

Relationship Between Indicators of Psychological Well-Being and Survey Completion

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Importance of Participant Retention

- Attrition is an issue in studies, particularly those that take place across several time points (Bell et al., 2013)
- Participants that complete a study may differ from participants who drop out
- Equal dropout rates \neq unbiased results (Bell et al., 2013)

What Predicts Attrition?

- No demographic or diagnostic differences - Bruce et al., 2005
- Failure to locate and refusal have different characteristics – Eaton et al., 1992
- Relationship to scores on Center for Epidemiological Studies - Depression – Farmer et al., 1994
- → Findings are inconclusive

Psychological Well-Being in College Students

- In the past 25 years, reports of anxiety and depression among emerging adults has increased 75%
- Among college students, 41.6% report anxiety concerns
- 72% of surveyed undergraduates reported that they have felt “very sad” in the past year
- In the United States, 46.0% of undergraduates reported elevated psychological distress since the onset of the COVID-19 pandemic

What are the predictors of survey completion among college-aged participants?

Methods

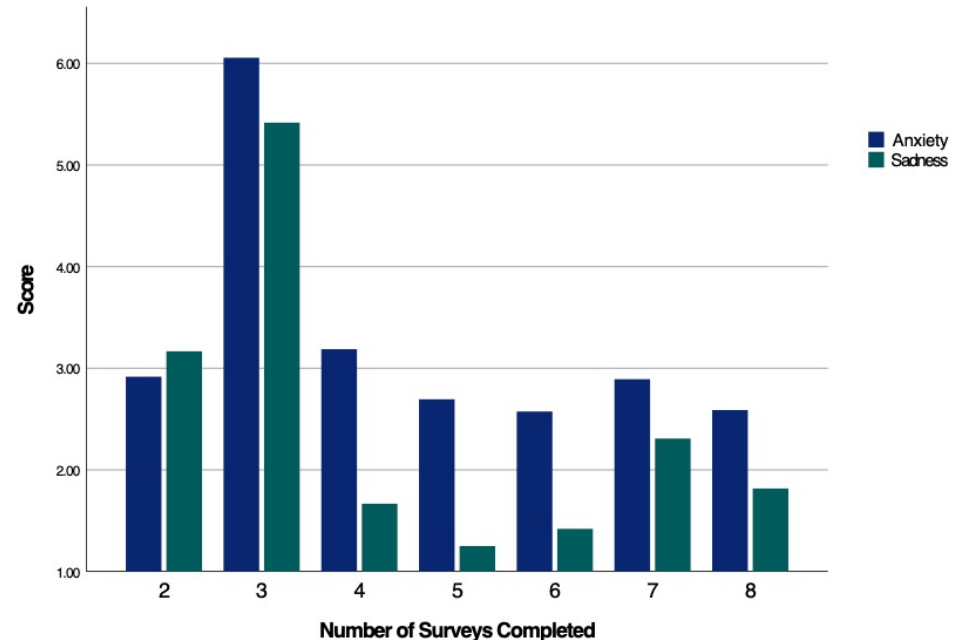
- Data were collected as a part of a larger study: *The Relationship Between Instagram Use and Anxiety/Depressive Symptoms: A Daily-Diary Study*
- IPIP Scale Based on NEO-PI-R
- eMindLog
- COVID-19 items

Demographics

- $N = 109$
- 75.5% White/European American ($n = 74$)
- 62.6% Cisgender Female ($n = 62$),
- Age range 18-29 years; 53.7% 18 years old ($n = 51$)

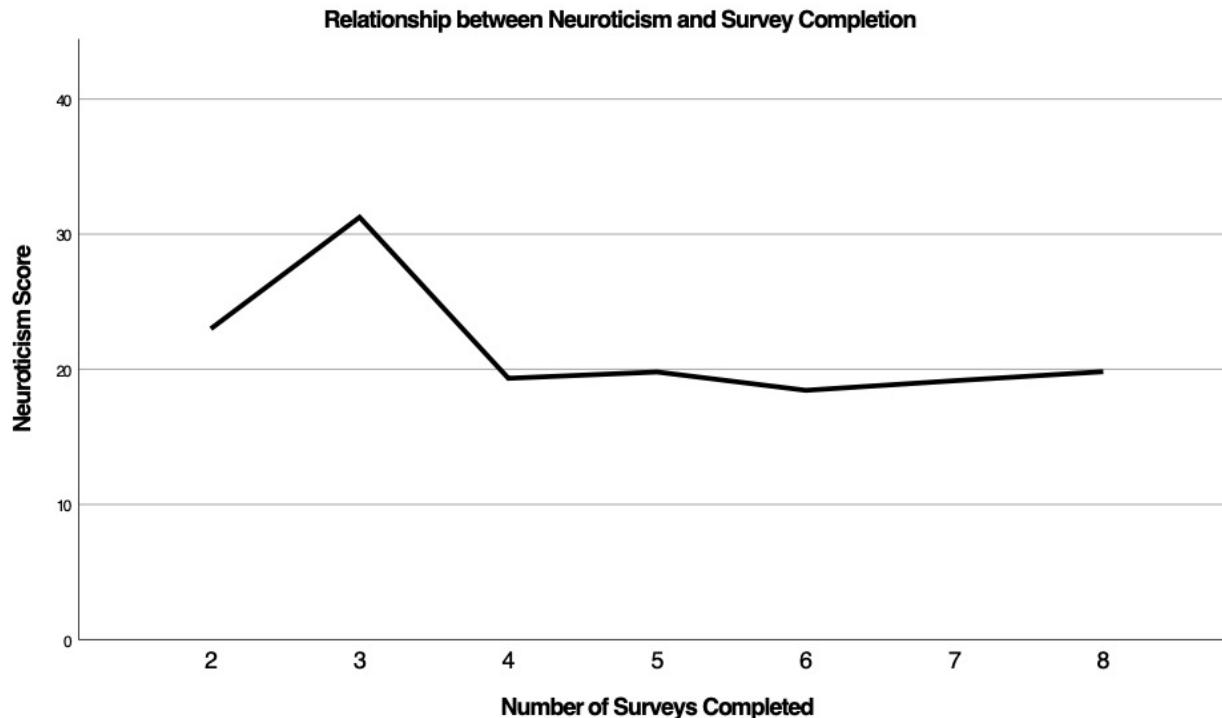
Results

Number of surveys completed was negatively correlated with average anxiety ($r = .223$, $p = .020$) and average sadness ($r = -.189$, $p = .049$)



Results

Number of surveys completed was also negatively correlated with neuroticism-depression ($r = -.213, p = .034$)



Implications and Future Directions

- Strategies for participant retention (Teague et al., 2018)
- Barrier-reduction strategies seem to be better predictors of improved retention
 - Alternative methods of data collection
 - Collecting detailed contact information
- More retention strategies does not result in higher retention rates

References

- American Psychological Association (2020). Stress in America™ 2020: A National Mental Health Crisis.
- Mondin, T. C., Konradt, C. E., Cardoso, T. de A., Quevedo, L. de A., Jansen, K., Mattos, L. D. de, ... Silva, R. A. da. (2013). Anxiety disorders in young people: a population-based study. *Revista Brasileira de Psiquiatria (Sao Paulo, Brazil: 1999)*, 35(4), 347–352.
- Ph. D. Brian J. Mistler, Ph.D. David R. Reetz, Ph.D. Brian Krylowicz, Ph. D Vicotr Barr. (September 1, 2011 through August 31, 2012). *The Association for University and College Counseling Center Directors Annual Survey*. Retrieved from http://files.cmcglobal.com/Monograph_2012_AUCCCD_Public.pdf
- Kibbey, M. M., Fedorenko, E. J., & Farris, S. G. (2021). Anxiety, depression, and health anxiety in undergraduate students living in initial US outbreak “hotspot” during COVID-19 pandemic. *Cognitive Behaviour Therapy*, 50(5), 409-421.
- American College Health Association. American College Health Association-National College Health Assessment II: Undergraduate Student Executive Summary Fall 2018. Silver Spring, MD: American College Health Association; 2019.
- Royal Society for Public Health, & Young Health Movement. (2017). StatusOfMind social media and young people’s mental health and wellbeing. Retrieved from <https://www.rsph.org.uk/uploads/assets/uploaded/62be270a-a55f-4719-ad668c2ec7a74c2a.pdf>
- Bell, M. L., Kenward, M. G., Fairclough, D. L., & Horton, N. J. (2013). Differential dropout and bias in randomised controlled trials: when it matters and when it may not. *Bmj*, 346.
- Cardel, M. I., Manasse, S., Krukowski, R. A., Ross, K., Shakour, R., Miller, D. R., ... & Hong, Y. R. (2020). COVID-19 impacts mental health outcomes and ability/desire to participate in research among current research participants. *Obesity*, 28(12), 2272-2281.
- Teague, S., Youssef, G. J., Macdonald, J. A., Sciberras, E., Shatte, A., Fuller-Tyszkiewicz, M., ... & Hutchinson, D. (2018). Retention strategies in longitudinal cohort studies: a systematic review and meta-analysis. *BMC medical research methodology*, 18(1), 1-22.