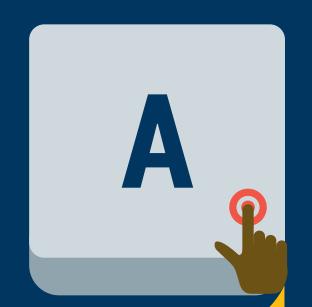# Be FAIR to your data!

The FAIR principles aim to promote the creation, sharing and reuse of quality, valuable, and responsible data. We unveil the meaning of this acronym and provide some tips for compliance.

FINDABLE
Data and associated metadata should be easily discovered and located by both humans and computers

INTEROPERABLE
Data and metadata should work seamlessly across systems for data analysis, processing and storage

F A I R

ACCESSIBLE
Data and supporting metadata are preserved, easily available, and can be downloaded or used locally

REUSABLE
Data and metadata are well-described to allow interpretation and further reuse by replication, reanalysis or repurposing

QUICK TIPS

- Publish your data in open, stable and certified repositories
- Link associated publications and cite your datasets using persistent identifiers
- Share your data as openly as possible and without requiring specialized protocols
- When your data cannot be made open, be clear and transparent about the conditions governing access
- Use standardized, open and machine-readable file formats
- Use standardized and open taxonomies, vocabularies and schemas to describe data elements
- Share your data under standard machine-readable licenses and usage agreements (e.g. Creative Commons)
- Fully document and share the provenance of your data in a machine-readable format

You can test the "fairness" of your data with the FAIR Self Assessment Tool developed by the Australian Research Data Commons:
https://ardc.edu.au/resources/working-with-data/fair-data/

Want to learn more? Contact us: rds@library.ucsb.edu

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