FAIR Principles

EUR Data Coffee Breaks
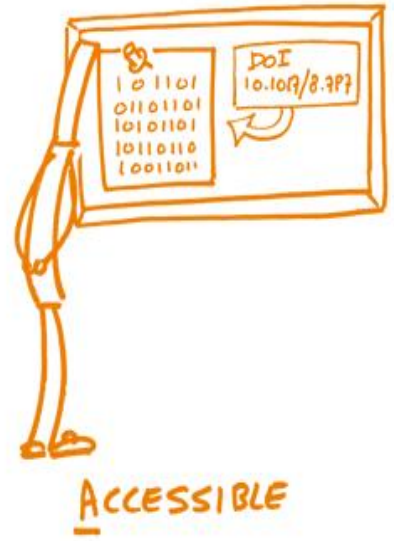
Liz Guzman-Ramirez, PhD

The EUR Data Coffee Breaks

- Monthly meetings about Research Data Management by the EUR Data Stewards

- Short, focused, and informal

- 15-minute presentations

- Twice a month (hybrid + online)

- No recordings, slides available here
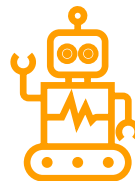
Picture: FAIR principles / Patrick Hochstenbach / CC0 1.0

Be FAIR: Findable, Accessible, Interoperable, Re-usable

High level principles to make (meta)data:

- Findable

- Accessible

- Interoperable

- Re-usable

...for humans and machines

- FAIR paper: Wilkinson et al., 2016. https://doi.org/10.1038/sdata.2016.18

- More resources at https://www.go-fair.org/

Be FAIR: Findable

What does it mean in practice?
- relevant data appears in search engines
- reliable hyperlinks

Practical steps:
- deposit data in a repository
- claim persistent identifier (long-lasting link)
- provide metadata

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Picture: Orcid, Zenodo

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Picture: Zenodo

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Be FAIR: Accessible

What does it mean in practice?
- user needs to know how data can be accessed
- accessible is not the same as *open* or *free*

Practical steps:
- choose how your data can be accessed
- specify clear conditions for access

Access right *
- ○ 🔓 Open Access
- ◉ ⊘ Embargoed Access
- ○ 🔑 Restricted Access
- ○ 🔒 Closed Access

Picture: Zenodo

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Be FAIR: Interoperable

What does it mean in practice?
- data need to integrate with other data
- possibility to open data in tools for analysis, storage, and processing
- now and in the future

Practical steps:
- use open file formats
- if possible controlled vocabularies

Preferred format(s)

- PDF/A (.pdf)
- ODT (.odt)

- ODS (.ods)
- CSV (.csv)

- SQL (.sql)
- SIARD (.siard)
- CSV (.csv)

- SPSS (.dat/.sps)
- STATA (.dat/.DO)
- JASP (.csv/.html)
- R

Non-preferred format(s)

- Microsoft Word (.doc)
- Office Open XML (.docx)
- Rich Text File (.rtf)
- PDF other than PDF/A (.pdf)

- Microsoft Excel (.xls)
- Office Open XML Workbook (.xlsx)
- PDF/A (.pdf)

- Microsoft Access (.mdb, .accdb)
- dBase (.dbf)
- HDF5 (.hdf5, .he5, .h5)

- SPSS Portable (.por)
- SPSS (.sav)
- STATA (.dta)
- SAS (.7dat; .sd2; .tpt)
- JASP (.jasp)

Picture: DANS

Be FAIR: Interoperable

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DDI Alliance Controlled Vocabulary for AnalysisUnit

Code List

Code value	Code descriptive term	Code definition
Individual	Individual	Any individual person.
OrganizationOrInstitution	Organization/Institution	Any kind of formal administrative and functional structure - includes associations, institutions, agencies, businesses, political parties, schools, etc. The data are collected about the organizations or institutions, even if the questions are answered by individuals. For example, data on the environmental policies of businesses, data on enrollment or graduation rates at national universities, etc.
Family	Family	Two or more people related by blood, marriage (including step-relations), co-habitation or registered partnership, adoption or fostering, and who may or may not live together. For example, data on what kind of public services the family uses or would require; or how often family members are in contact with each other.
Family.HouseholdFamily	Family: Household family	A more specific term that refers only to people who are related through family ties (see definition for

Be FAIR: Reusable

What does it mean in practice?
- (meta)data should be well-described so that they can be reused

readme file

questionnaire interview script

metadata

Practical steps:
- provide documentation
- include clear data license
- let users know who to cite / to be acknowledged

analysis script codebook

notes logbook

Be FAIR: Reusable

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Access right *
- Open Access
- Embargoed Access
- Restricted Access
- Closed Access

Required. Open access uploads have considerably higher visibility

License * | Start typing a license name...

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Creative Commons Attribution 2.0 Generic
Creative Commons Attribution 3.0 Unported
Creative Commons Attribution 3.0 Austria
Creative Commons Attribution 3.0 Germany
Creative Commons Attribution 3.0 IGO

reporting lines for res

Picture: Zenodo

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Cite as

Joanna Mania. (2023, February 27). Anonymization of qualitative data – a practical approach. Zenodo. https://doi.org/10.5281/zenodo.7681425

american psy

American Psychological Association 7th edition

American Psychological Association 5th edition

American Psychological Association 6th edition

American Psychological Association 6th edition (no ampersand)

Picture: Zenodo

FAIR | Aware

At EUR we adapted a tool created to help researchers know who FAIR their data is:
https://fair-aware.eur.nl/

The tool is discipline-agnostic and can be used at any point during your research. The self-assessment consists of 10 questions with additional guidance texts specifically targeted to EUR-researchers, to help you become more aware of what you can do to make your data(set) as FAIR as possible. The assessment will take between 10-20 minutes, after which you will receive an overview of your awareness level and additional tips on how you can further improve your FAIR skills.

For any questions or comments on the tool, please send us an email to datasteward@eur.nl, for questions related to data management and discipline-specific resources, please contact your faculty research data steward.

Acknowledgements: This tool is a version of the FAIRAware tool developed by DANS. We collaborated with DANS to use and developed this tool targeted specifically to EUR researchers.

FAIR | Aware – quick tour of the tool

Thank you!

Coming up:

October - Preparing your archival package
November - Privacy by design
December - Sharing qualitative data

See schedule for more information

Do you have suggestion for a topic?
Contact us via EUR Research Data Stewards