The Sexy Seven Descriptors of Sexuality in Brazil and their Relationships with Big Five Factors of Personality, and Self-Esteem

Jean C. Natividade | Claudio S. Hutz e-mail: jeannatividade@gmail.com

Sexy seven and Big 5

2795.5 (2559.9)

2.76 (2.52)

Seven factors

by all of the sexuality characteristics-related items. Two-factor A: model delineated according to the hypothesis of Schmitt and Buss (2000). It was specified with two correlated factors,

one explaining Sexual Attractiveness, Sexual Orientation and Sexual Restraint and the other by Gender Orientation, Emotional Investment and Relationship Exclusivity. Both factors were

in Study 1 from this research. Single-factor B: model specified with a single factor explaining all of the sexuality characteristics items and by the Big 5 factors. Two-factor B: model specified

with two correlated factors, one explaining the sexuality characteristics items and the other by items from the Big 5 model. Five factors: model specified according to the results of Schmitt

greeableness and Emotional Investment items; another by Sexual Attractiveness, Extraversion, Erotophilic Disposition and Sexual Restraint; another by items from Openness and Sexual

Chi-square/Degrees of freedom ratio; GFI; Goodness-of-Fit Index; AGFI; Adjusted Goodness-of-Fit Index; NFI; Normed Fit Index; TLI; Tucker-Lewis Index; CFI; Comparative Fit Index;

RMSEA: Root Mean Square Error of Approximation; CI 90% RMSEA: 90% Confidence Interval; CAIC: Consistent Akaike Information Criterion

Reliability coefficients, means, standard deviations and effect sizes of gender differences of the sexuality dimension

Note. Gender differences verified using Student's t-test. Negative Cohen's d (1962) indicates higher means for men

Erotophilic Disposition Emotional Investment

162) exploratory analysis for determining the sexuality and Big 5 dimensions. Five factors model was specified with five correlated factors: One was explaining by the

by Neuroticism items and Gender Orientation; and another by the Conscientiousness and Relationship Exclusivity items. χ²: Chi-square; df: Degrees of freedom; χ²/df:

n = 291

Studies oriented by the Big Five Model usually start from a wide range of descriptors of human characteristics. These descriptors undergo a series of procedures aiming to reduce the number of words submitted to empirical testing (John et al., 1988). Some characteristics that are often excluded after those procedures refer to sexuality.

However, when Buss and Schmitt (2000) included some words that describe sexual characteristics in a study conducted to test the replicability of the model, these authors found seven dimensions of sexuality with adequate internal consistency:

- 1) Sexual attractiveness: evaluation of the own potential to be physically attractive to prospective mates
- 2) Relationship exclusivity: willingness to engage in exclusive romantic relationships 3) Gender orientation: how people are
- classified according to gender roles 4) Sexual restraint: level of restriction for sexual practice
- 5) Erotophilic disposition: motivation for having sex
- 6) Emotional investment: willingness to invest emotionally in a relationship
- 7) Sexual orientation: how people are characterized in terms of sexual orientation

Based on Evolutionary Psychology and taking the Lexical Hypothesis into account, sexual descriptors should be part of spoken language in all human cultures. Curiously few studies investigated the emergence of dimensions of sexuality in other cultures. Besides that, there is no evidence sexuality descriptors contribute to predict psychological variables beyond the traits assessed by the Five Factor Model (FFM).

Goals

The present research aimed to map the structure of sexuality person descriptors on Brazilian Portuguese language, and to test relationships between sexuality and big five personality traits.

Method

Participants

RIO

Pontifical Catholic University of

Rio de Janeiro

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Laboratório de Pesquisa em

Psicologia Social

Study 1

Participants of the first study were 331 individuals. Most of them (73.4%) were undergraduate students and 65% were women. The average age was 23.3 years (SD) = 4.53). Around half of the participants (56.2%) responded an online questionnaire and the others responded a paper and pencil version.

Study 2

Participants of the second study were 723 individuals participated, 59.8% of whom were women. The mean age of the women was 26.2 years (SD = 8.22 years), and the mean age of the men was 29.9 years (SD = 8.25) years). This age difference between women and men was significant, t(712) = 4.21, p < 1.001; d = 0.32. Education varied from incomplete undergraduate education (51.7%) to bachelor's degree (48.3%).

Results

Study 1

A seven factor solution, similar to the findings of Schmitt and Buss (2000), was extracted (KMO= .82, Bartlett's: p < .001). Four items did not show satisfactory factor loadings and were thus excluded from the final analysis. The items and their factor loadings are reported in Table 1, as well as internal consistency of the seven factors. Table 2 shows correlations with the big five factors.

	1	2	3	4	5	6	7	8	9	10	11	12	R
I. Sexual Attractiveness		03	.20**	.30**	13**	06	.01	05	24**	.18**	.10**	.29**	.35
2. Gender Orientation	09		.12**	11**	06	.02	12**	.02	.04	06	05	.002	.1
3. Erotophilic Disposition	.28***	.07		01	34**	-23**	-22**	.22**	.13**	11**	30**	.21**	.4
I. Emotional Investment	.33***	17**	.02		.18**	.02	.09*	08 [*]	.17**	.34**	.12**	.12**	.3
6. Relationship Exclusivity	12*	06	33***	.31***		.36**	.17**	09*	10**	.04	.16**	27**	.3
6. Sexual Orientation	.01	06	29***	.08	.28***		.09*	07 [*]	.003	.04	.15**	22**	2
. Sexual Constraint	12*	05	-20***	.05	.15**	.03		09^{*}	28**	02	.11**	22**	.3
3. Neuroticism	10	.09	.22**	21**	21**	12	02		01	25**	-22**	.03	
). Extraversion	.39***	15	.17*	.17*	09	01	-22**	09		.48**	.04	.27**	
Agreeableness	05	09	38***	.30***	.24***	.21**	.09	36***	09		.16**	.19**	
1. Conscientiousness	.06	12	-26***	.19**	.23**	.07	.15*	30***	02	.35***		04	
2. Openness	.16*	.04	.31***	.11	13	12	20**	.12	.23**	04	06		
	.41	.21	.50	.40	.32	.23	.30						

Study 2

correlated seven factors that explained their respective items was specified in accordance with the structure that was found in Study Table 3 shows the coefficients. Table 4 shows reliability coefficients and sex differences.

The predictive value of sexuality characteristics in explaining the variance in a construct beyond the Big 5 factors was tested. For this purpose, a hierarchical regression analysis was performed. This analysis included self-esteem as the dependent variable and the following independent variables: step 1 (gender and age), step 2 (five main factors), and step 3 (seven of dimensions sexuality).

The coefficients are shown in Table 5. One can observe that the addition of the Big 5 factors explained 25% of the variance in self-esteem, and the addition of dimensions the sexuality explained 6%. Both of these sets of variables significantly explained the self-esteem variance.

	Step 1			Step 2			Step 3			
	β	t	p	β	t	p	β	t	р	
Constant	(3.03)	32.8	<.001	(2.42)	14.5	<.001	(2.55)	9.80	<.00	
Sex (masculine)	.04	1.03	.30	.03	0.90	.37	.09	1.32	.19	
Age	.19	5.13	<.001	.09	2.70	.007	.07	2.23	.03	
Agreeableness				.07	1.93	.05	.06	1.48	.14	
Extraversion				.12	3.28	.001	.08	2.15	.03	
Conscientiousness				.29	8.42	<.001	.25	7.17	<.00	
Neuroticism				30	-8.39	<.001	28	-8.19	<.00	
Openness				.06	1.79	.07	.02	0.47	.64	
Gender Orientation							01	-0.16	.87	
Emotional Investment							01	-0.42	.67	
Erotophilic Disposition							10	-2.66	.00	
Sexual Orientation							005	-0.15	.88	
Relationship Exclusivity							.06	1.59	.11	
Sexual Restraint							09	-2.62	.00	
Sexual Attractiveness							.25	7.09	<.00	
R^2		.04			.28			.34		
F		14.9***			39.7***			25.6***		
ΔR^2					.25			.06		
ΔF					47.6***			8.44***		

Adjustment coefficients of the models tested in the Confirmatory Factor Analyses

Instruments

Study 1

Two versions (online, paper-and-pencil) of a questionnaire with a list of 32 sexuality descriptors originated from two previous studies with Brazilian samples. Participants had to inform in which degree each descriptor characterized them using a 7 points scale.

Study 2

Online questionnaire containing one list of 28 sexuality adjectives derived from Study 1, a brief five-factor personality scale, and the Rosenberg's self-esteem scale.

Procedures

Paper-and-pencil respondents were recruited in two universities and responded the instrument in their classrooms. Online respondents were recruited through invitations by emails and links in social network websites.

> CONTACT L2PS – PUC-Rio Jean C. Natividade e-mail: jeannatividade@gmail.com Rua Marques de São Vicente, 225 Rio de Janeiro, RJ – Brazil

Conclusion

This study attested the existence of of descriptors characteristics personal concerning sexuality in the Brazilian culture. These descriptors represented the same seven dimensions found by Schmitt and Buss (2000).

Our findings support the idea that sexual dimensions of person description are not subsumed, but go beyond the Five Factors when explaining personality. Stating that means to reinforce the notion that the Big Five and the Sexy Seven refer to independent constructs and can, consequently, provide different kinds of information to explain diverse psychological variables.

References

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