

Techniques

Observe a sample

Survey a sample

Experiment on a sample

Use data someone else has responsibly collected.

Data collection method

Way of directly measuring variables and gathering information.

Surveys - collect data by asking people directly.

Questionnaires - more common in quantitative research.

Interviews - more common in qualitative research.

Observations - collect data unobtrusively.

Quantitative observations - Systematically measuring data.

Qualitative observations - Taking detailed notes.

Other data collection methods

Media and communication

Psychology

Education

Physical sciences

Secondary data

Datasets, previous surveys.

Sourcing Digital Datasets: API Requests

The act of using HTTP requests in order to access datasets collected and maintained by other people. Common HTTP requests: GET, POST, PUT, DELETE.

HTTP - client request → ←response server

GET - simple requests for information, should only retrieve data

POST - modify the underlying data, create new resources

PUT - modify the underlying data, update existing data

DELETE - remove existing resources

CRUD - create read update delete

Sourcing Digital Datasets: Web Scraping

The act of extracting data from websites using the structure of HTTP.

Scraping and crawling exists in legal gray zones. Please make sure to review the Terms of Service of the sites you are trying to scrape.