

TYPES OF NON-HUMAN SUBJECTS RESEARCH



QUALITY IMPROVEMENT RESEARCH

Systematic, data-guided activities, designed to bring about immediate improvements in particular settings. Not generalizable but may be useful beyond the setting.



RESEARCH WITHIN PEDAGOGICAL SETTING

Knowledge and skills imparted in an educational context. Not generalizable and not disseminated beyond classroom, Activity within normal education practice.



ARCHIVED/SECONDARY DATA

Makes use of already-existing data made readily available for researchers to use for their research. May be generalizable, and may be disseminated past classroom. Not necessarily public.



PUBLICLY-AVAILABLE DATA

Data sets where a research project was conducted and the data from the project was then made available for public use. Generalizable and can be disseminated.



QUALITY IMPROVEMENT RESEARCH EXAMPLES

- Student Services department works with the Student Government Association to assess opportunities to improve the services to and support for LGBT+ students at CMU.
- Nursing faculty investigate what it means to have "high-quality" simulation labs within their discipline, hoping to improve CMU's nursing program sim labs.

RESEARCH WITHIN PEDAGOGICAL SETTING EXAMPLES

- During lab, students measure blood glucose before and after drinking lemonade to share findings with the class.
- The class completes a survey asking about study habits during a course survey project to be shared at the end of the semester as a class presentation.
- Students measure classmates' resting heart rate during a 3-minute step test to apply statistical techniques to answer questions about the data for an assignment.

ARCHIVED/SECONDARY DATA EXAMPLES

- Students in a history class are researching using a run of CMU's Criterion (student paper) from 2000-2010.
- Students are using the Census to build maps showing demographic changes, by county, in Colorado.

PUBLICLY-AVAILABLE DATA EXAMPLES

- A professor in our Teacher Ed program is working with students on a research project using a database from the National Council for Education Statistics, with plans to present at a conference.
- Psychology faculty are analyzing the blog posts of on a site focused on motherhood.
- Hospitality and marketing faculty are analyzing Trip Advisor hotel ratings and comments from past customers.