REPORT

A LANGUAGE AUDIT

SECTION 1: DESCRIPTIVES

One hundred and ninety-six people participated in the language audit survey. More than fifty percent of them were female (F = 54.6%; M = 45.4%), and the average age of participants was 42 years with a minimum of 17 years and a maximum of 88 years.

Sex (N = 196)		Frequency		Percentage	
Male		89		54.6	
Female	è	107		45.4	
(N = 194)	Minimum	Maximum]	Mean	Standard Deviation
Age	17	88		41.63	12.63

More than seventy percent of the participants were residents of Trinidad (Trinidad = 73.52%, Tobago = 26.5%). Of the 52 participants from Tobago, more than eighty percent resided in west Tobago, and of the participants in Trinidad, the majority resided in west Trinidad (Port of Spain = 57.64% and Diego Martin = 12.5%). Overall, the majority of the participants originated from Europe (42.9%), South America (33.7%) or Asia (39%).

Location (N = 196)	Frequency	Percentage
Trinidad	144	73.5
Tobago	52	26.5
LAI	NGUA	GE
Tobago Location	Frequency	Percentage
East Tobago	6	11.5
West Tobago	45	86.5

Trinidad Location (N = 144; 2 missing)	Frequency	Percentage
Arima	1	.69
Chaguanas	5	3.47
Diego Martin	18	12.5
Port of Spain	83	57.64
San Fernando	2	1.39

Sangre Grande	1	.69
San Juan/Laventille	10	6.94
Tunapuna/Piarco	22	15.27

Continent of Birth ($N = 196$)	Frequency	Percentage
Africa	4	2.0
Asia	39	19.9
Australia	1	0.5
Europe	84	42.9
North America	2	1.0
South America	66	33.7

In terms of education, more than sixty percent of the participants had a bachelor's degree or higher, while about twenty-two percent had only high school education or less. About eight-five percent of participants were employed, of which about thirty-three percent were self-employed.

Educational Level	Frequency	Percentage
Primary	11	0.5
Secondary	44	22.4
Associate degree	26	13.3
Bachelor's degree	57	29.1
Postgraduate diploma	1	0.5
Master's degree	46	23.5
MPhil	4	2.0
PhD	12	6.1
Other	5	2.6
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Economic Status (N = 196; 1 missing)	Frequency	Percentage
Employee	100	51.3
Self-employed (no employees)	28	14.4
Self-employed (with employees)	28	14.4
Student and employed	11	5.6
Student and not employed	5	2.6
Retired	7	3.6

Household duties	14	7.2
Not employed and not engaged in household duties	1	0.5
Volunteer	1	0.5



SECTION 2: LANGUAGES PRESENT

There are 40 foreign languages present in Trinidad and Tobago. Twenty-three of these are considered to be mother tongues. These are Arabic, Catalan, Chinese Cantonese, Chinese Mandarin, Dutch, English, French, Finnish, German, Hindi, Italian, Japanese, Korean, Kreyol (Haiti), Lebanese Arabic, Malagasy, Portuguese, Serbian, Spanish, Swedish, Swiss German, Tamil and Quechua. Of these, Catalan, Finnish, Korean, Kreyol, Lebanese Arabic, Malagasy, Quechua, Serbian, Swiss German and Tamil are present as mother tongues only. The other 17 languages are Afrikaans, Bahasa Indonesia, Basque, Bislama, Croatian, Danish, Estonian, Fijian, French Creole, Greek, Hebrew, Latin, Norwegian, Pijin, Russian, Romanian and Sinhala.

Language (N = 196)	Frequency Mother Tongue & Other Language	Frequency Mother Tongue Only	Language	Frequency Mother Tongue & Other Language	Frequency Mother Tongue Only
Afrikans	1	0	Hindi	4	2
Arabic	<mark>18</mark>	<mark>12</mark>	Italian	<mark>34</mark>	9
Bahasa Indonesia	1	0	Japanese	12	11
Basque	1	0	Korean	9	9
Bislama	1	0	Kreyol	4	4
Catalan	1	1	Latin	1	0
Chinese Cantonese	7	2	Lebanese Arabic	1	1
Chinese Mandarin	10	4	Malagasy	1	1
Croatian	1	0	Norwegian	2	0
Danish	2	0	Pijin	1	0
Dutch	5	4	Portuguese	<mark>25</mark>	3
English	196	10	Quechua	1	1
Estonia	1	0	Romanian	1	0
Fijian	1	0	Russian	3	0
Finnish	4	4	Serbian	1	1
French	<mark>87</mark>	<mark>29</mark>	Sinhala	1	0
French Creole	3	0	Spanish	<mark>120</mark>	<mark>62</mark>
German	<mark>51</mark>	<mark>32</mark>	Swedish	5	2
Greek	1	0	Swiss German	1	1
Hebrew	1	0	Tamil	1	1

The top three languages present in Trinidad and Tobago are Spanish (61.2%; n = 120), French (44.4%; n = 87) and German (26.0%; n = 51). Other languages present with a high frequency are Italian (17.3%; n = 34), Portuguese (12.8%; n = 25) and Arabic (9.2%; n = 18).

More than sixty-five percent (68.8%) of the sample speak either two or three languages. Overall, the average number of languages spoken by the respondents is three, with a minimum of two, and a maximum of eight languages. On average, people born in Europe speak the most number of languages. Analysis reveals, however, that there is no association between the number of languages spoken and country of birth (r = 0.006; p = 0.136).

Frequency	Percentage
72	<mark>36.7</mark>
63	<mark>32.1</mark>
33	16.8
16	8.2
9	4.6
2	1.0
1	0.5
	72 63 33

Continent of Birth	Ν	Min.	Max.	Mean	Standard Deviation
Africa	4	3	4	3.25	0.500
Asia	39	2	6	2.67	1.009
Australia	1	2	2	2.00	-
Europe	84	2	8	<mark>3.64</mark>	<mark>1.377</mark>
North America	2	2	2	2.00	0.000
South America	66	2	6	2.91	1.019
			-		

	Minimum	Maximum	Mean			
Number of Languages Spoken	2	8	<mark>3.17</mark>			
& COMPETITIVENESS						

SECTION 3: CONTEXTS USED

The top five languages — Spanish, French, German, Italian and Portuguese — are used in all settings along with English, Finnish, Japanese, Korean, Norwegian and Swedish. Of these eleven languages, all languages besides Norwegian are present as both mother tongues and as second languages; Norwegian is present as a second language only.

Of the top five languages, Portuguese is the only language that is used mostly for educational purposes; the others (French, German, Italian and Spanish), are used mainly for work, consuming goods and service, and using computer and electronic applications. English is used mostly for work, consuming goods and services and when using computerized and electronic applications (>90%).

Chinese Catalan, Chinese Mandarin, and Dutch are used in all settings except for religious activities.

Bislama, Croatian, Danish, Estonia, Hindi, Pijin, and Russian are used, at least, in work settings. Of these, Hindi is the only language present as a mother tongue and a second language; all other languages are present as a second language only. A foreign resident in Trinidad and Tobago, therefore, not only uses his mother tongue in work settings but sometimes, other languages he/she may know. Other than for work purposes, Bislama, Croatian, Pijin and Russian are used for educational purposes only; Danish for using the computer and electronic applications only, and Hindi for both.

Basque, Catalan, Fijian, Kreyol, Lebanese Arabic, Malagasy, Serbian, Sinhala, and Tamil are used, at least, in family settings. Basque, Fijian, and Sinhala are only present as second languages; all other languages are present as both mother tongues and second languages. Along with the family setting, these languages are used in no more than one setting: either religious activities (Basque and Serbian) or when using computers and electronic applications (Fijian, Kreyol, Lebanese Arabic, Malagasy, Sinhala and Tamil).

Afrikaans, Bahasa Indonesia, Greek, Quechua and Romanian are not used in any of the proposed settings. Arabic is the only top language that is not used in an educational setting. Hebrew is the only language used for religious activities only. Latin is the only language used solely for educational purposes.

Percentage Use of Each Language in Various Contexts	Family Settings (FS)	Work Settings (WS)	Educational Settings (ES)	Good and Services (G&S)	Religious Activities (RA)	Computerized and Electronic Applications (C&E)
Afrikaans	0	0	0	0	0	0
Arabic	72.2	38.5	0	22.2	64.7	50
Bahasa Indonesia	0	0	0	0	0	0
Basque	100	0	0	0	100	0
Bislama	0	100	100	0	0	0
Catalan	100	0	0	0	0	0

Percentage Use of Each Language in Various Contexts	Family Settings (FS)	Work Settings (WS)	Educational Settings (ES)	Good and Services (G&S)	Religious Activities (RA)	Computerized and Electronic Applications (C&E)
Chinese Cantonese	57.1	66.7	33.3	57.1	0	85.7
Chinese Cantonese	57.1	66.7	33.3	57.1	0	85.7
Chinese Mandarin	70	100	57.1	70	0	90
Croatian	0	100	100	0	0	0
Danish	0	100	0	0	0	100
Dutch	100	50	50	40	0	80
English	67.4	97.8	71.3	98	71.8	96.9
Estonian	0	100	0	0	0	0
Fijian	100	0	0	0	0	100
Finnish	100	75	66.7	50	25	100
French	43	53.2	35.7	28.4	14.5	53.4
French Creole	33.3	33.3	33.3	0	0	100
German	65.3	66	29.8	37.7	19.0	64.2
Greek	0	0	0	0	0	0
Hebrew	0	0	0	0	100	0
Hindi	0	25	50	0	0	75
Italian	43.3	42.4	26.7	33.3	10.7	36.4
Japanese	66.7	50	30	41.7	18.2	75
Korean	100	37.5	66.7	12.5	80	100
Kreyol	100	0	0	0	0	100
Latin	0	0	100	0	0	0
Lebanese Arabic	100	0	0	0	0	100
Malagasy	100	0	0	0	0	100
Norwegian	100	100	100	100	100	100
Pijin	0	100	100	0	0	0
Portuguese	34.6	44	47.8	23.1	5	38.5
Quechua	0	0	0	0	0	0
Romanian	0	0	0	0	0	0
Russian	0	66.7	66.7	0	0	0
Serbian	100	0	0	0	100	0
Sinhala	100	0	0	0	0	100

Percentage Use of Each Language in Various Contexts	Family Settings (FS)	Work Settings (WS)	Educational Settings (ES)	Good and Services (G&S)	Religious Activities (RA)	Computerized and Electronic Applications (C&E)
Spanish	61.4	69.3	46.2	43.3	28.6	67.8
Swedish	50	75	33.3	25	25	75
Swiss German	100	100	0	0	100	100
Tamil	100	0	0	0	0	100

All Settings	All but RA	All but ES	At least FS	At least WS
At least FS and WS	Only RA	Only ES	None	



SECTION 4: ABILITY TO SPEAK LANGUAGES

For languages present as a second language only:

People with Afrikaans, Bislama, Croatian, Norwegian, Pijin, Romanian and Sinhala as second languages, rate their ability to speak them as very good, and languages such as Greek, Hebrew or Latin are spoken poorly or very poorly.

For languages present as both a mother tongue and a second language:

English as a second language is spoken very well or well by about eighty-three percent of the speakers (very well = 49.5%; well = 33.3%). In total, only about four percent of its speakers speak poorly or very poorly.

With the exception of Arabic, Dutch, English and German, all the languages present as mother tongues are spoken very well. Arabic, Dutch, English and German are spoken very well or well.

Chinese Mandarin, Dutch and Swedish are the only languages spoken from very well to averagely as second languages.

For speakers of French or German as a second language, the proportion of people who speak either very well or well is less than the proportion who speak either, very poorly or poorly (French: very good/good = 27.2%, very poor/poor = 42.3%; German: very good/good = 15%, very poor/poor = 50%). For French and German also, more people speak either averagely than very well or well (French: average = 30.5%, German: = 35%).

For Italian and Spanish as a second language, the proportions who speak very well/well and very poorly/poorly are almost the same (Italian very good/good =42.3%, very poor/poor = 38.4%; Spanish very good/good = 33.3%, very poor/poor = 38.6%)

				Speak		
Languages		Very Good	Good	Average	Poor	Very Poor
Afrikaans	MT					
	OL (1)	1(100%)	0	0	0	0
Arabic	MT (12)	11 (91.7%)	1 (8.3%)	0	0	0
X	OL(7)	2 (28.6%)	1 (14.3%)	1(14.3%)	2 (28.6%)	1(14.3%)
Bahasa Indonesia	MT					
	OL (1)	0	0	1(100%)	0	0
Basque	MT					
	OL (1)	0	0	1 (100%)	0	0
Bislama	MT					
	OL (1)	1 (100%)	0	0	0	0
Catalan	MT (1)	1 (100%)	0	0	0	0
	OL					
Chinese Cantonese	MT (2)	2 (100%)	0	0	0	0
	OL (4)	0	4 (66.7%)	0	0	2 (33.3%)
Chinese Mandarin	MT (4)	4 (100%)	0	0	0	0
	OL (7)	2 (28.6%)	5 (71.4%)	0	0	0
Croatian	MT					
	OL (1)	1 (100%)	0	0	0	0

				Speak		
Languages		Very Good	Good	Average	Poor	Very Poor
Danish	MT	,				
	OL (2)	1 (50.0%)	1 (50.0%)	0	0	0
Dutch	MT (4)	3 (75.0%)	1 (25.0%)	0	0	0
	OL (1)	1 (100%)	0	0	0	0
English	MT (10)	8 (80.0%)	2 (20.0%)	0	0	0
8	OL (186)	92 (49.5%)	62 (33.3%)	26 (14%)	5 (2.7%)	1 (.5%)
Estonian	MT		<u> ((</u>		0 (20070)	
2.000111411	OL (1)	0	0	1 (100%)	0	0
Fijian	MT	<u> </u>		1 (10070)		, , , , , , , , , , , , , , , , , , ,
I IJIUII	OL (1)	0	0	1 (100%)	0	0
Finnish	MT	4 (100%)	0	0	0	0
1 ministr	OL	4 (10070)	0	0	0	0
French	MT (29)	29 (100%)	0	0	0	0
TTCHCH	OL (59)	8 (13.6%)	8 (13.6%)	18 (30.5%)	15 (25.4%)	10 (16.9%)
French Creole	MT	8 (15.070)	0(15.070)	18 (30.370)	15 (25.470)	10 (10.970)
r tenen Creole	OL (3)	2 (66.7%)	0	1 (33.3%)	0	0
German	MT (32)	2 (00.7%) 30 (93.8%)	2 (6.3%)	0	0	0
German	OL (20)	1 (5.0%)	2 (0.3%)	7 (35.0%)	5 (25.0%)	5 (25.0%)
Greek	MT	1 (3.0%)	2 (10.0%)	7 (33.0%)	3 (23.0%)	3 (23.0%)
Greek		0	0	0	1 (1000/)	0
TT 1	OL (1)	0	0	0	1 (100%)	0
Hebrew	MT	0	0	0	0	1 (1000()
XX: 1	OL (1)	0	0	0	0	1 (100%)
Hindi	MT (2)	2 (100%)	0	0	0	0
X 11	OL (2)	0	0	0	1 (50.0%)	1 (50.0%)
Italian	MT (9)	9 (100%)	0	0	0	0
	OL (26)	4 (15.4%)	7 (26.9%)	5 (19.2%)	5 (19.2%)	5 (19.2%)
Japanese	MT (11)	11 (100%)	0	0	0	0
	OL (1)	0	0	0	1 (100%)	0
Korean	MT (9)	9 (100%)	-0	0	0	0
	OL					
Kreyol	MT (4)	4 (100%)	0	0	0	0
	OL					
Latin	MT					
	OL (1)	0	0	0	1 (100%)	0
Lebanese Arabic	MT (1)	1 (100%)	0	0	0	0
	OL					
Malagasy	MT (1)	1 (100%)	0			0
	OL					
Norwegian	MT					
	OL (2)	2 (100%)	0	0	0	0
Pijin	MT					
-	OL (1)	1 (100%)	0	0	0	0
Portuguese	MT	3 (100%)	0	0	0	0
-	OL (23)	6 (26.1%)	8 (34.8%)	3 (13.0%)	4 (17.4%)	2(8.7%)
Quechua	MT (1)	1 (100%)	0	0	0	0
-	OL					
Romanian	MT					
	OL (1)	1 (100%)	0	0	0	0
Russian	MT		-		-	
	OL (3)	1 (33.3%)	0	1 (33.3%)	0	1 (33.3%)
Serbian	MT (1)	1 (100%)	0	0	0	0
~ vi ciuli		1 (100/0)	v	0	v	v

				Speak		
Languages		Very Good	Good	Average	Poor	Very Poor
	OL					
Sinhala	MT					
	OL (1)	1 (100%)	0	0	0	0
Spanish	MT (62)	62 (100%)	0	0	0	0
	OL (57)	10 (17.5%)	9 (15.8%)	16 (28.1%)	19 (33.3%)	3 (5.3%)
Swedish	MT (2)	2 (100%)	0	0	0	0
	OL (3)	1 (33.3%)	1 (33.3%)	1 (33.3%)	0	0
Swiss German	MT (1)	1 (100%)	0	0	0	0
	OL					
Tamil	MT (1)	1 (100%)	0	0	0	0
	OL					



SECTION 5: ABILITY TO WRITE LANGUAGES

For languages present as a second language only:

People with Afrikaans, Croatian, Norwegian, Romanian and Sinhala as second languages rated their ability to write as very good. People with Bislama, Latin and Pijin as second languages rated their ability to write as good, and people with Danish as a second language rated their ability to write as very good or good. People with Hebrew as a second language do not write it. Languages such as Greek are written very poorly. Russian is written very well, poorly or very poorly, while participants rate their ability to write other languages present as second languages as only average.

For languages present as both a mother tongue and a second language:

More than seventy-five percent of participants rate their ability to write English as very good or good (very good = 50%, good = 25.8%). Only about seven percent rate their ability to write English as poor or very poor (poor = 4.3%; very poor = 2.2%). The proportion of people who rated their ability to speak English as very good or good was higher than those who rated their ability to write English as very good or good.

All languages present as mother tongues except Arabic, Chinese Cantonese, Chinese Mandarin, Dutch and German are written very well; Chinese Mandarin, Chinese Cantonese, Dutch and German are written very well or well, and Arabic is written very well or poorly.

As with the spoken component, for French or German as a second language, the proportion of people who rate their ability to write as very good or good is less than the proportion who rate their ability to write as very poor or poor (French: very good/good = 24.6%, very poor/poor = 47.4%; German: very good/good = 15%, very poor/poor = 55%). For French and German also, more people speak averagely than very well or well (French: average = 28.1%, German: = 30%).

For Italian as a second language, the proportion of people who rated their ability to write as very good or good is less than the proportion who rated their ability to write as poorly or very poorly (very good/good = 30.8%, very poor/poor = 42.3%). With Italian though, the proportion who rate their ability to write as average is slightly less than the proportion who write very well or well (average = 26.9%).

For Portuguese as a second language, the proportion who rate their ability to write as very good or good is higher than the proportion who rate their ability to write as very poor or poor (very good/good = 34.7%, very poor/poor = 20.4%). The proportion who rate their ability to write as average is almost equal to the proportion who write well or very well (average = 34.8%).

For Spanish as a second language, the proportion who rate their ability to write as very good or good is almost the same as the proportion who rate their ability to write as poor or very poor (very good/good = 36.8%, poor/very poor = 38.6%). The proportion who write averagely is less than both proportions previously stated (average = 24.6%).

		Write				
Languages		Very Good	Good	Average	Poor	Very Poor
Afrikaans	MT					
	OL (1)	1 (100%)	0	0	0	0
Arabic	MT (12)	11 (91.7%)	0	0	1 (8.3%)	0

				Write		
Languages		Very Good	Good	Average	Poor	Very Poor
0	OL (5)	1 (20.0%)	2 (40.0%)	1 (20.0%)	0	1 (20.0%)
Bahasa Indonesia	MT	, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,			
	OL (1)	0	0	1 (100%)	0	0
Basque	MT			,		
1	OL (1)	0	0	1 (100%)	0	0
Bislama	MT			,		
	OL (1)	0	1 (100%)	0	0	0
Catalan	MT (1)	1 (100%)	0	0	0	0
	OL					
Chinese Cantonese	MT (2)	1 (50.0%)	1 (50.0%)	0	0	0
	OL (6)	1 (16.7%)	2 (33.3%)	1 (16.7%)	1 (16.7%)	1 (16.7%)
Chinese Mandarin	MT (4)	3 (75.0%)	1 (25.0%)	0	0	0
	OL (7)	1 (14.3%)	4 (57.1%)	1 (14.3%)	1 (14.3%)	0
Croatian	MT	, , , , , , , , , , , , , , , , , , ,				
	OL (1)	1 (100%)	0	0	0	0
Danish	MT					
	OL (2)	1 (50.0%)	1 (50.0%)	0	0	0
Dutch	MT (4)	3 (75.0%)	1 (25.0%)	0	0	0
	OL (1)	1 (100%)	0	0	0	0
English	MT (2)	8 (80.0%)	1 (10.0%)	1 (10.0%)	0	0
Ũ	OL (186)	93 (50.0%)	48 (25.8%)	33 (17.7%)	8 (4.3%)	4 (2.2%)
Estonian	MT					
	OL (1)	0	0	0	1 (100%)	0
Fijian	MT					
J	OL (1)	0	0	1 (100%)	0	0
Finnish	MT (4)	4 (100%)	0	0	0	0
	OL					
French	MT (29)	29 (100%)	0	0	0	0
	OL (57)	8 (14.1%)	6 (10.5%)	16 (28.1%)	14 (24.6%)	13 (22.8%)
French Creole	MT					
	OL (3)	1 (33.3%)	0	2 (66.7%)	0	0
German	MT (32)	30 (93.8%)	2 (6.3%)	0	0	0
	OL (20)	1(5.0%)	2 (10.0%)	6 (30.0%)	6 (30.0%)	5 (25.0%)
Greek	MT					
	OL (1)	0	0	0	0	1 (100%)
Hebrew	MT					
0	OL			_		
Hindi 🚫	MT (2)	2 (100%)	0	0	0	0
	OL (1)	0	0	0	0	1 (100%)
Italian	MT (9)	9 (100%)	0	0	0	0
	OL (26)	4 (15.4%)	4 (15.4%)	7 (26.9%)	6 (23.1%)	5 (19.2%)
Japanese	MT (11)	11 (100%)	0	0	0	0
	OL (1)	0	0	0	1 (100%)	0
Korean	MT (9)	9 (100%)	0	0	0	0
	OL					
Kreyol	MT (4)	4 (100%)	0	0	0	0
	OL					
Latin	MT					
	OL (1)	0	1 (100%)	0	0	0
Lebanese Arabic	MT (1)	1 (100%)	0	0	0	0
	OL					

				Write		
Languages		Very Good	Good	Average	Poor	Very Poor
Malagasy	MT (1)	1 (100%)	0	0	0	0
	OL					
Norwegian	MT					
	OL (2)	2 (100%)	0	0	0	0
Pijin	MT					
	OL (1)	0	1 (100%)	0	0	0
Portuguese	MT (3)	3 (100%)	0	0	0	0
	OL (23)	5 (21.7%)	3 (13.0%)	8 (34.8%)	4 (17.4%)	3 (13.0%)
Quechua	MT (1)	1 (100%)	0	0	0	0
	OL					
Romanian	MT					
	OL (1)	1 (100%)	0	0	0	0
Russian	MT					
	OL (3)	1 (33.3%)	0	0	1 (33.3%)	1 (33.3%)
Serbian	MT (1)	1 (100%)	0	0	0	0
	OL					
Sinhala	MT					
	OL (1)	1 (100%)	0	0	0	0
Spanish	MT (62)	62 (100%)	0	0	0	0
	OL (57)	8 (14.0%)	13 (22.8%)	14 (24.6%)	15 (26.3%)	7 (12.3%)
Swedish	MT (2)	2 (100%)	0	0	0	0
	OL (3)	1 (33.3%)	1 (33.3%)	1 (33.3%)	0	0
Swiss German	MT (1)	1 (100%)	0	0	0	0
	OL					
Tamil	MT(1)	1 (100%)	0	0	0	0
	OL					
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SECTION 6: EDUCATIONAL AND ECONOMIC STATUS

The people who speak Arabic are the only group with a proportion who had less than high school education. More than fifty-five percent of the Arabic subsample had high school education only (55.6%), while more than sixty-five percent of the subsample was economically active (66.7%). Seventy-five percent of people who speak Kreyol had completed high school education only. The sample contained one person each who spoke Estonian, Hebrew, Lebanese Arabic, Sinhala, Tamil and Quechua; these people only had high school education and all except the people who speak Hebrew and Lebanese Arabic were economically active. Afrikaans, Bahasa Indonesia, Basque, Bislama, Catalan, Croatian, Fijian, Greek, Latin, Malagasy, Pijin, Romanian, Serbian, and Swiss German each were spoken by only one person. These people had bachelor's degrees or higher except for the person who spoke Swiss German who had an associate degree, and all the speakers, except those who spoke Bislama, Catalan and Pijin, were economically active.

For languages such as French, German, Italian, Japanese, Korean, Portuguese and Spanish, more than sixty percent of the respective subsamples had bachelor's degrees and higher (French = 70%, German = 62.7%, Italian = 70.6%, Japanese = 83.1%, Korean = 66.7%, Portuguese = 84%, Spanish = 72.6%). For these languages, except Japanese, more than eighty percent of each subsample was economically active (French = 83.9%, German = 88.2%, Italian = 97.1%, Korean = 88.9%, Portuguese = 92%, Spanish = 90%); for Japanese, only fifty percent of the subsample was economically active; otherwise, they were engaged in household duties. For the aforementioned languages the proportion of people who are self-employed is noteworthy. More than twenty percent of each subpopulation was self-employed and for Korean specifically, more than fifty-five percent was self-employed (French = 25.3%, German = 37.3%, Italian = 38.2%, Korean = 55.5%, Portuguese = 24%, Spanish = 25.9%).



	Educational Status		Economic Status	
Language Spoken	Level	Frequency	Level	Frequency
Afrikaans	< High School	0	Employee	0
	High School	0	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	1 (100%)
	Bachelor's Degree	1 (100%)	Student and Employed	0
	Master's Degree	0	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Arabic	< High School	1 (5.6%)	Employee	5 (27.8%)
	High School	10 (55.6%)	Self-employed (NE)	3 (16.7%)
	Associate Degree	0	Self-employed (WE)	4 (22.2%)
	Bachelor's Degree	5 (27.8%)	Student and Employed	0
	Master's Degree	1 (5.6%)	Student and Not Employed	1 (5.6%)
	Postgraduate Diploma	0	Retired	3 (16.7%)
	MPhil	0	Household Duties (HD)	2 (11.1%)
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0 1 (5.6%)	Volunteer	0
Bahasa Indonesia	< High School	0	Employee	1 (100%)
Danasa muonesia	High School	0	Self-employed (NE)	0
	Associate Degree		Self-employed (WE)	0
	Bachelor's Degree	-		-
		0	Student and Employed	0
	Master's Degree	0	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	1 (100%)	Not Employed and Not Engaged in HD	0
<u> </u>	Other	0	Volunteer	0
Basque	< High School	0	Employee	0
	High School	0	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	1 (100%)
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	1 (100%)	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Bislama	< High School	0	Employee	0
	High School	0	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	0
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	1 (100%)	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	1 (100%)
Catalan	< High School	0	Employee	0
	•	0	Self-employed (NE)	0
	High School			
	High School Associate Degree	0	Self-employed (WE)	0
	Associate Degree	0	Self-employed (WE) Student and Employed	0 0
	Associate Degree Bachelor's Degree	0 1 (100%)	Student and Employed	0
	Associate Degree Bachelor's Degree Master's Degree	0 1 (100%) 0	Student and Employed Student and Not Employed	0 0
	Associate Degree Bachelor's Degree	0 1 (100%)	Student and Employed	0

	Educational Status		Economic Status	
Language Spoken	Level	Frequency	Level	Frequency
	Other	0	Volunteer	0
Chinese Cantonese	< High School	0	Employee	3 (42.9%)
	High School	3 (42.9%)	Self-employed (NE)	0
	Associate Degree	1 (14.3%)	Self-employed (WE)	1 (14.3%)
	Bachelor's Degree	2 (28.6%)	Student and Employed	1 (14.3%)
	Master's Degree	1 (14.3%)	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	2 (28.6%)
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Chinese Mandarin	< High School	0	Employee	4 (40%)
	High School	3 (30%)	Self-employed (NE)	1 (10%)
	Associate Degree	1 (10%)	Self-employed (WE)	2 (20%)
	Bachelor's Degree	4 (40%)	Student and Employed	1 (10%)
	Master's Degree	1 (10%)	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	2 (20%)
	PhD	1 (10%)	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Croatian	< High School	0	Employee	1 (100%)
Croatian	High School		Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	0
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	0	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	1 (100%)	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Danish	< High School	0	Employee	1 (50%)
Damsn	High School	1 (50%)	Self-employed (NE)	0
	Associate Degree	1 (50%)	Self-employed (WE)	1 (50%)
	Bachelor's Degree	0	Student and Employed	1(50/0)
	Master's Degree	0	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Dutch	< High School	0	Employee	1 (20%)
Dutch	High School	0	Self-employed (NE)	3(60%)
	Associate Degree	2 (40%)	Self-employed (WE)	0
	Bachelor's Degree	2 (40%)	Student and Employed	0
	Master's Degree	3 (60%)	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	1 (20%)
	PhD	0	Not Employed and Not Engaged in HD	1(20/0)
	Other	0	Volunteer	0
English	< High School	1 (0.5%)	Employee	100 (51%)
Missing cases $= 1$	High School	44 (22.4%)	Self-employed (NE)	28
withoming cases - 1	Associate Degree	26 (13.3%)	Self-employed (WE)	(14.3%)
	Bachelor's Degree	20 (13.5%) 57 (29.1%)	Student and Employed	(14.3%) 28 (14.35)
	Master's Degree	46 (23.5%)	Student and Employed Student and Not Employed	
	Postgraduate Diploma		Retired	11(5.6%)
	MPhil	1(0.5%)		5 (2.6%) 7 (3.6%)
	1V1F1111	4 (2%)	Household Duties (HD)	7 (3.6%)

	Educational Status		Economic Status	
Language Spoken	Level	Frequency	Level	Frequency
	PhD	12 (6.1)	Not Employed and Not Engaged in HD	14 (7.1%)
	Other	5 (2.6%)	Volunteer	1 (0.5%)
				1 (0.5%)
Estonia	< High School	0	Employee	0
	High School	1 (100%)	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	1 (100%)
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	0	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Fijian	< High School	0	Employee	0
0	High School	0	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	1 (100%)
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	1 (100%)	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Finnish	< High School	0	Employee	3 (75%)
	High School	1 (25%)	Self-employed (NE)	0
	Associate Degree	2 (50%)	Self-employed (WE)	1 (25%)
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	0	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	1 (25%)	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
French	< High School	0	Employee	45
Tionon	High School	13 (14.9%)	Self-employed (NE)	(51.7%)
	Associate Degree	11 (12.6%)	Self-employed (WE)	12
	Bachelor's Degree	23 (26.4%)	Student and Employed	(13.8%)
	Master's Degree	28 (32.2%)	Student and Not Employed	10
	Postgraduate Diploma	0	Retired	(11.5%)
	MPhil	3 (3.4%)	Household Duties (HD)	6 (6.9%)
	PhD	7 (8%)	Not Employed and Not Engaged in HD	2 (2.3%)
	Other	2 (2.3%)	Volunteer	5 (5.7%)
		2 (2.370)		4 (4.6%)
				1 (1.1%)
				1 (1.1%)
French Creole	< High School	0	Employee	1 (33.3%)
	High School	0	Self-employed (NE)	2 (66.7%)
	Associate Degree	1 (33.3%)	Self-employed (WE)	0
				0
		10	LNIIIGENI ANG EJIDDIOVEG	
	Bachelor's Degree	02(667%)	Student and Employed	-
	Bachelor's Degree Master's Degree	2 (66.7%)	Student and Not Employed	0
	Bachelor's Degree Master's Degree Postgraduate Diploma	2 (66.7%) 0	Student and Not Employed Retired	0 0
	Bachelor's Degree Master's Degree Postgraduate Diploma MPhil	2 (66.7%) 0 0	Student and Not Employed Retired Household Duties (HD)	0 0 0
	Bachelor's Degree Master's Degree Postgraduate Diploma MPhil PhD	2 (66.7%) 0 0 0	Student and Not Employed Retired Household Duties (HD) Not Employed and Not Engaged in HD	0 0 0 0
German	Bachelor's Degree Master's Degree Postgraduate Diploma MPhil	2 (66.7%) 0 0	Student and Not Employed Retired Household Duties (HD)	0 0 0

	Educational Status		Economic Status	
Language Spoken	Level	Frequency	Level	Frequency
	Associate Degree	11 (21.6%)	Self-employed (WE)	11
	Bachelor's Degree	12 (23.5%)	Student and Employed	(21.6%)
	Master's Degree	12 (23.5%)	Student and Not Employed	8 (15.7%)
	Postgraduate Diploma	0	Retired	2 (3.9%)
	MPhil	3 (5.9%)	Household Duties (HD)	$ \begin{bmatrix} 2 \\ (3.) \\ 0 \end{bmatrix} $
				-
	PhD	5 (9.8%)	Not Employed and Not Engaged in HD	1 (2%)
	Other	0	Volunteer	5 (9.8%)
				0
				0
Greek	< High School	0	Employee	1 (100%)
	High School	0	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	0
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	1 (100%)	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Hebrew	< High School	0		0
neblew			Employee	
	High School	1 (100%)	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	0
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	0	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	1 (100%)
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Hindi	< High School	0	Employee	2 (50%)
	High School	0	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	1(25%)
	Bachelor's Degree	2 (50%)	Student and Employed	0
	Master's Degree	2 (50%)	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil		Household Duties (HD)	-
		0		1 (25%)
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Italian	< High School	0	Employee	19
	High School	5 (14.7%)	Self-employed (NE)	(55.9%)
	Associate Degree	5 (14.7%)	Self-employed (WE)	6 (17.6%)
	Bachelor's Degree	9 (26.5%)	Student and Employed	7 (20.6%)
	Master's Degree	7 (20.6%)	Student and Not Employed	1 (2.9%)
	Postgraduate Diploma	0	Retired	1 (2.9%)
	MPhil	2 (5.9%)	Household Duties (HD)	0
	PhD	6 (17.6%)	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
				0
Japanese	< High School	0	Employee	4 (33.3%)
	High School	1 (8.3%)	Self-employed (NE)	4 (55.570) 0
	Associate Degree	0	Self-employed (WE)	$\begin{bmatrix} 0\\ 2 & (1 & 70) \end{bmatrix}$
	Bachelor's Degree	4 (33.3%)	Student and Employed	2 (16.7%)
	Master's Degree	5 (41.7%)	Student and Not Employed	0
	Postgraduate Diploma	1 (8.3%)	Retired	0
	MPhil	0	Household Duties (HD)	6 (50%)

	Educational Status		Economic Status	
Language Spoken	Level	Frequency	Level	Frequency
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	1 (8.3%)	Volunteer	0
Korean	< High School	0	Employee	3 (33.3%)
	High School	2 (22.2%)	Self-employed (NE)	2 (22.2%)
	Associate Degree	1 (11.1%)	Self-employed (WE)	3 (33.3%)
	Bachelor's Degree	5 (55.6%)	Student and Employed	0
	Master's Degree	1 (11.1%)	Student and Not Employed	1 (11.1%)
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Kreyol	< High School	0	Employee	0
	High School —	3 (75%)	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	0
	Bachelor's Degree	1 (25%)	Student and Employed	1 (25%)
	Master's Degree	0	Student and Not Employed	2 (50%)
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	1 (25%)
	Other	0	Volunteer	0
Latin	< High School	0	Employee	0
	High School	0	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	1 (100%)
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	0	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	1 (100%)	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Lebanese Arabic	< High School	0	Employee	0
	High School	1 (100%)	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	0
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	0	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	1 (100%)
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
N (1	Other	0	Volunteer	0
Malagasy	< High School	0	Employee	1 (100%)
	High School	0	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	0
	Bachelor's Degree	1 (100%)	Student and Employed	0
	Master's Degree	0	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil PhD	0	Household Duties (HD)	0 0
		0 0	Not Employed and Not Engaged in HD Volunteer	0
Nomuciar	Other			-
Norwegian	< High School	0	Employee Salf amployed (NE)	1 (50%)
	High School	1 (50%)	Self-employed (NE)	0
	Associate Degree	1 (50%)	Self-employed (WE)	1 (50%)
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	0	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0

	Educational Status		Economic Status	
Language Spoken	Level	Frequency	Level	Frequency
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Pijin	< High School	0	Employee	0
0	High School	0	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	0
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	1 (100%)	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	1 (100%)
Portuguese	< High School	0	Employee	15 (60%)
	High School	3 (12%)	Self-employed (NE)	3 (12%)
	Associate Degree	1 (4%)	Self-employed (WE)	3 (12%)
	Bachelor's Degree	8 (32%)	Student and Employed	2 (8%)
	Master's Degree	7 (28%)	Student and Not Employed	1 (4%)
	Postgraduate Diploma	0	Retired	0
	MPhil	1 (4%)	Household Duties (HD)	1 (4%)
	PhD	5 (20%)	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Romanian	< High School	0	Employee	0
	High School	0	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	1 (100%)
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	0	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	1 (100%)	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Russian	< High School	0	Employee	2 (66.7%)
	High School	0	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	1 (33.3%)
	Bachelor's Degree	1 (33.3%)	Student and Employed	0
	Master's Degree	1 (33.3%)	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	1 (33.3%)	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
~	Other	0	Volunteer	0
Serbian	< High School	0	Employee	1 (100%)
	High School	0	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	0
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	0	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	1 (100%)	Household Duties (HD)	0
	PhD Other	0	Not Employed and Not Engaged in HD	0
0.1.1	Other	0	Volunteer	0
Sinhala	< High School	0	Employee	1 (100%)
	High School	1 (100%)	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	0
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	0	Student and Not Employed	0

	Educational Status		Economic Status	
Language Spoken	Level	Frequency	Level	Frequency
001	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Spanish	< High School	0	Employee	67
1	High School	15 (12.5%)	Self-employed (NE)	(55.8%)
	Associate Degree	16 (13.3%)	Self-employed (WE)	17
	Bachelor's Degree	38 (31.7%)	Student and Employed	(14.2%)
	Master's Degree	38 (31.7%)	Student and Not Employed	14
	Postgraduate Diploma	0	Retired	(11.7%)
	MPhil	2 (1.7%)	Household Duties (HD)	10 (8.3%)
	PhD	9 (7.5%)	Not Employed and Not Engaged in HD	2 (1.7%)
	Other	2 (1.7%)	Volunteer	3 (2.5%)
	ouler	2 (1.770)	Volunteer	6 (5%)
				0 (570)
				0
Swedish	< High School	0	Employee	3 (60%)
	High School	1 (20%)	Self-employed (NE)	0
	Associate Degree	4 (80%)	Self-employed (WE)	2 (40%)
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	0	Student and Not Employed	Ő
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0 0
	Other	0	Volunteer	0
Swiss German	< High School	0	Employee	0
	High School	0	Self-employed (NE)	1 (100%)
	Associate Degree	1 (100%)	Self-employed (WE)	0
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	0	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0
Tamil	< High School	0	Employee	1 (100%)
	High School	1 (100%)	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	0
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	0	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
_	Other	0	Volunteer	0
Quechua	< High School	0	Employee	1 (100%)
	High School	1 (100%)	Self-employed (NE)	0
	Associate Degree	0	Self-employed (WE)	0
	Bachelor's Degree	0	Student and Employed	0
	Master's Degree	0	Student and Not Employed	0
	Postgraduate Diploma	0	Retired	0
	MPhil	0	Household Duties (HD)	0
	PhD	0	Not Employed and Not Engaged in HD	0
	Other	0	Volunteer	0