		10 TOOLS												
		COMPARE MEANS					ASSOCIATIONS				SCALE COMPOSITION			
		ONE-SAMPLE T	E T DEP-SAMPLES T IND-SAMPLES T ONE-WAY ANOVA F TWO-WAY AN		TWO-WAY ANOVA F	CHI-SQUARE		CORRELATION	LINEAR REGRESSION F	EX. FACTOR ANALYSIS	RELIABILITY ANALYSIS			
L	LEVELS OF	TEST VARIABLE CONTINUOUS	TEST VARIABLE 1 CONTINUOUS	TEST VARIABLE CONTINUOUS	TEST VARIABLE [DV] CONTINUOUS	TEST VARIABLE [DV] CONTINUOUS	TEST VARIABLES [2] TEST	VARIABLES [2]	TEST VARIABLES [2] TEST VARIABLES [2] ORDINAL CONTINUIOUS	TEST VARIABLES	ANALYSIS VARIABLES	ANALYSIS VARIABLES CONTINUOUS	↑	
	MEASUREM.	TEST VALUE [SINGLE #] POPULATION MEAN	TEST VARIABLE 2 CONTINUOUS	FACTOR [2 GROUPS] CATEGORICAL	FACTOR [IV, 2+ GROUPS] CATEGORICAL	FACTOR 1 [IV, 2+ G.]         FACTOR 2 [IV, 2+ G.]           CATEGORICAL         CATEGORICAL		A ASSAM	SVAMETDIC				SNO SNO	
-		M	-	- 2*t			$\Box \leftrightarrow \Box \qquad \Box \rightarrow \Box \qquad \Box \leftrightarrow \Box$ $CRAMEP's V \qquad G & K'S \qquad GAMM$			BETA COEFFICIENT (b, b*)	-	-	CONTIN	
	STRENGTH	COHEN'S d = STA	ANDARD DEVIATION Checks if there is any significant	$\frac{\text{COHEN'S d}}{\sqrt{df}} = \frac{2}{\sqrt{df}}$ Checks if there is any significant	$\frac{\text{ETA}}{\text{ETA}}(\eta) = \sqrt{\left(\frac{\text{ETA}}{\text{S}}\right)^2 = \frac{33 \text{ GeV}(\text{VEEN})}{\text{SS TOTAL}}}$ Checks if there is any significant difference	$ETA(\eta) = \sqrt{\left(ETA^{2} = \frac{33.80 \text{ m}}{\text{SS.C.TOTAL}}\right)}$ Same as a One-Way ANOVA, but this time	CRAVIERS V         O & K3         O A K3         O A K3           / PHI (φ)*         TAU (τ)         (γ)           Checks if there's any association bet	ween two	RHO (p) PEARSON'S r Checks if there's any correlation between	REGRESSION COEFFICIENT (PEARSON'S R) R-SQUARED (R <sup>3</sup> ) Checks if the values in a variable or set of	KMO Finds similarities between and	CRONBACH'S ALPHA (α) Tests the reliability / internal	INTERVAL	
		icant difference between the <u>mean in the test scale</u> and a <u>given population mean</u> . EXAMPLE	difference between the <u>means from</u> two scales belonging to the <u>same unit</u> of analysis (e.g. family, person). EXAMPLE 1	difference between the means from two independent groups, measured in the same scale. EXAMPLE 1	between the means from <u>two or more</u> inde- pendent groups, measured in the same scale. But this time, it's an F-Test. So we are assessessing whether there's any effect of X	we're adding one extra factor as a moderator. This basically means we are increasing the number of groups to be compared. And the F-Test assesses each effects (each	categorical variables. We are building a pivot table, and che amount of participants per cell is sur the observed counts are odd (a.k.a. t	ecking if the total prising or not. If oo different than	two variables. EXAMPLE TEST VARIABLE 1 Time spent watching TV (minutes).	variables (independent) can predict the value of another variable (dependent). For a general overview, we look at the F-Test to check if the model (the combination of all	clusters items that seem to be measuring the same construct. EXAMPLE ANALYSIS VARIABLES	consistency of items composing a factor. We use it to make inferences about the quality of the scale and its ability to consistently measure the construct of interest.	HIERARC	
	FUNCTION	TEST VARIABLE Age in C, measured in years (integers). TEST VALUE Average age in C such as 45.	TEST VARIABLE 1 IQ scores of CEOs. TEST VARIABLE 2 IQ scores of lowest-level employees.	TEST VARIABLE Extraversion (1-7 scale). FACTOR Male / Female.	From the others). Post hoc tests are a set of independent t-tests comparing all possible pairs of group means.	Arrow) in the conceptual model. Post hoc tests remain the same as One-Way ANOVA, but now with way more pairs. EXAMPLE	EXAMPLE TEST VARIABLE 1 Favorite TV channel.		TEST VARIABLE 2 Time spent on the internet (minutes).	For specifics, we conduct one t-test for each predictor to see whether there's any effect.	→ Personality statements (Big 5)	EXAMPLE ANALYSIS VARIABLES → Extraversion items (Big 5)		
	TONCTION	<u>riterage</u> age in $\bigcirc$ , such as 40.	EXAMPLE 2 TEST VARIABLE 1 Stats fear pre-course (1-7 scale). TEST VARIABLE 2	EXAMPLE 2 TEST VARIABLE Stats fear (1-7 scale). FACTOR	EXAMPLE TEST VARIABLE Love for soccer. FACTOR	TEST VARIABLE Love for soccer. FACTOR 1 Male / Female.	TEST VARIABLE 2 Gender.			EXAMPLE INDEPENDENT VARIABLES → Neuroticism (1-7 scale). → # of bikes stolen in the past year. DEPENDENT VARIABLE			ATEGORI	
		() Î	Stats fear post-course (1-7 scale).	Treatment / Control.			ESPN STATES AND A	ALE         FEMALE           20         6           6         20	Prime I	→ Bike insurance purchase int. (1-100 scale).		ш	NOMINAL	
NULL HYPOTHESIS		T-TEST The difference between the mean in the test variable and the given mean (test value of 45) is 0 in the population.	T-TEST The difference between the mean in test variable 1 and the mean in test variable 2 is 0 in the population. Alternatively: $\mu$ test var. 1 = $\mu$ test v. 2.	T-TEST The difference between the mean of group 1 and the mean of group 2 is 0 in the population. Alternatively: µ group 1 = µ group 2.	F-TESTS (one for each arrow) The coefficient (for the effect of X on Y) is equa Alternatively: $\mu 1 = \mu 2 = \{\}$ . POST-HOC T-TESTS The difference between the mean A and mean F	I to 0 in the population.	CHI-SQUARE TEST The measure of association is equal to 0 in the popu- lation. Alternatively: There is no association between the variables in the population.		T-TEST The correlation coefficient is equal to 0 in the population. Alternatively: There is no correlation between the variables in the population.	F-TEST The R coefficient (for the effect of X on Y) is equal to 0 in the population. PREDICTOR'S T-TESTS The R coefficient is equal to 0 in the popula-	-	-	DEPENDENT RESPONDING Y-AXIS	
=	ASSUMPTION	→ Test variable is normally distributed → At least 30 partic./group, ideally 100 → Independence	→ Test variable is normally distributed → At least 30 partic./group, ideally 100 → Dependence	→ Test variable is normally distributed → At least 30 partic./group, ideally 100 → Independence → Equal variance in all groups (Levene's test)	→ Test variable is normally distributed → At least 30 participants/group, ideally 100 → Independence → Equal variance in all groups (Levence's test, 10%)	→ Test variable is normally distributed → At least 30 participants/group, ideally 100. → Equal variance in all groups (Levene's test, <u>10%</u> )	<ul> <li>→ All expected counts must be at lea</li> <li>→ Max 20% of cells with expected co</li> <li>→ Independence of variables</li> </ul>	ist 1. Jounts <5	Scatter plot curve → Scatter plot line     → Test variables are normally distributed     → At least 30 participants, ideally 100     → At least 30 participants, ideally 100		→ Items are normally distributed → At least 30 partic., ideally 100 → Independence of variables → Uniqueness of each item → KMO (Sampling Adequacy)	→ Items are normally distributed → At least 30 partic., ideally 100 → Independence of variables → Uniqueness of each item	MANIPULATING	
JTES		Analyze → Compare Means → One-Sample T → Assign test variable → Test value = [given mean]	Analyze → Compare Means → Paired-Samples T → Insert both variables in row 1	Analyze → Compare Means → Ind-Samples T → Assign factor as grouping variable → Dedien grace as grouping variable	Analyze → Compare Means → One-Way ANOVA → Assign test variable as dependent → Assign factor	Analyze → General Linear Model → Univariate → Assign test variable as dependent → Assign factors in any order → Dest Hoc → @ Bonferroni (if 3+ groups) → Order on → @ Bonferroni (if 3+ groups)	Analyze → Descriptive Stats → Cros → Assign each test variable as row a → Stats → ② Chi Square → Cells → ③ Expected SYM	stabs nd column METRICS ABOVE	→ independence of variables Analyze → Correlate → Bivariate → Assign variables → Coefficient → @ R or @ RHO → Test → @ Two-tailed or @One-tailed	→ Homoscedasticity     Analyze → Regression → Linear     → Assign dependent & independent variables     → Stats →      © Confidence Intervals	→ Bartlett's Test (Sphericity)  Analyze → Dimension Reduct. → Factor Analysis → Add items measuring construct → Descriptions →  KMO+B → Construction →  KMO+B	Analyze → Scale → Reliability Analysis → Add items that compose each factor	X-AXIS	
	RUNNING			<ul> <li>→ Specify values for groups 1 and 2</li> </ul>	→ Options → Obscriptives → Options → Obscriptives Homogeneity @Means plot	→ Obschpros → Obschpros → Plots → Assign main factor as "Horizontal Axis" → Assign moderator as "Separate Lines"	→ Counting →	Constants Standard Constantions Constantio			→ Extraction → a sist factoring → Rotation→ Direct Oblimin → Options→ Direct Oblimin → Options→ Below .30	one ractor at a time) → Statistics → Scale if item deleted		
10 AT TRIBU		N         M         SD         SE           AGE         72         38         ,49         ,50	M         N         SD         SE           IQ         LLES         112         44         15         5           IQ         CEOS         100         44         15         5	M         M         SD         SE           MALE         82         4         1         1           FEMALE         82         5         1         1	DESCRIPTIVES         LEVENES           US         67         2         1           NL         66         6         1           BR         68         7         1	DESCRIPTIVES         LEVENE'S           Image: straight of the straing straight of the straight of the straing straight of the strai	COUNT         20         FEMAL           ESPN         COUNT         20         6           EXPEC         13         13         13           MTV         COUNT         6         20           EXFEC         13         13         13           TOTAL         26         26	E TOTAL 26 28		MODEL SUMMARY           R         R²         ADJ. R²         SE OF EST.           MODEL 1         80         60         50         22           ANOVA         SS         df         MS         F         Sig.           PECRESSION         2         8         020         20	TOTAL VARIANCE EXPLAINED TOTAL KMO MEASURE BARTLETT'S Sig. 3000 PATTERN MATRIX	RELIABILITY STATISTICS CRONBACH'S a N OF ITEMS .90 22 ITEM-TOTAL STATISTICS CRONB'S a IF ITEM DELETED		
F	READING	ONE-SAMPLE TEST	PAIRED SAMPLES TEST	INDEPENDENT SAMPLES TEST LEVENE'S P Sig 0.20 675 CHIEF SCORE OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CO	ANOVA SS df MS F Sig. BETWEEN G. 50 2 21 2000 WITHIN G. 188	SE of MS F         Sign f         SE of MS F         Sign f <th co<="" th=""><th>CHI-SQUARED TEST VALUE P CHI-SQUARE 43.00 N OF VALID CASES 55 * 0 cetis (0,0%) have expected counts is The minimum expected count is 6.</th><th>TS df Sig. 4 ,000 ess than 5.</th><th>CORRELATIONS TIME INT TIME TV PEARSON CORR. 400 Sig. (2-TAILED) 000</th><th>RESIDUAL 7</th><th>I AM EXCITED         1         2           I AM EXCITED         .000         .000           I AM SOCIAL         .600         .001           I AM ASSERTIVE         .800         .001           I AM ASSERTIVE         .700         .001           I AM CREATIVE         .700         .500</th><th>EXCITED         .80           SOCIAL         .87           TALKATIVE         .85           ASSERTIVE         .93           EXPRESSIVE         .78</th><th></th></th>	<th>CHI-SQUARED TEST VALUE P CHI-SQUARE 43.00 N OF VALID CASES 55 * 0 cetis (0,0%) have expected counts is The minimum expected count is 6.</th> <th>TS df Sig. 4 ,000 ess than 5.</th> <th>CORRELATIONS TIME INT TIME TV PEARSON CORR. 400 Sig. (2-TAILED) 000</th> <th>RESIDUAL 7</th> <th>I AM EXCITED         1         2           I AM EXCITED         .000         .000           I AM SOCIAL         .600         .001           I AM ASSERTIVE         .800         .001           I AM ASSERTIVE         .700         .001           I AM CREATIVE         .700         .500</th> <th>EXCITED         .80           SOCIAL         .87           TALKATIVE         .85           ASSERTIVE         .93           EXPRESSIVE         .78</th> <th></th>	CHI-SQUARED TEST VALUE P CHI-SQUARE 43.00 N OF VALID CASES 55 * 0 cetis (0,0%) have expected counts is The minimum expected count is 6.	TS df Sig. 4 ,000 ess than 5.	CORRELATIONS TIME INT TIME TV PEARSON CORR. 400 Sig. (2-TAILED) 000	RESIDUAL 7	I AM EXCITED         1         2           I AM EXCITED         .000         .000           I AM SOCIAL         .600         .001           I AM ASSERTIVE         .800         .001           I AM ASSERTIVE         .700         .001           I AM CREATIVE         .700         .500	EXCITED         .80           SOCIAL         .87           TALKATIVE         .85           ASSERTIVE         .93           EXPRESSIVE         .78	
		DIFFERENCE           t         df         Sig.         M         Cl           AGE         -63         71         .000         -7         -8         -6	DIFFERENCE           M         SD         SE         C1/2         t         df         Sig.           PAIR         12         15         5         2         22         77         43         600	DIFFERENCE           M         SD         SE         SE         CI         d         SI         SI <t< th=""><th>MULTIPLE COMP.           MU         Sign         95% CI           US         NL         -4         1         010         -6         -2           US         BR         -5         1         ,000         -7         -3           NL         BR         1         1         7.50         -1         3</th><th>POST HOC MULTIPLE COMPARISONS</th><th>MEASURES OF ASSOCIA G &amp; K's TAU This table will vary according to which m association you've selected.</th><th>TION VALUE ,024 ,023 easure of</th><th></th><th>CONSTI         15         5         20         0.00         5         15           NEUROT.         20         5         30         20         .000         5         15           WEUROT.         20         5         30         20         .010         10         30           # BIKES         30         5         50         60         .000         20         40           Y = <math>b_1 + x_1 + b_2 + x_2 + b_3</math>         X2         4         5         50         50         .000         20         40</th><th>I AM IMAGINAT.         800           I AM CURIOUS         .700           TOTAL VARIANCE EXPLAINED         .700           FCTR         TOTAL         % VAR           1         4.00         40           2         1.50         10         50</th><th></th><th></th></t<>	MULTIPLE COMP.           MU         Sign         95% CI           US         NL         -4         1         010         -6         -2           US         BR         -5         1         ,000         -7         -3           NL         BR         1         1         7.50         -1         3	POST HOC MULTIPLE COMPARISONS	MEASURES OF ASSOCIA G & K's TAU This table will vary according to which m association you've selected.	TION VALUE ,024 ,023 easure of		CONSTI         15         5         20         0.00         5         15           NEUROT.         20         5         30         20         .000         5         15           WEUROT.         20         5         30         20         .010         10         30           # BIKES         30         5         50         60         .000         20         40           Y = $b_1 + x_1 + b_2 + x_2 + b_3$ X2         4         5         50         50         .000         20         40	I AM IMAGINAT.         800           I AM CURIOUS         .700           TOTAL VARIANCE EXPLAINED         .700           FCTR         TOTAL         % VAR           1         4.00         40           2         1.50         10         50			
	INTERPRETING	0.8 = STRONG 0.5 = MODERATE 0.2 = WEAK			0.5 = STRONG 0.3 = MODERATE < 0.3 = WEAK					V, φ, τ, γ, D, η, ρ, τ, R, b*	0.8 = GOOD / EXCELLENT 0.7 = AVERAGE 0.5 = TERRIBLE / MEDIOCRE <0.5 = UNACCEPTABLE	0.9 = EXCELLENT α 0.8 = GOOD 0.6 = 0K/QUESTIONABLE < 0.6 = UNACCEPTABLE		
	REPORTING	H0 T-TEST The difference between the mean in $\stackrel{\circ}{\bullet}$ and the mean in $\stackrel{\circ}{\bullet}$ (45) is 0 in the population. INITRO And the population mean age in the Dutch population mean (differed significantly from the given German population mean (differed significantly from the significantly from the significantly from the given for the difference of the significantly for the difference of the difference of the difference of the difference of the difference of the difference of the	H0 T-TEST The difference between the average IQ of low employees and the average IQ of CEOs is 0 in the population. INTRO A dependent-sample t test was con- ducted to test if the mean IQ of CEOs differed significantly from the mean IQ of low employees in the population. T-TEST A dependent t-test showed that the mean IQ of CEOs (W = 1000,00,50 = 1500) was significantly lower than the mean IQ of CEOs (W = 1000,00,50 = 1500) was significantly lower than the mean IQ of the molyces with a storm, effect size IW = 172,00 stored 1500, 143,00,22,000, The null hypoth- esis is rejected. DIFFERENCE DISTRIBUTION <u> </u>	H0 T-TEST The difference between the average extraversion of males and the average of females is 0 in the population. Alternatively: fremales = u Males. H0 EVENE'S TEST Variances are equal in both groups. INTRO An independent-sample t test was conducted to test if the mean extra- version of males, differed significantly version of males, differed significant type of the average of the average in the population. EQUALITY OF VARIANCES Levene's test for equality of Variances was not significant <u>George extraversion</u> the null hypothesis is retained. T-TEST Results showed no significant differ- ences between average extraversion, and average extraversion in females with a unsult <u>offered significant george 100, and</u> average extraversion in females with a unsult <u>offered sign 000, and</u> average extraversion in females with a unsult <u>offered sign 000, and</u> average extraversion in females with a unsult <u>offered sign 000, and</u> average extraversion in females with a unsult <u>offered sign 000, and</u> average extraversion in females with a unsult <u>offered sign 000, and</u> average extraversion in females with a unsult <u>offered sign 000, and</u> average extraversion in females with a unsult <u>offered sign 000, and</u> average extraversion in females with a unsult <u>offered sign 000, and</u> average extraversion in females with a unsult <u>offered sign 000, and</u> average extraversion in females with a unsult <u>offered sign 000, and</u> average extraversion in females with a unsult <u>offered sign 000, and</u> average extraversion in temple based in the average average offered sign 000, and average extraversion in females with average offered sign 000, and average extraversion in temple based in the average offered sign 000, and average extraversion in temple based in the average offered sign 000, and average offered sign 00	H0 F-TEST The coefficient Eta (for the effect of nationality on love for soccer) is equal to 0 in the popula- tion. Attendively, LUS = µBR = µBL. Mos POST-HOC T-TESTS The diff. ⊕ mean and ⊕ mean is 0 in the pop. The diff. ⊕ mean and ⊕ mean is 0 in the pop. The diff. ⊕ mean and ⊕ mean is 0 in the pop. The diff. ⊕ mean and ⊕ mean is 0 in the pop. H0 EVENES TEST Variances are equal in all groups. INTRO A one-way ANOVA was conducted to check the effect of nationality on love for soccer in the population. F-TEST The diff. ⊕ mean soccer, between € and year of the soccer, FOST HOC TESTS Post hoc comparisons (Bonferroni corrected) indicated a significant (Hendo) participation Most 200, SD=100) and € (Meddo) participation Most 200, SD=100) and € (Meddo) participation Most 200, SD=100) and € (Meddo) participation Dest(D) and Diventer on Corrected) indicated a significant difference between € and € (Meddo) participation Dest(D) and Universenter on Corrected) Most 200, SD=100 and € (Meddo) participation Dest(D) and Universenter on Corrected) Most 200, SD=100 and € (Meddo) participation Dest(D) and Universenter on Corrected) Most 200, SD=100 and € (Meddo) participation Dest(D) and Universenter on Corrected) Most 200, SD=100 and € (Meddo) participation Dest(D) and Universenter on Corrected) Most 200, SD=100 and € (Meddo) participation Dest(D) and Universenter on Corrected) Most 200, SD=100 and € (Meddo) participation Dest(D) and Universenter on Corrected) Most 200, SD=100 and € (Meddo) participation Dest(D) and Dest(D) participation participation Dest(D) and Dest(D) participation participation Dest(D) and Dest(D) participation participation Dest(D) and Dest(D) participation participation Dest(D) and Dest(D)	HOS F-TESTS (SHORTENED, SAME FORMAT AS 1-WAY) Eta (for Nation.→[] → S û în the pop. Att: L Eta (for Sx → → S) is û în the pop. Att: L Eta (for N*5 → → S) is û în the pop. Att: L HOS POST-HOC T-TESTS (L'EVENE'S TEST (Same format as One-Way ANOVA) INTRO A two-way ANOVA was conducted to examine the effect of sex and nationality on love for soccer in the population. A two-way ANOVA was conducted to examine the effect of sex and nationality on love for soccer in the population. F-TESTS (MAIN EFFECTS) The analysis of variance showed a significant strenge effect of nationality on love for soccer, F22880-2100, Sec00, fm-22, The null hy- pothesis is rejected. There was no significant affect of sex and version services the strained. F-TEST (INTERACTION EFFECT) The analysis shows a significant interaction effect between sex and nationality, <b>INTEREACTION EFFECT</b> . The analysis of pool fm-23. The effect of nationality on love for soccer is different for males and females. The null hypothesis is rejected.	HO CHI-SQUARE TEST The measure of association Goodman and Kruskal's Tau (r) for the association between favorite TV chan- nel and sex is equal to 0 in the population. INTRO A chi-square analysis was conducted to check wether there is any association between chosen favorite TV channel and sex in the population. CHI-SQUARE TEST We found a significant but wors association between channel (dependent variable) and sex (independent variable), <u>red, wear</u> association between channel (dependent variable) and sex (independent variable), <u>red, wear</u> association between channel (dependent variable) and sex (independent variable), <u>red, wear</u> association between channel (dependent variable) and sex (independent variable), <u>red, wear</u> association between channel (dependent variable) and sex (independent variable), <u>red, wear</u> association between channel (dependent variable) and sex (independent variable), <u>red, wear</u> association between channel (dependent variable) and sex (independent variable), <u>red, wear</u> association between channel (dependent variable) and sex (independent variable), <u>red, variable</u> ) association between channel (dependent variable) and sex (independent variable), <u>red, variable</u> ) association between channel (dependent variable) and sex (independent variable), <u>red, variable</u> ) association between channel (dependent variable) and sex (independent variable), <u>red, variable</u> ) and sex (independent variable), <u>red, variable</u> ) association between channel (dependent variable) and sex (independent variable), <u>red, variable</u> ) association between channel (dependent variable) and sex (independent variable), <u>red, variable</u> ) association between channel (dependent variable) association		H0 T-TEST The correlation coefficient for the relation- ship between time watching TV and time on internet is equal to 0 in the population. INTRO We checked for the correlation between time spent watching TV and time spent on the internet. I-TEST The results revealed a significant moderate positive relationship between the time on TV and time on internet, =-ab second. The null hypothesis is rejected.	NTRO We conducted a linear regression to test the effect of neuroticism and # of bikes stolen (ndependent variable) on bike insurance purchase intention (dependent variable). F-TEST (MODEL) The regression model was significant and the regression model was significant and wariance in purchase intention, reflecting a strong prediction (Strong Bold). THE BETA COEFFICIENTS Neuroticism is a significant moderate pre- dictor of purchase intention, reflecting a Lickor of purchase intention, accounts a significant moderate pre- dictor of purchase intention, accounts a significant moderate pre- predictor in purchase intention accounts (Strong Prediction (Strong Bold). Also, # of bikes stolen is a significant strong process intention gase up by 20 points. For every unit increase in neuroticism, purchase intention gase up by 20 points. For all these effects other independent variables are assumed to be held constant.	INTRO A principal axis factor analysis with Direct Oblimin rotation was conducted with 8 litems that measure personality traits. ASSUMPTIONS KMO's measure of sampling adequacy is good, and Bartlett's test of sphericity is significant (ac00). ANALYSIS The scree plot shows that two factors are above the point of inflection, with Eigenvalues above 1 (factor 1 is 4.00°, and factor 2 is 150°). Factor 1 is consisted of 5 items measuring extraversion. Factor 2 is consisted of 3 items and measures open-mindedness. VARIANCE In total, the factors explained 50% of the variance in the 8 items, with factor 1 accounting for 60% of the variance explained, and factor 2 adding 10% of explained variance.	INTRO A reliability analysis was conducted to assess the internal consistency of factor 1 measuring "extraversion". RELUBILITY Internal consistency of factor 1 is excellent, as 90.		
		ALT. CONFIDENCE INTERVAL			← and ← pairs, but retained for C ← O.     VARIANCE     Nationality explained 25% of the variance in     love for soccer.     POST HOC REPORTS IN APA	III I I I I I I I I I I I I I I I I I	COLLAPSING CATEGORIES?			DISTRIBUTION FOR b NEUR.	NEGATIVE FACTOR LOADINGS	REVERSE CODING		
	FAQ	The CI above shows the differ- ence between both means. If we want to find the CI for the Dutch age average, we add the test value to the initial CI, end- ing up with CI[37.00, 39.00].			(1) Mention <u>M+SD</u> after every group. (2) Mention <u>p-value</u> at end of every pair. (3) Do not repeat <u>M-SD</u> if already mentioned. → GROUP 1 (M, SD) vs. GROUP 2 (M, SD, p) → GROUP 2 vs. GROUP 3 (M, SD, p) → GROUP 2 vs. GROUP 3 (p) LOOK AT ETA FOR STRENGTH RFPORT FTA <sup>3</sup>	The order of fixed factors does not alter the results. That is, there is no need to specify which of the two factors is the moderator be- cause mathematically it makes no difference. HIT <u>ADD</u> WHEN GENERATING PLOT! LOOK AT <b>STA</b> FOR STRENGTH REPORT FTAP	If you do not manage to meet the as can try decreasing the number of ca example, instead of school, college, as options, you can regroup them int education. → When asymmetric, clearly state wi dependent and which is independent	sumptions, you tegories. For master's, phd to high and low hich variable is t.		b means "Unstandardized Beta Coefficient", b <sup>+</sup> means "Standardized Beta Coefficient". NEGATIVE BETA COEFFICIENT? If your b is negative, the interpretation changes to: for every unit increase in X, Y "gees down by #" —always measured in the unit of the dependent variable.	Negative loadings often indicate items that requires reverse coding. A SUBJECTIVE ANALYSIS You might have to make choices allocating or deleting items that do not seem to be vaild. Simply make sure to state your rationale when reporting.	Make sure all the negatively loaded litems are reverse codes prior to trunning your reliability analysis. MORE ITEMS OVER HIGHER $\alpha$ Prioritize having more items over improving $\alpha$ . Never delete items if $\alpha > 8$	Go to https://megatable.org for a free updated PDF version © Isague Senera - 202	
		I	1	1			I		1	1	1	1		