

Association Between Acculturative Stress and Drinking Among Hispanic/Latino Immigrant Undergraduates Moderated by Drinking to Cope and Social Norms

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Introduction

- Hispanic/Latino students may not consider themselves “typical” students (McCabe et al., 2019).
- Normalized alcohol use among Hispanic/Latino students could be related to coping motives and acculturation (Conn et al., 2017).
- Past literature demonstrates that acculturative stress is associated with drinking and overestimating peer drinking is associated with drinking (LaBrie et al., 2011; Lui & Zamboanga 2018).

Hypotheses

- Acculturative stress will be positively associated with drinking outcomes
- Associations between acculturative stress and drinking will be stronger for those who endorsed drinking to cope and for those who reported higher perceived drinking norms.

Methods

Participants

- 112 Hispanic/Latino undergraduates (87.5% females, M_{age} =20.80, SD_{age}= 1.80)
- 66.96% from Mexico, 13.39% from El Salvador, 4.46% from Venezuela

Measures

- Descriptive Social Norms: Drinking Norms Rating Form (DNRF; Turrisi, Mastroleo, Mallett, Larimer, & Kilmer, 2007)
- Alcohol-related Consequences: The Young Adult Alcohol Consequences Questionnaire
- Acculturative Stress: The Social, Attitudinal, Familial, and Environmental Acculturative Stress Scale (SAFE; Padilla et al., 1985; Mena et al., 1987)
- Drinking to Cope: Drinking Motives Questionnaire (Cooper, 1994)

Data Analytic Strategy

- Outcomes were count variables bounded by zero, so a negative binomial regression model was used. All predictors were mean-centered.

References

Alamilla, S., Barney, B., Small, R., Wang, S., Schwartz, S., Donovan, R., & Lewis, C. (2020). Explaining the Immigrant Paradox: The Influence of Acculturation, Enculturation, and Acculturative Stress on Problematic Alcohol Consumption. *Behavioral Medicine (Washington, D.C.)*, 46(1), 21–33. <https://doi.org/10.1080/08964289.2018.1539945>

Bekteshi, V., & Kang, S. (2020). Contextualizing acculturative stress among Latino immigrants in the United States: a systematic review. *Ethnicity & Health*, 25(6), 897–914. <https://doi.org/10.1080/13557858.2018.1469733>

Conn, B., Ejesi, K., & Foster, D. (2017). Acculturative stress as a moderator of the effect of drinking motives on alcohol use and problems among young adults. *Addictive Behaviors*, 75, 85–94. <https://doi.org/10.1016/j.addbeh.2017.06.017>

LaBrie, J., Atkins, D., Neighbors, C., Mirza, T., & Larimer, M. (2011). Ethnicity specific norms and alcohol consumption among Hispanic/Latino/a and Caucasian students. *Addictive Behaviors*, 37(4), 573–576. <https://doi.org/10.1016/j.addbeh.2012.01.007>

Lui, P., & Zamboanga, B. (2018). A Critical Review and Meta-Analysis of the Associations Between Acculturation and Alcohol Use Outcomes Among Hispanic Americans. *Alcoholism, Clinical and Experimental Research*, 42(10), 1841–1862. <https://doi.org/10.1111/acer.13845>

McCabe, B., Lee, D., & Viray, T. (2019). Does Ethnicity Moderate the Link Between Drinking Norms and Binge Drinking in College Students? *International Journal of Mental Health and Addiction*, 17(3), 493–501. <https://doi.org/10.1007/s11469-018-0036-0>

Results

Acculturative Stress

- Not associated with either drinking outcome

Drinking to Cope

- Positively associated with both weekly drinks ($b=0.969, p=.010$) and alcohol-related consequences ($b=1.590, p=.002$)

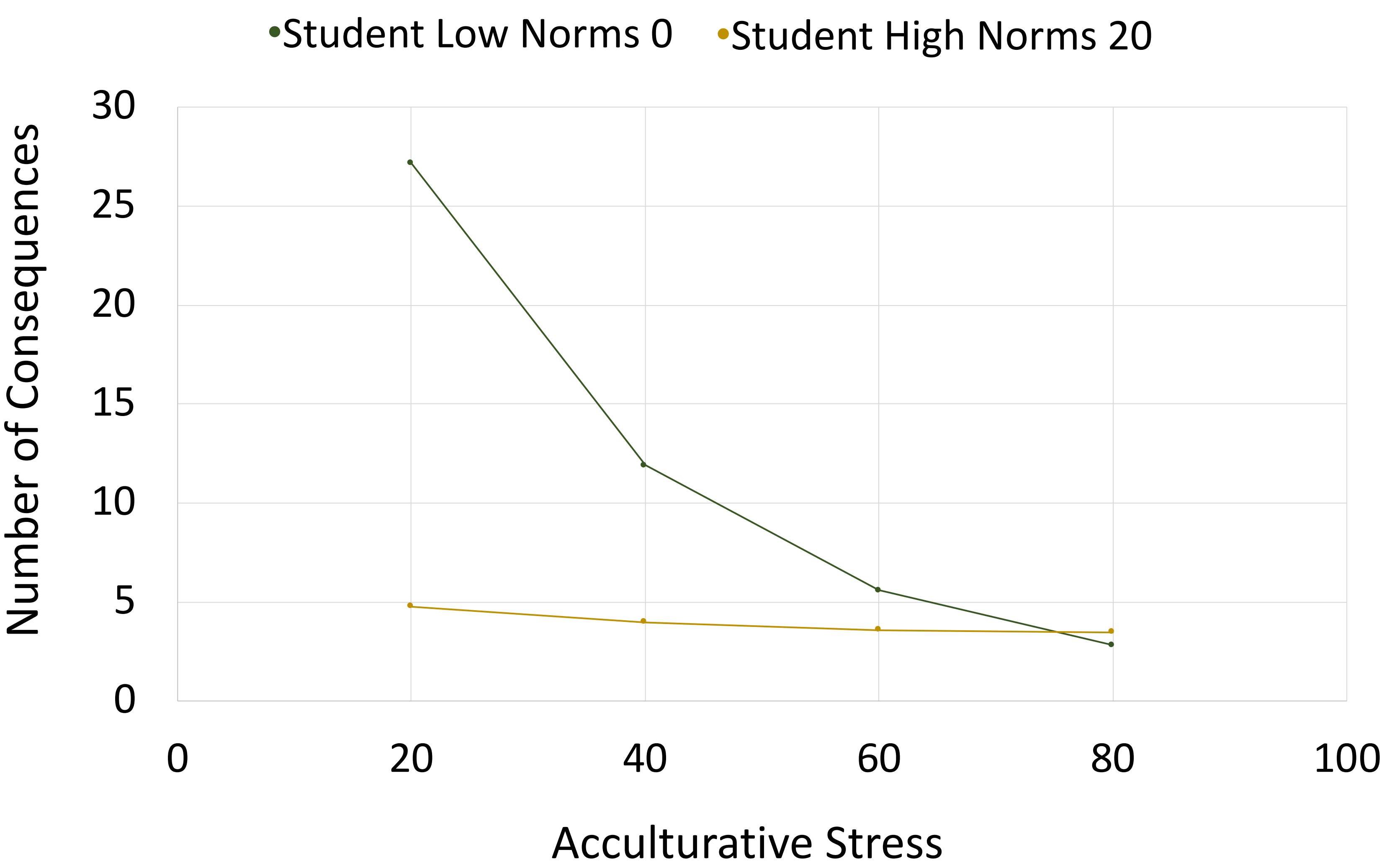
Social Norms

- Negativity associated with alcohol-related consequences ($b=-0.121, p=.021$)

Interaction

- Significant interaction between acculturative stress and drinking norms ($b=.001, p=.049$)

Two-Way Interaction Between Acculturative Stress and Students Norms Predicting Alcohol-related Consequences



Discussion/Limitations

- Acculturative stress was not associated with either drinking norms
- The immigrant paradox or unmeasured protective factors could have influenced these findings (Alamilla et al., 2020; Bekteshi & Kang 2020).
- We did not measure other aspects of alcohol nor examine Latino/Hispanic subgroups separately
- Future research should explore different drinking motives and its association with acculturative stress among immigrant students (Conn et al., 2017).