Disparities in wellbeing and sense of belonging among queer affirming UPRRP

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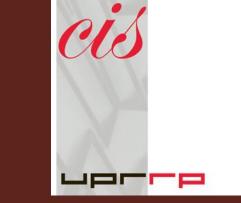


Figure 6

multivariate normality.

ASSUMPTIONS

Chi-square Q-Q plot of model residuals to test



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(2) SENSE OF BELONGING

affirming and heteronormative groups.

Figure 5

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INTRODUCTION

The UPR student body has witnessed various adverse circumstances in Puerto Rico. Compounded hurricanes, earthquakes, fiscal political crises, and the COVID-19 have undoubtedly disrupted students' well-being and abilities to engage with university life. With growing concern over if these difficulties disproportionately affect vulnerable groups, particularly the queer community, we aim to identify potential disparities in the wellbeing and sense of belonging between heteronormative and queer-affirming UPRRP students.

METHODS

A convivence sample of 750 students was recruited to complete an online questionnaire. However, 287 cases were eliminated due to missing data, survey errors, and multivariate outliers. Aside from sociodemographic query, the questionnaire tackled 10 needs measures. The database for the sample was created using SPSS v. 27 and Intellectus Statistics led MANOVA statistical analyses.

RESULTS

Comparing average senses of wellbeing and university belonging between queer and cisheteronormative groups.

Table 1

	\MoI	Wellbeing		Sense of		
	wei	ibeing	belonging			
	Χ¯	SD	Χ¯	SD		
Queer groups	158.08	24.69	76.20	14.32		
Cisheteronormative	169.95	27.3	79.37	16.32		
groups						

CONTACT INFORMATION

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SOCIODEMOGRAPHIC DATA

Description of participants' gender identity. **Gender identity** n 327 62.88 Woman Man 27.88 0.19 Trans man Non-binary 2.12 3.08 Queer Other

AGE Participants had an average age of 24.95 years. (SD = 9.03, $SE_M = 0.40$, Min = 17.00, Max = 77.00, *Mdn* = 21.00).

Description of participants' sexual orientation.				
Sexual orientation	n	%		
Heterosexual	330	63.46		
Gay	24	4.62		
Lesbian	17	3.27		
Bisexual	59	11.35		
Pansexual	23	4.42		
Other	10	1 92		

Table 3

MANOVA

A MANOVA was conducted to assess if there were significant differences in the linear combination of Wellbeing and Sense of belonging subscales between queer affirming and heteronormative participants, F(9, 443) = 7.15, p < .001, $\eta 2p = 0.13$.

Variable	Piallai	F	df	Residual <i>df</i>	p	$\eta_{p}2$
Sexual Orientation	0.13	7.15	9	443	<.001	0.13

POSTHOC ANALYSES

1 WELLBEING

Table 2

Figure 1 Comparison of self-acceptance subscales between queer affirming and heteronormative groups

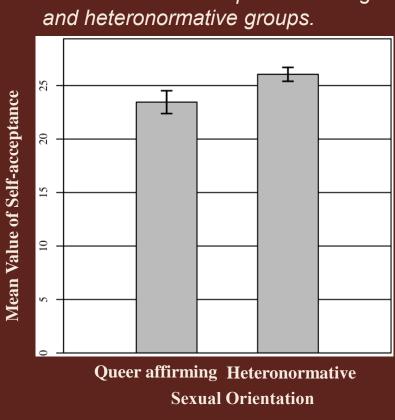


Figure 3 Comparison of setting domain subscales between queer affirming and heteronormative groups.

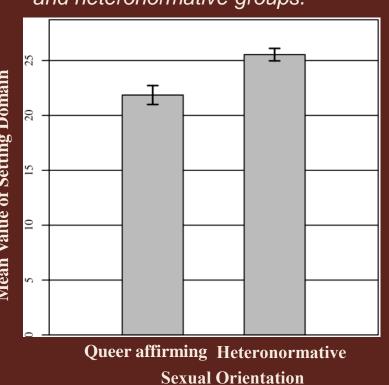


Figure 2 Comparison of autonomy subscales

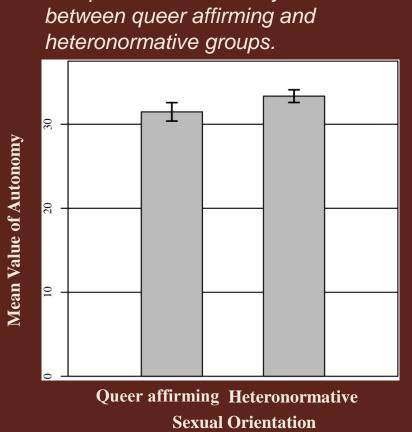
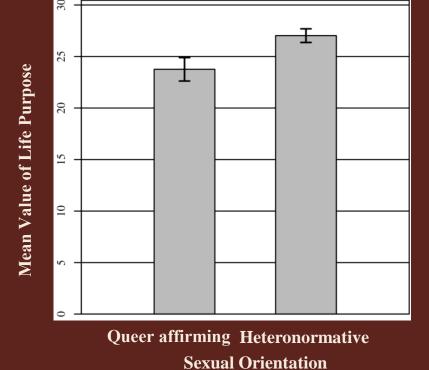


Figure 4 Comparison of life purpose subscales between queer affirming and heteronormative groups.



Orieritation.		
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Pansexual	23	4.42
Other	10	1.92

Mahalanobis Distance²

Homogeneity of Covariances Matrices $\chi^2(45) = 68.00, p = .015$

Multivariate Outliers

Three observations were detected as outliers.

Absence of Multicollinearity

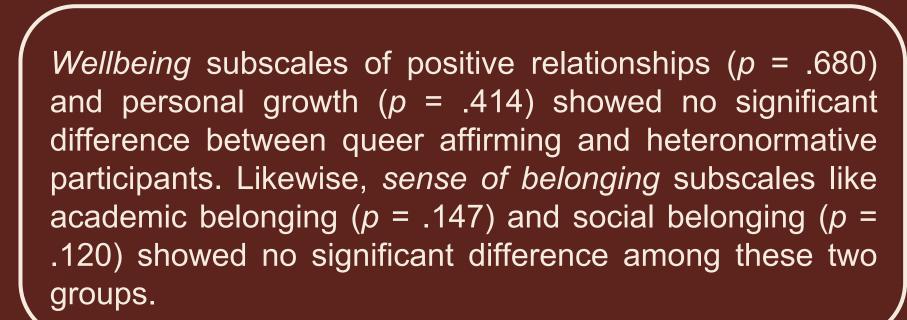
All variable combinations had correlations <0.9, therefore, results are unlikely to be significantly influenced by multicollinearity.

DISCUSSION

affirming students lower heteronormative counterparts in several of the subscales in the sense of belonging and wellbeing scales. This underlines the need for interventions and university policies and practices tailored to the queer community that address and combat disparities in overall wellbeing and sense of belonging among queer affirming student populations.

LIMITATIONS

Limitations include a failure to meet the assumption of homogeneity of variance and significant differences in group sample sizes. These limitations should be recognized when interpreting the results and considered in the context of the research design.



Sexual Orientation

Queer affirming

Comparison of feelings of university support subscales between queer