

## List of appendices

### Appendix-3.1 Social capital measurement questionnaires

#### 1. Networks

1.1. If you suddenly needed a small amount of money how many people beyond your immediate household and neighborhood would be willing to provide this money?  
(Question used to estimate bridging networks)

- No one  One or two people  Three or four people  Five or more people  Any one

1.2. How many times did you go to friends/ villagers home to sit together during last month?

- Did not go  2-3 times  4-5 times  5-10 times  very frequently

1.3. How many of your neighbors/ outsiders visited in your home during last month?

- No one  2-3 times  4-5 times  5-10 times  Very frequently

1.4. To what extent do you agree with the statement? “Most of the people in this neighborhood go each others home in leisure time to sit together and discuss individual and common problems”. (Question used to estimate neighborhood bonding)

- Very strongly agree  Strongly agree  Neutral  Disagree  Strongly disagree

1.5. To what extent do you agree with the statement? “Community has better linkage with governmental officials, private services, leaders and others outside the community and gets support when they need”. (Question used to estimate linking networks)

Very strongly agree  Strongly agree Neutral  Disagree Strongly disagree

## 2. Trust

2.1. In general speaking how many people in the community could be trusted?

*(Question used to estimate thin trust)*

All the people with some exceptions  More than half of the people  Half of the people  Very few people

2.2. Generally in your opinion one have to be deal with villagers

Confidently without any doubt  Be careful to some extent  Be careful to large extent  Be very careful

2.3. Out of the following two alternatives which one you prefer to choose?

25 ropni of land with one other villager (not close relative)  10 ropni of land alone

2.4. Suppose you have some money that you can lend to your neighbor or villagers. If one villager outside your close relatives and clans came to you to borrow money what you will do?

You will give certainly without asking any detail You will try to understand

the problem that he is facing You will ask for some collateral You will tell you do not have this time

2.5. Suppose you need some money due to some emergency. How do you feel to get that amount of money outside your close relatives? (*question used to estimate thick trust*)

You can find easily You have to go close friends You need some collateral

Difficult to find

2.6. How much do you trust in different types of people? On a scale of 1 to 5 where 1 means very small extent and 5 means very great extent, how much do you trust the people in that category?

Peoples category	Trust rating				
	1	2	3	4	5
People from your own caste					
People from other caste					
Traders					
Government officials					
Teachers					
Leaders					
Strangers					
Priests					
Relatives					
Parents					
Brothers and sisters					

To a very small extent -1, To a small extent -2, Neither small nor great -3, To a great extent -4, To a very great extent -5

### 3. Collective action and cooperation

3.1. Altogether how many times in the past twelve months did you or any one else in your household participate in community activities?

No  1-2 times  3-4 times  Five times  More than five times

3.2. If there was a water supply problem in the community, to what extent people will cooperate to try to solve the problem?

Very likely  Some what likely  Some what unlikely  Very unlikely

3.3. Suppose there is difficulty with some people in neighborhood how likely is it that people in the community would get together to help them? (*Question used to estimate general cooperation*)

Very likely  Some what likely  Neither likely or unlikely  Some what unlikely  Very unlikely

3.4. If you suddenly had to go away for a day or two could your neighbors to take care of your children and livestock?

Definitely  Probably  Probably not  Definitely not

#### 4. Social Norms

4.1. Suppose some children of the village tend to stray from the correct path, for example they are disrespectful to elders; disobey their parents, mischievous etc. Who in this village feels it right to correct other peoples children? (*Question used to estimate the General ethical norms in community*)

All the villagers  Relatives and neighbors  Close relatives  only their parents

4.2. One villager faced the emergency problem of loss of bullock in cropping season how people think his problem?

His own problem and he has to solve  Problem of his family and clans

Problem of relatives  Problem of all villagers

4.3. One villager from your village saw some people are thieving fruits from a villager's fruit tree. In such case what he will do?

He will tell them not to do so  He will tell the owner immediately  He will tell the owner later  He will not care

4.4. If a community project does not benefit directly to you but has benefits for many others in the village/neighborhood, would you contribute time or money to the project?

You will feel happy to contribute time and money  That depends on the relation with those villagers  You will contribute but not with happiness

You will try to avoid

4.5. How do your family members join religious functions in the community?

With enthusiasm  As social norms  Only to respect god  Do not like to join

4.6. Social norms are ever changing, in your perception how the social norms are being changed since last ten years.

- Good social norms are increasing  Good social norms are decreasing  Bad norms are increasing  No change

## 5. Reciprocity

5.1. In social ceremonies people need many things to accomplish and in such ceremonies / events how do the villagers feel to give their goods /services? (*Question used to estimate general reciprocity*)

- All villagers feel very happy  Only few villagers feel happy  Most of the villagers feel difficult  People try to escape

5.2. How frequently people exchange seeds, breeds, equipments and services in the village.

- Highly  Moderately  Less  Very less  No

5.3. To what extent people share labor during fertilizing, intercultural operations and crop harvesting season in the village

- High  Moderate  Less  Very less  No

5.4. Did your family give seeds/ breeds or planting materials to your neighbors during last year?

- No  1-3 time  4-5 times  More than five times

5.5. Did your family get any seeds/ breeds or planting materials from your neighbor during last crop season?

- No  1-3 times  4-5 times  More than five times

## 6. Proactivity

6.1. This is the time for crop season and need to repair the irrigation canal what you will do?

You will go to ask all the villagers to go for repair  You will try to arrange necessary materials/tools for repair  You will go yourself for repair  You will wait until others to tell you to go  You will remain indifferent

6.2. To what extent do you agree with statement “All people in the village are interested to work in community development work but no one interested to go in frontline to initiate the work?” (*Question used to estimate the leadership proactivity*)

Very strongly agree  Strongly agree  Neutral  Disagree  Strongly disagree

6.3. To what extent do you agree with this statement “People from the community usually go the government offices to know the support services available for them”?

Very strongly agree  Strongly agree  Neutral  Disagree  Strongly disagree

6.4. To what extent do you agree with this statement “People from the community do not care about the development activities that are being carried in the village by different agencies?” (*Question used to estimate the civic proactivity*)

Very strongly agree  Strongly agree  Neutral  Disagree  Strongly disagree

### Appendix 3.2 AHP process for weighting six dimensions of social capital

#### Step-1: Pair wise ranking of dimensions (Judgment matrix)

Dimension	Networks	Trust	Collective action and cooperation	Reciprocity	Proactivity	Social norms
Networks	1	1/5	2/3	3/1	3/2	2/5
Trust	5/1	1	5/3	2/3	5/3	5/3
Collective action and cooperation	3/2	3/5	1	5/2	3/2	3/5
Reciprocity	1/3	3/2	2/5	1	5/2	3/5
Proactivity	2/3	3/5	2/3	2/5	1	3/7
Social norms	5/2	3/5	5/3	5/3	7/3	1

#### Step-2: Synthesis of judgments (Matrix A)

Dimensions	Networks	Trust	Collective action and cooperation	Reciprocity	Proactivity	Social norms	Total
Networks	1.000	0.200	0.667	3.000	1.500	0.400	6.767
Trust	5.000	1.000	1.667	0.667	1.667	1.667	11.667
Collective action and cooperation	1.500	0.600	1.000	2.500	1.500	0.600	7.700
Reciprocity	0.333	1.500	0.400	1.000	2.500	0.600	6.333
Proactivity	0.667	0.600	0.667	0.400	1.000	0.429	3.762
Social norms	2.500	0.600	1.667	1.667	2.333	1.000	9.767
<b>Total</b>	<b>11.000</b>	<b>4.500</b>	<b>6.067</b>	<b>9.233</b>	<b>10.500</b>	<b>4.695</b>	<b>45.995</b>

**Step-3:** Calculation of priorities using approximation method (normalized matrix, each cell is divided by respective column total to obtain the values in the cells e.g.  $1/11 = 0.091$ )

Dimensions	1	2	3	4	5	6	Total	Average weight (W)
Networks	0.091	0.044	0.110	0.325	0.143	0.085	0.798	<b>0.133</b>
Trust	0.455	0.222	0.275	0.072	0.159	0.355	1.537	<b>0.256</b>
Collective action and cooperation	0.136	0.133	0.165	0.271	0.143	0.128	0.976	<b>0.163</b>
Reciprocity	0.030	0.333	0.066	0.108	0.238	0.128	0.904	<b>0.151</b>
Proactivity	0.061	0.133	0.110	0.043	0.095	0.091	0.534	<b>0.089</b>
Social norms	0.227	0.133	0.275	0.181	0.222	0.213	1.251	<b>0.209</b>
<b>Total</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>1.000</b>	<b>6.000</b>	<b>1.000</b>

**Step-4:** Consistency measurement (consistent matrix)  $A*W$

(Each column in step 2 table is multiplied by respective row W)

Dimensions	Networks	Trust	Collective action and cooperation	Reciprocity	Proactivity	Social norms	Total	$\lambda_{\max}$ (Total/W)
Network	0.1330	0.0512	0.1084	0.4519	0.3128	0.0356	1.0929	8.215
Trust	0.6652	0.2562	0.2711	0.1004	0.1482	0.1482	1.5894	6.203
Collective action and cooperation	0.1996	0.1537	0.1627	0.3766	0.1334	0.0534	1.0793	6.635
Reciprocity	0.0443	0.3843	0.0651	0.1506	0.2224	0.0534	0.9201	6.109
Proactivity	0.0887	0.1537	0.1084	0.0603	0.0889	0.0381	0.5382	6.051
Social norms	0.3326	0.1537	0.2711	0.2510	0.2075	0.0889	1.3049	6.259
							Average $\lambda_{\max}$	6.579



$$\text{Consistency Index (CI)} = (\lambda_{\max} - n) / (n - 1)$$

Where,

n = number of criteria's under consideration, here 6 dimensions

$$\begin{aligned} \text{Consistency Index (CI)} &= (6.579 - 6) / (6 - 1) \\ &= 0.1157 \end{aligned}$$

$$\text{Consistency Ratio (CR)} = \frac{CI}{CI_r}, \text{ Where CI is consistency Index and } CI_r \text{ is random value of CI for r criteria. (Here six criteria)}$$

$$\begin{aligned} \text{Consistency Ratio (CR)} &= \frac{0.1157}{1.25} \text{ (Random value of CI for six criteria is 1.25)} \\ &= 0.0925 \end{aligned}$$

CR is acceptable as it is less than the 0.10.

**Table** Average consistency values for different order matrix and acceptable limit of CR

	Size of the matrix									
	1x1	2x2	3x3	4x4	5x5	6x6	7x7	8x8	9x9	10x10
Random CI value	0.00	0.00	0.52	0.89	1.11	1.25	1.35	1.40	1.45	1.49
Acceptable CR			<0.05	<0.09	<0.10					

**Note:** Using the same procedure questions under each dimension were weighted  
For detail refer Alphonse (1997)

**Appendix 4.1** Household characteristics in the study sites (survey result)

Name of the site	Literacy rate	Employment in agriculture Person/household	Off farm Employment Person/household	Annual income from agriculture in NRs/household	Annual gross income from vegetable farming ( NRs)/household	Annual total income NRs/household
Amargadi	0.56	4	0.43	15,428.57	12,807.1	26,014.29
Dipayal	0.66	3	0.13	13,250.00	8,062.5	14,875.00
Geta	0.85	5	0.50	91,250.00	50,000.0	109,375.0
Gurukhola	0.67	4	0.44	17,333.33	6,111.1	33,222.22
Jogbuda	0.78	5	1.00	15,500.00	4,062.5	42,125.00
khalanga	0.69	4	0.63	11,500.00	8,625.0	25,625.00
Malakheti	0.64	5	0.00	55,625.00	16,500.0	57,500.00
Pratappur	0.81	2	0.75	58,125.00	35,625.0	85,825.00
Siddhaswor	0.72	4	0.71	28,571.43	14,000.0	63,571.43
Suda	0.90	2	1.00	29,500.00	19,425.0	59,500.00
Tikapur	0.74	4	0.58	45,937.50	15,583.3	58,312.50
Bhagwati	0.71	3	0.57	15,714.29	11,428.6	45,000.00
Tilachaud	0.78	7	0.75	44,000.00	19,125.0	66,750.00
Bhatkanda	0.66	3	1.25	43,125.00	35,000.0	97,375.00
Chappari	0.66	3	0.75	19,750.00	19,000.0	53,500.00
Dehimandu	0.79	2	0.25	21,875.00	4,000.0	32,375.00
Kumali Deval Hat	0.59	2	0.29	19,750.00	14,000.0	31,750.00
Dhangadi	0.91	3	0.13	73,500.00	28,500.0	79,375.00
Dasrath Chand Municipality	0.78	1	1.25	15,125.00	8,125.0	77,000.00
Dodhara	0.77	4	0.50	50,000.00	9,125.0	83,250.00
Average	0.73	4	0.60	34,692.90	17,018.8	57,225.00

**Appendix 4.2** Household characteristics in the study sites

Name of the site	Average schooling year of the household head	Average family size	Average land holding size(ha)	Average irrigated land holding (ha)	Average potential land for vegetable farming (ha)
Amargadi	8.14	6.29	0.84	0.52	0.27
Dipayal	9.37	4.50	0.32	0.31	0.15
Geta	4.75	9.25	1.44	1.16	0.37
Gurukhola	6.77	5.11	0.57	0.18	0.11
Jogbuda	10.37	9.13	1.04	0.78	0.30
khalanga	3.75	5.63	0.90	0.29	0.16
Malakheti	4.00	8.13	1.72	1.09	0.62
Pratappur	5.75	4.75	0.74	0.74	0.28
Siddhaswor	2.57	7.00	1.36	0.29	0.46
Suda	5.25	5.88	1.07	1.02	0.75
Tikapur	9.16	7.58	1.14	0.93	0.43
Bhagwati	9.85	6.43	1.57	0.57	0.89
Tilachaud	3.00	7.88	1.38	1.22	0.35
Bhatkanda	6.62	6.38	0.43	0.18	0.23
Chappari	5.62	6.38	0.54	0.14	0.34
Dehimandu	7.12	5.50	1.01	0.23	0.10
Kumali Deval Hat	7.12	4.75	0.78	0.13	0.16
Dhangadi	5.37	4.38	0.86	0.57	0.43
Dasrath Chand Municipality	7.25	5.25	2.03	0.29	0.13
Dodhara	8.12	7.75	1.24	1.16	0.46
Average	6.56	6.41	1.04	0.60	0.35

**Appendix 4.3** Food security status in study sites

Name of the site	Enough and sell	just enough	Enough up to nine month	enough up to six month
Amargadi	0.0	14.3	71.4	14.3
Dipayal	12.5	12.5	12.5	62.5
Geta	75.0	12.5	12.5	0.0
Gurukhola	0.0	0.0	33.3	66.7
Jogbuda	12.5	62.5	12.5	12.5
khalanga	0.0	12.5	37.5	50.0
Malakheti	62.5	25.0	0.0	12.5
Pratappur	75.0	25.0	0.0	0.0
Siddhaswor	28.6	0.0	28.6	42.9
Suda	75.0	25.0	0.0	0.0
Tikapur	83.3	8.3	0.0	8.3
Bhagwati	14.3	14.3	42.9	28.6
Tilachaud	0.0	100.0	0.0	0.0
Bhatkanda	0.0	12.5	0.0	87.5
Chappari	12.5	25.0	0.0	62.5
Dehimandu	0.0	12.5	75.0	12.5
Kumali Deval Hat	0.0	0.0	0.0	100.0
Dhangadi	25.0	62.5	0.0	12.5
Dasrath Chand				
Munacipality	12.5	0.0	0.0	87.5
Dodhara	25.0	62.5	12.5	0.0
Total	27.2	24.1	16.0	32.7

**Appendix 6.1** Correlation matrix for socio economic features and dimensional indices of social capital

Variables	1	2	3	4	5	6	7	8	9	10	11
Literacy rate of the household	1										
Off farm employment	.132	1									
Annual total income NRS	.326(**)	.598(**)	1								
Land holding size ha	.140	.136	.300(**)	1							
Index of networks	.192(*)	.151	.347(**)	.095	1						
Trust Index	.169(*)	.139	.123	.182(*)	.387(**)	1					
Index of collective actions	.230(**)	.142	.367(**)	.099	.437(**)	.315(**)	1				
Index of social norms	.150	.082	.196(*)	.153	.211(**)	.226(**)	.179(*)	1			
Index of reciprocity	.197(*)	.034	.234(**)	.194(*)	.413(**)	.210(**)	.401(**)	.205(**)	1		
Index of proactivity	.135	.090	.162(*)	.109	.175(*)	.031	.253(**)	.202(**)	.172(*)	1	
Education level of the respondent	.102	.059	-.057	.030	.081	-.014	.015	.077	.120	.135	1

\*\* Correlation is significant at the 0.01 level (2-tailed) \* Correlation is significant at the 0.05 level (2-tailed).

**Appendix 6.2** Level of trust to different category of people in selected sites

Sites	New trust radius (extended trust radius)					Traditional trust radius					
	Leaders	Business man	Government officials	Strangers	Other caste people	Own caste people	Teachers	Priest	Relatives	Parents	Brothers and Sisters
Amargadi	0.37	0.54	0.71	0.26	0.49	0.71	0.74	0.69	0.71	1.00	0.86
Bhagwati	0.49	0.43	0.51	0.46	0.43	0.60	0.60	0.63	0.77	0.94	0.83
Bhatkanda	0.58	0.40	0.55	0.60	0.50	0.45	0.48	0.28	0.45	0.85	0.68
Chappari	0.50	0.50	0.58	0.40	0.48	0.63	0.58	0.53	0.78	1.00	0.75
Dasrath Chand Municipality	0.50	0.50	0.43	0.60	0.50	0.30	0.83	0.73	0.90	1.00	0.95
Dehimandu	0.58	0.55	0.50	0.55	0.50	0.38	0.53	0.63	0.63	0.95	0.95
Dhangadi	0.50	0.40	0.43	0.30	0.33	0.53	0.38	0.50	0.60	0.95	0.83
Dipayal	0.28	0.48	0.40	0.40	0.63	0.53	0.58	0.68	0.83	0.90	0.73
Dodhara	0.50	0.40	0.65	0.33	0.53	0.68	0.63	0.60	0.78	0.98	0.95
Geta	0.45	0.43	0.75	0.33	0.35	0.75	0.88	0.53	0.80	1.00	0.98
Gurukhola	0.53	0.53	0.53	0.56	0.40	0.44	0.53	0.51	0.73	0.98	0.96
Jogbuda	0.38	0.40	0.65	0.38	0.50	0.58	0.60	0.60	0.65	0.93	0.88
Khalanga	0.43	0.58	0.40	0.48	0.45	0.65	0.60	0.53	0.78	1.00	0.83
Kumali Deval Hat	0.28	0.58	0.48	0.28	0.65	0.88	0.50	0.75	0.68	1.00	0.98
Malakheti	0.43	0.50	0.50	0.45	0.45	0.35	0.53	0.58	0.50	0.65	0.65
Pratappur	0.25	0.40	0.70	0.28	0.48	0.45	0.78	0.45	0.63	1.00	0.80
Siddhaswer	0.51	0.51	0.60	0.20	0.46	0.74	0.54	0.71	0.86	1.00	1.00
Suda	0.33	0.50	0.45	0.28	0.58	0.63	0.53	0.68	0.65	1.00	0.95
Tikapur	0.25	0.40	0.55	0.28	0.50	0.65	0.68	0.43	0.60	0.93	0.83
Tilachaud	0.28	0.48	0.63	0.25	0.43	0.63	0.70	0.55	0.68	0.98	0.88
Average	0.41	0.47	0.55	0.38	0.48	0.58	0.61	0.57	0.70	0.95	0.86

Measured in five point scale 1 = very less trusted to 5 = highly trusted

**Appendix 6.3** Status of different types of network, trust, proactivity, reciprocity, cooperation and general ethical norms in sites

Sites	Thin Trust	Thick Trust	General Cooperation	General reciprocity	Reciprocity of labor	Reciprocity of seeds and breeds	Leadership proactivity	Civic proactivity	General ethical norms	Linking Networks	Bridging Networks	Bonding Network
Amargadi	0.64	0.82	0.97	0.94	0.57	0.46	0.49	0.46	0.75	0.66	0.66	0.83
Bhagwati	0.57	0.79	0.94	0.91	0.46	0.50	0.49	0.69	0.61	0.77	0.66	0.86
Bhatkanda	0.72	0.69	0.75	0.83	0.38	0.41	0.63	0.78	0.84	0.80	0.73	0.85
Chappari	0.72	0.59	0.78	0.70	0.34	0.28	0.43	0.40	0.63	0.73	0.58	0.70
Dasrath Chand Municipality	0.75	0.78	0.85	0.80	0.56	0.56	0.40	0.50	0.91	0.73	0.83	0.83
Dehimandu	0.59	0.75	0.80	0.70	0.56	0.53	0.33	0.58	0.44	0.53	0.78	0.73
Dhangadi	0.69	0.88	0.93	0.80	0.63	0.38	0.35	0.50	0.81	0.88	0.70	0.93
Dipayal	0.56	0.47	0.70	0.80	0.56	0.47	0.50	0.38	0.72	0.68	0.58	0.85
Dodhara	0.56	0.50	0.88	0.78	0.72	0.53	0.45	0.53	0.88	0.68	0.63	0.85
Geta	0.56	0.78	0.98	0.83	0.56	0.47	0.45	0.58	1.00	0.78	0.65	0.85
Gurukhola	0.53	0.58	0.98	0.80	0.44	0.36	0.42	0.42	0.50	0.62	0.73	0.62
Jogbuda	0.59	0.81	0.95	0.73	0.63	0.50	0.60	0.60	0.78	0.78	0.75	0.88
Khalanga	0.63	0.63	0.93	0.88	0.41	0.41	0.48	0.43	0.63	0.80	0.63	0.83
Kumali Deval Hat	0.63	0.69	0.98	0.73	0.75	0.72	0.43	0.45	1.00	0.78	0.68	0.80
Malakheti	0.56	0.84	0.93	0.80	0.66	0.41	0.55	0.58	0.81	0.75	0.85	0.75
Pratappur	0.72	0.84	1.00	1.00	0.88	0.81	0.33	0.68	0.78	0.85	0.90	0.90
Siddhaswer	0.64	0.75	0.91	0.80	0.39	0.39	0.43	0.60	0.46	0.71	0.83	0.71
Suda	0.69	0.69	0.83	0.78	0.63	0.53	0.48	0.68	0.84	0.80	0.70	0.78
Tikapur	0.60	0.69	0.85	0.73	0.65	0.58	0.37	0.67	0.75	0.73	0.58	0.75
Tilachaud	0.72	0.78	0.98	0.93	0.44	0.47	0.40	0.50	0.53	0.70	0.80	0.73
Average	0.61	0.71	0.89	0.81	0.56	0.49	0.45	0.55	0.73	0.74	0.71	0.80

### Appendix 7.1 Correlation matrix for adoption index and social capital expressions

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	28	19
Index of networks	1																		
Trust Index	.387**	1																	
Index of collective actions	.437**	.315**	1																
Index of social norms	.211**	.226**	.179*	1															
Index of reciprocity	.413**	.210**	.401**	.205**	1														
Index of proactivity	.175*	.031	.253**	.202**	.172*	1													
Bridging Networks	.736**	.415**	.243**	.029	.347**	.004	1												
Bonding Network	.457**	.220**	.202**	.138	.169*	.212**	.155*	1											
Linking Networks	.351**	.173*	.136	.146	.114	.145	.071	.272**	1										
Thin Trust	.277**	.687**	.257**	.122	.136	.068	.236**	.189*	.183*	1									
Thick Trust	.113	.283**	-.028	.067	.189*	-.009	.167*	.099	.025	.009	1								
General cooperation	.261**	.354**	.604**	.095	.333**	.255**	.257**	.282**	.078	.234**	.108								
Leadership proactivity	-.075	-.184*	-.088	.074	-.236**	.475**	-.088	-.045	-.115	-.126	-.025	-.195*	1						
Civic proactivity	.196*	-.021	.260**	.070	.297**	.660**	.064	.159*	.005	-.044	.021	.224**	.143	1					
General ethical norms	.196*	.178*	.240**	.801**	.254**	.239**	.005	.099	.179*	.106	.030	.244**	.065	.006	1				
Trust in extended radius	-.039	-.028	.011	.034	-.204**	-.017	-.007	.105	-.018	-.108	-.010	-.197*	.097	-.010	-.045	1			
Trust in traditional radius	.137	.118	.038	.025	.078	-.051	.189*	.146	.013	.131	-.027	.018	-.030	-.051	.032	.232**	1		
Social capital index	.689**	.692**	.654**	.638**	.571**	.351**	.482**	.361**	.284**	.479**	.191*	.380**	-.069	.268**	.567**	-.045	.107	1	
Adoption index	<b>.075</b>	<b>-.084</b>	<b>.099</b>	<b>.202**</b>	<b>-.034</b>	<b>-.011</b>	<b>-.014</b>	<b>-.055</b>	<b>.138</b>	<b>-.083</b>	<b>-.027</b>	<b>.068</b>	<b>.005</b>	<b>-.032</b>	<b>.246**</b>	<b>.129</b>	<b>-.114</b>	<b>.082</b>	1

\*\* Correlation is significant at the 0.01 level (2-tailed). \* Correlation is significant at the 0.05 level (2 tailed)



## Curriculum vitae

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### Academic background

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