Collaborative Replications and Education Project (CREP): Teaching Scientific Transparency in Methods Classes

C. Neacsiu, C. Baciu, T. Peck, J. Wagge, N. Legate, C. Christopherson, B. Wiggins, M. Brandt, & J. Grahe

Background

The Collaborative Replications and Education Project (CREP) is a crowdsourced replication project for undergraduate students. Hosted on the Open Science Framework (https://osf.io/wfc6u/), the CREP started in 2013 as a mechanism of addressing students’ and teachers’ needs for hands-on research experience.

CREP process intended to train future scientists is best practices in transparency and is the only open invitation meta-science project developed specifically for student contributors.

Objectives

--Increase openness and transparency in research.
--Facilitate undergraduate research training.
--Provide Research Methods instructors with a scaffolded research project for classroom use.
--Provide reportable outcomes for instructors in tenure and promotion process.
--Provide generalizable meta-analytic estimates of published research findings.

Methods

Currently, the CREP recommends eight different studies for student replication. The studies were chosen by assessing for:
1. most cited paper in a recent year
2. feasibility for student replication

Results

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Contact Information: Jon Grahe -- graheje@plu.edu