10 years							
Num non-fam not in hh dest*Lottery	0.0221 (0.0194)	-0.538 (1.494)	-0.590 (1.401)			-2.171 (14.28)	0.0162 (0.0189)	7.922 (115.0)
Num non-fam not in hh home*Lottery			0.394 (0.848)	0.0458 (0.0331)	9.520 (33.06)	18.05 (116.8)	0.0329 (0.0332)	35.02 (532.4)
Num non-fam not in hh dest	-0.0362** (0.0150)	0.403 (1.177)	0.454 (1.118)			1.843 (12.26)	-0.0272* (0.0149)	-5.935 (85.76)
Num non-fam not in hh home			-0.369 (0.717)	-0.0819*** (0.0298)	-7.316 (25.20)	-14.00 (90.30)	-0.0643** (0.0305)	-26.47 (401.8)
Lottery	-0.0116 (0.104)	3.161 (8.442)	3.161 (7.288)	0.0747 (0.0470)	-7.098 (24.97)	-1.264 (8.291)	-0.00290 (0.102)	-71.84 (1,056)
Constant	0.701*** (0.197)	-1.497 (5.807)	-1.496 (5.027)	0.593*** (0.176)	5.335 (16.89)	0.798 (3.990)	0.694*** (0.196)	48.17 (698.5)
Observations	752	721	721	752	711	711	752	681
Controls	YES	YES	YES	YES	YES	YES	YES	YES
FE	YES	YES	YES	YES	YES	YES	YES	YES
F-statistic on excluded instruments		0.274	0.365		0.091	0.025		0.002

Table 7.a Network as number of members, which are not relatives, living outside the household

VARIABLES	1	2	3	4	5	6	7	8
	Intends to return							
Num non-relatives not in hh dest	-0.0157** (0.00779)	-0.0731 (0.0468)	-0.0727 (0.0484)			0.00578 (0.0199)	-0.0125 (0.00770)	-0.0617 (0.0563)
Num non-relatives not in hh home			-0.00594 (0.0326)	-0.0417** (0.0186)	-0.220 (0.162)	-0.229 (0.189)	-0.0352* (0.0190)	-0.178 (0.204)
Constant	0.819*** (0.184)	1.018*** (0.262)	1.018*** (0.261)	0.779*** (0.176)	0.838*** (0.191)	0.821*** (0.179)	0.818*** (0.183)	1.045*** (0.264)
	Intends to return within 5 years							
Num non-relatives not in hh dest	-0.00745 (0.00765)	-0.00313 (0.0459)	-0.000665 (0.0460)			0.0253 (0.0173)	-0.00412 (0.00774)	0.0169 (0.0487)
Num non-relatives not in hh home			-0.0385 (0.0296)	-0.0389** (0.0156)	-0.309** (0.144)	-0.348** (0.171)	-0.0367** (0.0161)	-0.237* (0.144)
Constant	0.642*** (0.172)	0.635** (0.249)	0.635*** (0.244)	0.628*** (0.170)	0.714*** (0.221)	0.641*** (0.193)	0.641*** (0.172)	0.637** (0.253)
	Intends to return within 10 years							
Num non-relatives not in hh dest	-0.0234** (0.00955)	-0.0519 (0.0528)	-0.0492 (0.0532)			0.0272 (0.0272)	-0.0180* (0.00943)	-0.0151 (0.0655)
Num non-relatives not in hh home			-0.0419 (0.0365)	-0.0690*** (0.0163)	-0.474** (0.208)	-0.516** (0.246)	-0.0596*** (0.0168)	-0.424** (0.211)
Constant	0.629*** (0.184)	0.710** (0.283)	0.711** (0.277)	0.571*** (0.174)	0.685*** (0.250)	0.606*** (0.209)	0.627*** (0.182)	0.697** (0.304)
Observations	752	721	721	752	711	711	752	681
Controls	YES	YES	YES	YES	YES	YES	YES	YES
FE	YES	YES	YES	YES	YES	YES	YES	YES
F-statistic on excluded instruments		20.924	19.633		16.450	9.802		3.110

Table 7.b Network as interaction term between the number of members, which are not relatives, living outside the household and a risk indicator

VARIABLES	1	2	3	4	5	6	7	8
	Intends to return							
Num non-relatives not in hh dest*Lottery	0.0177 (0.0154)	-1.000 (2.105)	-0.704 (1.008)			-0.337 (1.072)	0.0210 (0.0161)	-0.801 (1.342)
Num non-relatives not in hh home*Lottery			0.454 (0.699)	-0.0304 (0.0362)	4.132 (13.10)	3.619 (11.03)	-0.0471 (0.0360)	-0.0348 (3.329)
Num non-relatives not in hh dest	-0.0293** (0.0144)	0.755 (1.629)	0.537 (0.793)			0.266 (0.889)	-0.0290* (0.0147)	0.599 (1.024)
Num non-relatives not in hh home			-0.432 (0.605)	-0.0177 (0.0367)	-3.268 (10.23)	-2.887 (8.699)	0.00321 (0.0347)	-0.0407 (2.585)
Lottery	0.0391 (0.0887)	5.701 (11.68)	3.846 (5.254)	0.153*** (0.0543)	-1.924 (6.490)	0.216 (0.680)	0.0472 (0.0877)	4.682 (8.776)
Constant	0.887*** (0.196)	-3.035 (8.089)	-1.798 (3.719)	0.773*** (0.177)	1.590 (2.648)	0.186 (2.146)	0.888*** (0.196)	-2.244 (5.617)
	Intends to return within 5 years							
Num non-relatives not in hh dest*Lottery	0.0241 (0.0149)	0.0919 (0.764)	0.0824 (0.508)			-0.541 (1.587)	0.0173 (0.0149)	-0.696 (1.261)
Num non-relatives not in hh home*Lottery			0.0101 (0.348)	0.0693* (0.0379)	6.202 (18.65)	5.741 (16.21)	0.0568 (0.0380)	-1.426 (3.559)
Num non-relatives not in hh dest	-0.0260* (0.0136)	-0.0792 (0.588)	-0.0688 (0.396)			0.443 (1.314)	-0.0171 (0.0129)	0.516 (0.965)
Num non-relatives not in hh home			-0.0404 (0.301)	-0.0937*** (0.0353)	-4.885 (14.56)	-4.564 (12.79)	-0.0810** (0.0341)	1.058 (2.795)
Lottery	-0.0977 (0.0908)	-0.482 (4.247)	-0.431 (2.659)	0.00362 (0.0363)	-3.059 (9.258)	0.189 (1.077)	-0.0853 (0.0902)	4.665 (8.082)
Constant	0.734*** (0.186)	1.007 (2.940)	0.970 (1.880)	0.644*** (0.173)	1.843 (3.830)	-0.389 (3.163)	0.719*** (0.188)	-2.282 (5.151)
	Intends to return within 10 years							
Num non-relatives not in hh dest*Lottery	0.0139 (0.0191)	-0.498 (1.424)	-0.354 (0.776)			-0.802 (2.334)	0.0116 (0.0189)	-1.449 (2.470)
Num non-relatives not in hh home*Lottery			0.250 (0.538)	0.0130 (0.0406)	9.258 (27.95)	8.333 (23.86)	0.00158 (0.0409)	-1.975 (6.299)
Num non-relatives not in hh dest	-0.0341** (0.0153)	0.360 (1.100)	0.258 (0.607)			0.646 (1.933)	-0.0269* (0.0147)	1.078 (1.891)
Num non-relatives not in hh home			-0.274 (0.461)	-0.0793** (0.0377)	-7.304 (21.82)	-6.634 (18.82)	-0.0603 (0.0367)	1.434 (4.923)
Lottery	0.0352 (0.103)	2.885 (7.911)	1.970 (4.050)	0.108** (0.0445)	-4.520 (13.87)	0.415 (1.566)	0.0523 (0.0987)	9.265 (15.83)
Constant	0.682*** (0.196)	-1.308 (5.481)	-0.701 (2.871)	0.574*** (0.174)	2.370 (5.728)	-0.951 (4.654)	0.671*** (0.195)	-5.339 (10.19)
Observations	752	721	721	752	711	711	752	681
Controls	YES	YES	YES	YES	YES	YES	YES	YES
FE	YES	YES	YES	YES	YES	YES	YES	YES
F-statistic on excluded instruments		0.271	0.727		0.123	0.143		0.168

Comparison Linear Probability Model against Probit estimations:

The following tables show the comparison between different estimation strategies. Three models for each of the three different time frameworks are estimated. The first table reports the estimates for the single network at destination defined as number of network members. The second table considers the network at the country of origin only. The third table show results from the specifications that include both networks. Overall, Linear Probability Model (LPM) and Probit estimation yield very similar results, in terms of sign, magnitude and significances.

Robust and clustered standard errors are in parenthesis. There are three groups of specifications: A, B, C. Specifications A1 represent the LPM having the simple intention to return as outcome. A2 show the log-odds ratios from the Probit models. A3 column displays the Marginal effects (dy/dx) from the Probit equations. Columns B and C follow the same scheme, while differing only in the outcome. Columns B show results for the intention to return within 5 years and columns C within 10 years. Three stars indicate a significance level of 1%, two stars a significance of 5% while one star stands for a statistical significance at the 10% level.

VARIABLES	A1	A2	A3	B1	B2	B3	C1	C2	C3
Network size dest	-0.0168** (0.00753)	-0.0526* (0.0269)	-0.0151* (0.0078)	-0.00374 (0.00770)	-0.0125 (0.0308)	-0.0038 (0.0095)	-0.0151 (0.0102)	-0.0457 (0.0315)	-0.01823 (0.0125)
Constant	0.818*** (0.184)	1.145** (0.519)		0.673*** (0.181)	0.844 (0.653)		0.638*** (0.188)	0.483 (0.655)	
Observations	752	752		752	752		752	752	
Controls	YES	YES		YES	YES		YES	YES	
FE	YES	YES		YES	YES		YES	YES	
Marginal effect after Probit			0.7897			0.2374			0.5004

VARIABLES	A1	A2	A3	B1	B2	B3	C1	C2	C3
Network size home	-0.0363** (0.0161)	-0.123** (0.0547)	-0.0355*** (0.0157)	-0.00626 (0.0126)	-0.00879 (0.0510)	-0.0027 (0.0157)	-0.0354** (0.0161)	-0.113** (0.0539)	-0.0452*** (0.0215)
Constant	0.860*** (0.186)	1.168** (0.523)		0.672*** (0.185)	0.819 (0.662)		0.652*** (0.181)	0.513 (0.653)	
Observations	752	752		752	752		752	752	
Controls	YES	YES		YES	YES		YES	YES	
FE	YES	YES		YES	YES		YES	YES	
Marginal effect after Probit			0.7905			0.2374			0.5000

VARIABLES	A1	A2	A3	B1	B2	B3	C1	C2	C3
Network size dest	-0.0118 (0.00748)	-0.0396 (0.0252)	-0.0114 (0.0072)	-0.00311 (0.00760)	-0.0121 (0.0308)	-0.0037 (0.0095)	-0.0112 (0.0104)	-0.0336 (0.0317)	-0.0134 (0.0126)
Network size home	-0.0307* (0.0162)	-0.106* (0.0547)	-0.0303* (0.0156)	-0.00479 (0.0123)	-0.00267 (0.0501)	0.0008 (0.0148)	-0.0301* (0.0173)	-0.0973* (0.0569)	-0.0388* (0.0227)
Constant	0.886*** (0.191)	1.263** (0.539)		0.679*** (0.185)	0.847 (0.663)		0.677*** (0.185)	0.601 (0.656)	
Observations	752	752		752	752		752	752	
Controls	YES	YES		YES	YES		YES	YES	
FE	YES	YES		YES	YES		YES	YES	
Marginal effect after Probit			0.7913			0.2334			0.5003