

# DATA CURATION

Data curation is the active management of research data throughout a project to produce datasets that are **FAIR: Findable, Accessible, Interoperable, and Reusable**

## CREATING

Good curation begins with developing strategies for collecting data, as well as creating documentation and metadata to explain and contextualize them. Data curators can help create and review strategies.

## MAINTAINING

Ongoing data maintenance supports quality assurance. Practices include implementing a secure storage plan and protective measures such as file backups and file integrity checks.

## REUSING

To encourage reuse, data curators may augment metadata, transform file formats to improve interoperability, and link to related dataset to increase discoverability.

## USING

Apply robust quality control and assurance practices during data analysis -- such as file versioning and metadata review -- facilitates and expedites data archiving and reuse

## SHARING

Data curators facilitate the deposit of data, code, and metadata into reputable repositories that enable discovery and access. This includes applying appropriate anonymization or access control.

## ARCHIVING

Data curators select data for long-term preservation and then facilitate bundling data, code, and metadata into a single package for transfer to an archive.



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