

# **Effects of Self-Care on Undergraduate Stress**

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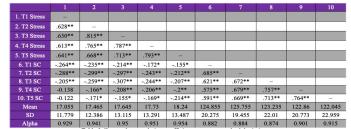
#### PRIOR RESEARCH

- High levels of stress negatively impact cognitive efficiency and mental performance (Chapell et al., 2005; Eysenck et al., 2007; Quach, 2016; Seipp, 1991).
- Chronic, untreated stress can lead to lasting physical impairments of cerebral structures (Bourgin et al., 2015; Kolb, 2016; Sapolsky, 2004, 2005).
- Self-care practices are significantly correlated to perceived stress levels (Ayala, 2016; Colman et al., 2016; Myers et al., 2012; Orozco, 2015; Slonim et al., 2015).
- Most studies examining self-care have used graduate student samples. This may reduce the generalizability of past research as graduate students might display more acclimation to a stressful academic environment.
- The present study therefore examined the relationship between stress and self-care in an undergraduate student population.

## **METHOD**

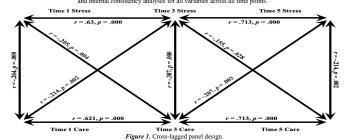
- 200 undergraduate college students (43 males, 156 females,  $M_{age} = 21.22$ , SD = 6.42) participated in this study.
- Participants completed an online survey that consisted of a demographic questionnaire, the Mindful Self-Care Scale (Cook-Cottone, 2014), and the Depression Anxiety Stress Scale (Lovibond & Lovibond, 1995) 5 times over the course of the semester at weeks 3, 6, 9, 12, and 15 of the semester.
- Steps were taken to incentivize participants to ensure continued participation and to reduce attrition.

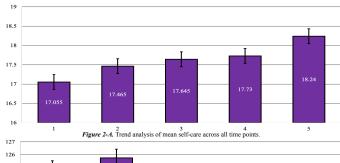
#### **RESULTS**

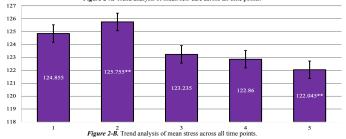


\*\*p < .01; \*p < .05

Table 1. Zero-order correlation coefficients, means, standard deviations and internal consistency analyses for all variables across all time points







#### **DISCUSSION**

- These results suggest that student predispositions to stress may predict self-care and that predispositions toward self-care may predict stress later in the semester. For instance, selfcare measured at the beginning of the semester may predict stress at mid-terms and finals.
- The ability to predict which students may be predisposed to suffer from high stress can prove useful to colleges and universities.

### **LIMITATIONS**

- As this study was exploratory, confirmatory research will need to be conducted to replicate and confirm these results.
- Although correlations between stress and selfcare at different points were statistically significant, the amount of variance accounted for was approximately 2.5%. As a result, although stress and self-care are related, other factors account for variance in both variables.
- The sample was predominantly female, limiting the generalizability of these findings.
- Although efforts were made to reduce attrition, participant attrition was nearly 50%. However, post-hoc analyses did not reveal any significant differences between those who did and did not complete the study on the variables assessed.

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