Mobile Data Collections for Mental Illness Screening

ML Tlachac, Data Science PhD Candidate
Advisor: Elke Rundensteiner

DepreST Collection

Control

No Fact

Stereotype Threat
reminder of a stereotype impacts behavior

SADD Collection

Dataset	Moodable	EMU	SADD	DepreST
Year	2017-2018	2018	2020-2021	2021
Participants	300+	60+	300+	400+
Population	MTurk	MTurk	Students	Prolific
Labels	PHQ-9	PHQ-9, GAD-7	PHQ-9	PHQ-9, GAD-7
Text Messages	Content	Content	Only Logs	Content

References

- Dogrucu, et al. "Moodable: on feasibility of instantaneous depression assessment using machine learning on voice samples with retrospectively harvested smartphone and social media data." *Smart Health* (17), 2020
- Tlachac, et al. "EMU: Early Mental Health Uncovering Framework and Dataset." In Submission
- Gratch, et al. "The distress analysis interview corpus of human and computer interviews." *LREC*, 2014.
- Cai, et al. "MODMA dataset: a Multi-modal Open Dataset for Mental-disorder Analysis." *arXiv preprint*, 2020
- Burgess, et al. "Stereotype threat and health disparities: what medical educators and future physicians need to know." *Journal of general internal medicine* (25.2), 2010
- Tlachac, M. L., and Elke Rundensteiner. "Screening for depression with retrospectively harvested private versus public text." *IEEE journal of biomedical and health informatics* (24.11), 2020