



Online Ethics Center
FOR ENGINEERING AND SCIENCE

The Ethics of Data Management

Author(s)

Xiaofeng Tang
Eduardo Mendieta
Thomas Litzinger

Year

2017

Description

This [online module](#) synthesizes ethics concepts, case studies, relevant policy, and best practices to assist the teaching and learning of ethical data practice in science and engineering research. Following the lifecycle of research data management, the module is organized in four related units:

Notes

We thank Elaine Gustus for instructional design support. The Rock Ethics Institute and the Leonhard Center for the Enhancement of Engineering Education at Penn State University sponsored the development of this module.

Resource Type

Case Study / Scenario
Instructor Materials

Topics

Animal Use
Bias in Research

Big Data
Conflict of Interest
Controversies
Data Management
Emerging Technologies
Human Subjects Research
Intellectual Property and Patents
Privacy and Surveillance
Research Misconduct
Social Responsibility

Discipline(s)

Engineering
Research Ethics