Analysis Report

This report is structured as follows.

Contents



Sample Characterization

50.7% of the sample is male and the mean age is 30.352. The mean of 'Hierarchy position on the job ladder' is 5.353. The table below shows general frequencies of the sample. The total sample size was 219.

		Count	Column N %
Level of Solitude	Low	115	52.5%
	High	104	47.5%
Linguistic Accent	Eastern-European	103	47.0%
	Dutch	116	53.0%
Evaluation accent compared to	Strong	131	59.8%
British accent audio	Weak	88	40.2%
Evaluation of solitude of audio	Yes	102	46.6%
	No	117	53.4%
Gender of respondent	Male	111	50.7%
	Female	106	48.4%
	Non-binary / third gender	2	0.9%
	Prefer not to say	0	0.0%
	Prefer to self-describe	0	0.0%
Current employment status of	Full-time	124	56.6%
respondent	Part-time	89	40.6%
	Seeking opportunities currently	6	2.7%
	Prefer not to say	0	0.0%
Current work model of	At the office	85	38.8%
respondent	Remote	30	13.7%
	Hybrid	104	47.5%
Solitude preference of	Not at all	4	1.8%
respondent	2	10	4.6%
	3	13	5.9%
	4	42	19.2%
2	5	63	28.8%
	6	58	26.5%
	A lot	29	13.2%

Reliability Tests

The first step was to execute reliability analysis. Reliability is an assessment of the degree of consistency between multiple measurements of a variable. One form of reliability is internal consistency, which applies to the consistency among the variables in a summated or averaged scale. The rationale for internal consistency is that the individual items or indicators of the scale should all be measuring the same construct and thus be highly intercorrelated (Hair et al., 2014). The analysis in this study was done using Cronbach's Alpha. The table below shows the descriptive statistics and Alpha coefficients for the scales under study. Scales with acceptable reliability should have Alphas higher than 0.700 (Hair et al., 2014).

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Construct	Item	Mean	Standard Deviation	α
Perceived	Social Evaluation employee - Caring	4.909	1.080	.827
Communality (PC)	Social Evaluation employee - Supportive	4.849	1.121	
	Social Evaluation employee - Considerate	5.068	.991	
Perceived Agency (PA)	Social Evaluation employee - Competent	5.311	.965	.845
	Social Evaluation employee - Intelligent	5.347	.952	
	Social Evaluation employee - Skilled	5.142	1.024	
	Agency employee - Confident	4.836	1.296	
	Agency employee- Independent	4.877	1.716	
	Agency employee - Competitive	3.671	1.197	
	Agency employee - Prestigious	3.986	1.123	
	Agency employee - Economically successful	4.740	1.014	
	Agency employee - Educated	5.342	.892	
Willingness to Help (WTH)	Helping Willingness employee - Helps fallen behind colleagues out	3.470	.826	.871
.0	Helping Willingness employee - Sharing expertise	3.858	.842	
24	Helping Willingness employee - Acts like peacemaker	3.274	.887	
	Helping Willingness employee - Prevents problems	3.594	.815	
	Helping Willingness employee - Giving personal time to help	3.411	.931	
,	Helping Willingness employee - Contacts or reconnects	3.489	.925	
	Helping Willingness employee - Encourages others	3.525	.930	
Leadership Potential	Leadership Trait employee - Assertive	4.365	1.221	.899
(LP)	Leadership Trait employee - Dominant	3.352	1.208	

Leadership Trait employ pressure	vee - Able to cope with 4.	.635	1.073
Ladership Trait employe	ee - Responsible 5.	.388	1.005
Leadership Trait employ others	vee - Able to convince	.374	1.199
Ladership Trait employed decisions	ee - Able to make	.087	1.095
Leadership Trait employ initiative	vee - Possessing 4.	.553	1.158
Leadership Trait employ	vee - Self-confident 4.	.708	1.262
Leadership Trait employ	vee - Career-oriented 4	.790	1.197
Leadership Trait employ authority		.712	1.143

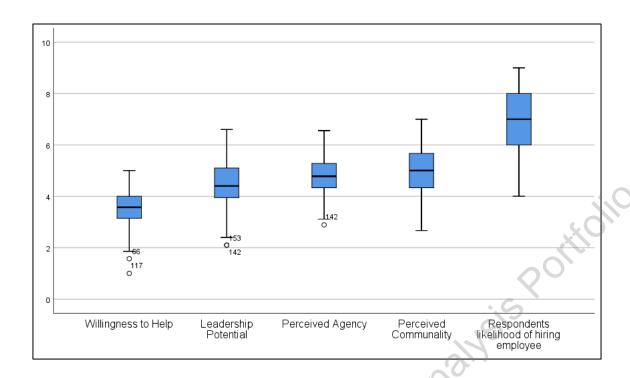
All the scales had sufficient reliability (above 0.700). Thus, their respective items were averaged to form the global scales for each one of the four multiitem constructs under study.

Descriptive Statistics

The table below shows descriptive statistics of the four constructs along with the 'hireability' construct, which was measured by a single item.

	Mean	Standard Deviation
Willingness to Help	3.517	.661
Leadership Potential	4.496	.839
Perceived Agency	4.806	.745
Perceived Communality	4.942	.918
Respondents likelihood of hiring employee	6.913	1.057

An examination of boxplots for the five scales (Figure below) showed no extreme values in the data.



The next table shows descriptive statistics disaggregated by levels of solitude and accent, separately.

	L	evel of	Solituc	le	L	inguistic	Accent	
	Lo)w	Hi	gh		tern- pean	Du	tch
	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Willingness to Help	3.865	.456	3.133	.642	3.535	.695	3.501	.632
Leadership Potential	4.370	.802	4.637	.860	4.333	.897	4.641	.758
Perceived Agency	4.568	.736	5.068	.667	4.662	.784	4.933	.688
Perceived Communality	5.287	.886	4.561	.797	4.968	.907	4.920	.931
Respondents likelihood of hiring employee	6.930	1.090	6.894	1.023	6.786	1.081	7.026	1.025

To allow a deeper analysis of the mean values, the table below shows means and standard deviations (SD) broken down by levels of solitude and linguistic accent.

		Level of Solitude								
		Lov	W			Hig	h			
	<u></u>	Linguistic Accent			-	Linguistic	Accent			
	Eastern-F	European	Du	tch	Eastern-E	European	Du	tch		
	Mean	SD	Mean	SD	Mean	SD	Mean	SD		
Willingness to Help	3.890	.493	3.840	.418	3.096	.661	3.163	.631		
Leadership Potential	4.167	.816	4.569	.742	4.539	.958	4.714	.773		
Perceived Agency	4.411	.725	4.722	.719	4.973	.749	5.144	.589		

Perceived Communality	5.310	.868	5.264	.911	4.543	.771	4.575	.823
Respondents likelihood of	6 719	1 130	7 139	1.017	6 870	1.024	6.014	1.031
hiring employee	0.719	1.130	7.136	1.017	0.870	1.024	0.514	1.031

The effect of High Solitude on Willingness to Help, Leadership Potential, Perceived Agency and Perceived Communality

An Independent-Samples T-test analysis showed that High Solitude has a significant effect on all the four constructs analyzed (p < .05). Individuals with a high level of solitude showed significantly lower scores for Willingness to Help (M = 3.133) compared to those with low solitude (M = 3.865), t(184) = 9.629, p < .001. Differences are also significant for Leadership Potential, t(217) = -2.377, p = .018, Perceived Agency, t(217) = -5.253, p < .001 and Perceived Communality, t(217) = 6.350, p < .001.

Independent Samples Test

		Levene's T		t-test f	for Equality	of Means
		F	Sig.	t	df	Sig. (2-tailed)
Willingness to Help	Equal variances assumed	6.517	.011	9.791	217	.000
	Equal variances not assumed	0.		9.629	183.749	.000
Leadership Potential	Equal variances assumed	1.449	.230	-2.377	217	.018
	Equal variances not assumed			-2.368	210.864	.019
Perceived Agency	Equal variances assumed	.382	.537	-5.253	217	.000
	Equal variances not assumed			-5.280	216.999	.000
Perceived Communality	Equal variances assumed	1.213	.272	6.350	217	.000
	Equal variances not assumed			6.384	216.994	.000

The non-parametric Mann Whitney's test was conducted for 'Likelihood to Hire', since it is measured as an ordinal scale. The test showed no significant difference on the likelihood of hiring, U(219) = 5798.500, p = .684.

Independent-Samples Mann-Whitney U Test Summary

Total N	219
Mann-Whitney U	5798.500
Standard Error	445.383
Standardized Test Statistic	408
Asymptotic Sig.(2-sided test)	.684

The effect of High Solitude and the Moderation effect of Linguistic Accent

A General Linear Model was conducted to examine the moderation effect of Linguistic Accent on the relationship between solitude and the five scales. The results of Levene's test and Box's test indicate that covariances and variances are equal for all scales (p > .05), suggesting no violation of model assumptions.

Tests of Between-Subjects Effects

		Type III Sum		Mean			Partial Eta
Source	Dependent Variable	of Squares	df	Square	F	Sig.	Squared
Corrected	Willingness to Help	29.395 ^a	3	9.798	31.946	.000	.308
Model	Leadership Potential	9.328 ^b	3	3.109	4.639	.004	.061
	Perceived Agency	17.190°	3	5.730	11.853	.000	.142
	Perceived	28.874^{d}	3	9.625	13.364	.000	.157
	Communality						
	Respondents likelihood	5.160^{e}	3	1.720	1.553	.202	.021
	of hiring employee						
Intercept	Willingness to Help	2652.681	1	2652.681	8648.811	.000	.976
/,	Leadership Potential	4386.699	1	4386.699	6545.525	.000	.968
	Perceived Agency	5023.836	1	5023.836	10392.209	.000	.980
OV	Perceived	5257.109	1	5257.109	7299.758	.000	.971
	Communality						
	Respondents likelihood	10357.139	1	10357.139	9348.709	.000	.978
	of hiring employee						
Solitude	Willingness to Help	29.326	1	29.326	95.613	.000	.308
	Leadership Potential	3.628	1	3.628	5.413	.021	.025
	Perceived Agency	13.115	1	13.115	27.129	.000	.112
	Perceived	28.743	1	28.743	39.912	.000	.157
	Communality						

	Respondents likelihood of hiring employee	.074	1	.074	.067	.796	.000
Solitude *	Willingness to Help	.184	2	.092	.300	.741	.003
Accent	Leadership Potential	5.435	2	2.718	4.055	.019	.036
	Perceived Agency	3.523	2	1.761	3.643	.028	.033
	Perceived	.085	2	.042	.059	.943	.001
	Communality						
	Respondents likelihood	5.088	2	2.544	2.296	.103	.021
	of hiring employee						
Error	Willingness to Help	65.943	215	.307			
	Leadership Potential	144.089	215	.670			
	Perceived Agency	103.936	215	.483			
	Perceived	154.838	215	.720		.6	
	Communality				,(3	
	Respondents likelihood	238.192	215	1.108	113		
	of hiring employee				~(O., .		
Total	Willingness to Help	2804.653	219				
	Leadership Potential	4580.970	219	"O"			
	Perceived Agency	5178.840	219				
	Perceived	5532.778	219	O			
	Communality						
	Respondents likelihood	10710.000	219				
	of hiring employee	X					
Corrected	Willingness to Help	95.338	218				
Total	Leadership Potential	153.417	218				
	Perceived Agency	121.126	218				
	Perceived	183.712	218				
	Communality						
	Respondents likelihood	243.352	218				
	of hiring employee						

a. R Squared = ,308 (Adjusted R Squared = ,299)

b. R Squared = ,061 (Adjusted R Squared = ,048)

c. R Squared = ,142 (Adjusted R Squared = ,130)

d. R Squared = ,157 (Adjusted R Squared = ,145)

e. R Squared = ,021 (Adjusted R Squared = ,008)

The effect of High Solitude on Likelihood to Hire Mediated by Perceived Agency and Perceived Communality

Direct effe	ct of X on Y	Y			
Effect	se se	t	p	LLCI	ULCI
093	.148	629	.530	386	.199
Conditional	indirect e	ffects of X	on Y:		
INDIRECT EF	FECT:				
SOLIT	-> PA	->	HIREINT		
Accent	: Effect	BootSE	BootLLCI	BootULCI	
.000	.319	.098	.146	.529	. Ca
1.000	.239	.082	.092	.416	
Index of mo	derated med	iation (diffe	erence betw	een conditio	onal indirect e
	Index	BootSE Boot	tLLCI Boo	tULCI	~(Q, ,
Accent	080	.109	294	.139	
Pairwise o	contrasts be	tween condit:	ional indir	ect effects	(Effectl minus
Effectl	Effect2	Contrast	BootSE	BootLLCI	BootULCI
.239	.319	080	.109	0294	.139
INDIRECT EF	FECT:			Y	
SOLIT	-> PC	->	HIREINT		
Accent	Effect	BootSE	BootLLCI	BootULCI	
.000	239	.079	408	103	
1.000	215	,082	402	079	
Index of mo	derated med	iation (diffe	erence betw	een conditio	onal indirect e
	Index	BootSE Boot	tLLCI Boo	tULCI	
Accent	.024	.074	127	.167	
Accent	2				
OV					
V.					
4.					

The effect of High Solitude on Leadership Potential Mediated by Perceived Agency and Perceived Communality

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************ OIRECT AND INDIRECT EFFECTS OF X ON Y ************
Direct effect of X on Y
   Effect se
                                       LLCI
                                                ULCI
                       t
                                p
             .091 -1.794
                              .074
    -.163
                                      -.342
                                                 .016
Conditional indirect effects of X on Y:
INDIRECT EFFECT:
SOLIT -> PA
                    -> LP
                    BootSE BootLLCI BootULCI
   Accent
           Effect
     .000
             .489
                    .133 .239 .755
    1.000
             .367
                      .106
                               .164
                                       .578
Index of moderated mediation (difference between conditional indirect effects):
        Index BootSE BootLLCI BootULCI
        -.122
                  .166
                         -.459
                                   .198
Accent
Pairwise contrasts between conditional indirect effects (Effectl minus Effect2)
  Effectl Effect2 Contrast
                            BootSE BootLLCI BootULCI
     .367
            .489
                     -.122
                                .166
                                      O-.459
                                               .198
INDIRECT EFFECT:
SOLIT -> PC
                    BootSE BootLLCI BootULCI
   Accent
           Effect
                     .045
    .000
            -.006
                             -.102
                                      .083
    1.000
             -.005
                       .041
                              -.091
                                       .072
Index of moderated mediation (difference between conditional indirect effects):
                BootSE BootLLCI BootULCI
         Index
                         -.031
                  .014
          .001
                                  .031
Accent
```

The effect of High Solitude on Willingness to Help Mediated by Perceived Agency and Perceived Communality

Direct effec	t of X on Y				
Effect		t	р	LLCI	ULCI
	.078		_		
Conditional	indirect effe	cts of X	on Y:		
INDIRECT EFF	ECT:				
SOLIT	-> PA	->	WTH		
Accent	Effect	BootSE	BootLLCI	BootULCI	
.000	.045	.028	006	.108	+. 0
1.000	.034	.024	004	.086	5
Index of mod	lerated mediat	ion (diffe	erence betw	een conditio	nal indirect
	Index Boo	tSE Boot	tLLCI Boo	tULCI	70
Accent	011 .	018 -	050	.024	
Pairwise co	ntrasts betwe	en condit	ional indir	ect effects	(Effectl min
Effectl	Effect2	Contrast	BootSE	BootLLCI	BootULCI
.034	.045	011	.018	0050	.024
INDIRECT EFF	ECT:			~	
SOLIT	-> PC	->	WTH		
Accent	Effect	BootSE	BootLLCI	BootULCI	
.000	225	.057	345	121	
1.000	203	.057	321	097	
Index of mod	lerated mediat	ion (diffe	erence betwe	een conditio	nal indirect
	Index Boo		LLLCI Boo		
Accent	.023 .	067 -	109	.155	
PLE,					
Accent					