

# 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.

## **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**
  - Systematic, data-guided activities, designed to bring about immediate improvements in particular settings. Not generalizable but may be useful beyond the setting.
- **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. No 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.