DATA INSIGHTS

WORKSHOP ON OPEN DATA & ODE

- Frictionless Data
- Open Data Formats
- Navigate the ODE Interface
- Prepare Data for Analysis

SUPPORTED BY

Open Knowledge Foundation

ORGANISED BY

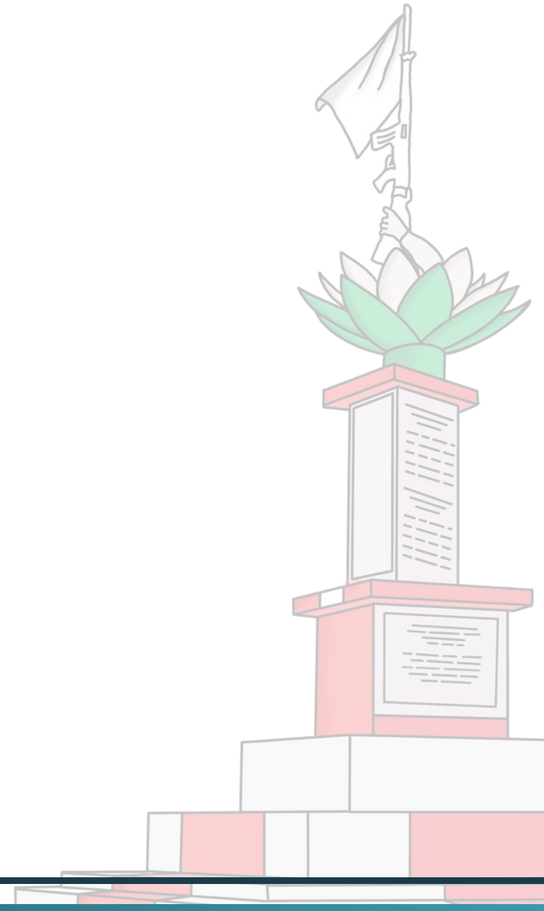
BAUCC

CO-ORGANISED BY

KORIKATH KNOWLEDGE

DAY TWO

More on Data Quality and Hands On



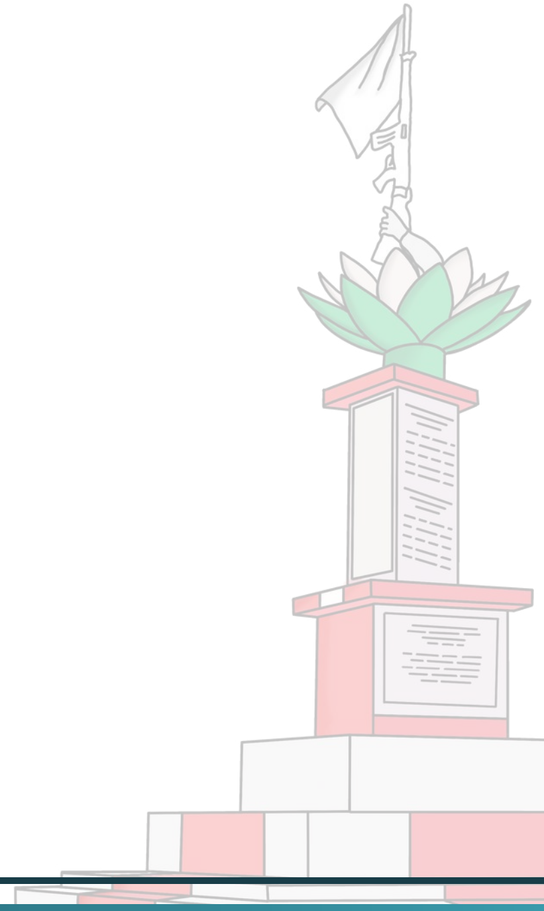
AFTER THIS SESSION

- We will be able to describe the quality dimensions of a dataset.
- We will have a general understanding of FAIR data principles.
- We will know what the Resource Description Framework is.
- We will have a basic understanding of the tidy data framework.
- We will be familiar with the ODE interface and have the basic knowledge to continue self-learning.
- We will have a list of free courses to help us improve our open data skills.

TIME BREAKDOWN

Data Quality Dimensions	15 minutes
FAIR Data Principles	15 minutes
Tidy Data	10 minutes
RDF	5 minutes
Q&A	15 minutes
The only Break!	20 minutes
ODE Hands On	60 minutes
Q&A	10 minutes

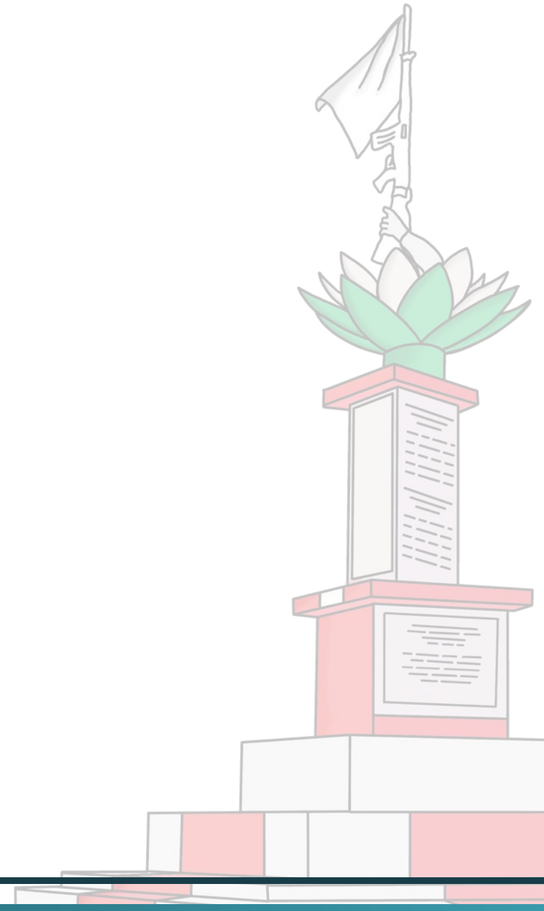
DATA QUALITY DIMENSIONS



QUALITY INDICATORS

- Completeness
- Accuracy
- Consistency
- Validity
- Uniqueness
- Integrity

FAIR DATA PRINCIPLES



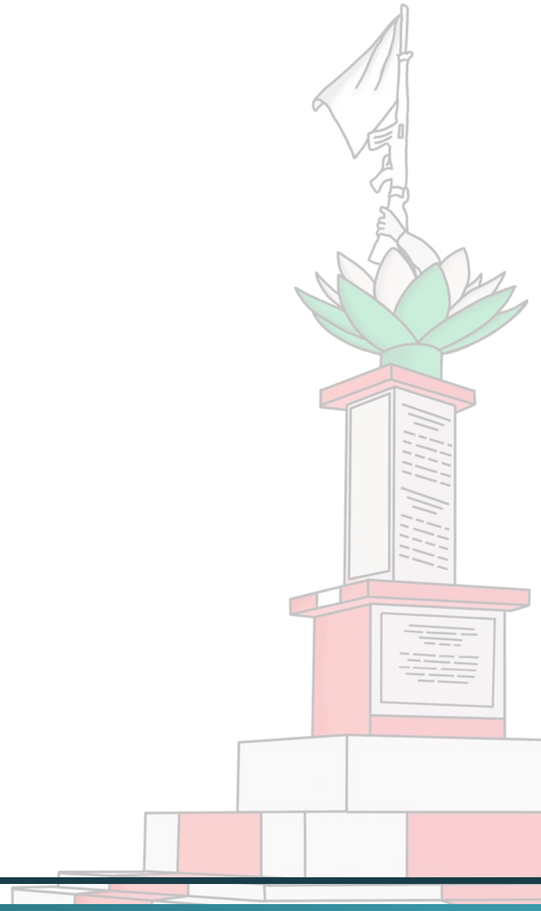
FAIR DATA

A set of guiding principles for scientific data management and stewardship. The principles were published in 2016 in Scientific Data.

A self assessment tool made by the Australian Research Data Commons.

THE PRINCIPLES

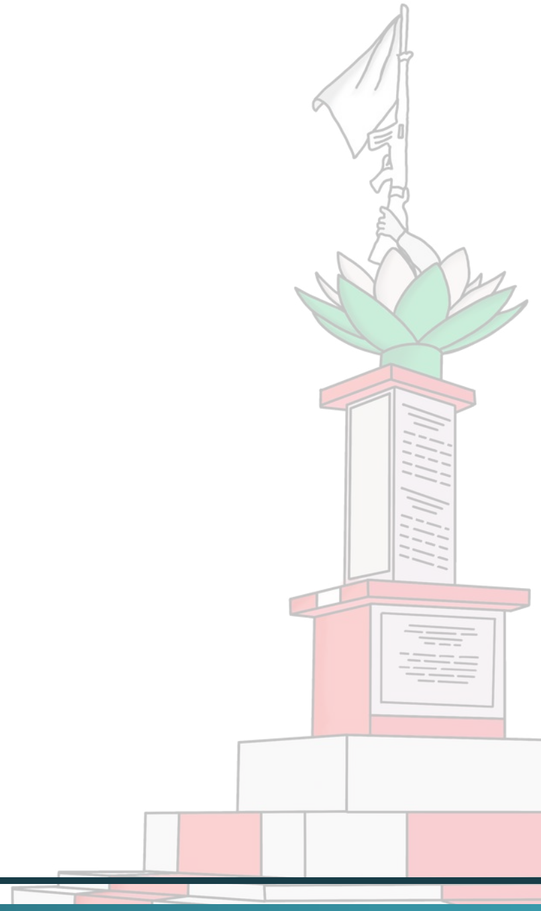
- Findable
- Accessible
- Interoperable
- Reusable



TIDY DATA

WHAT IS THIS NOW!

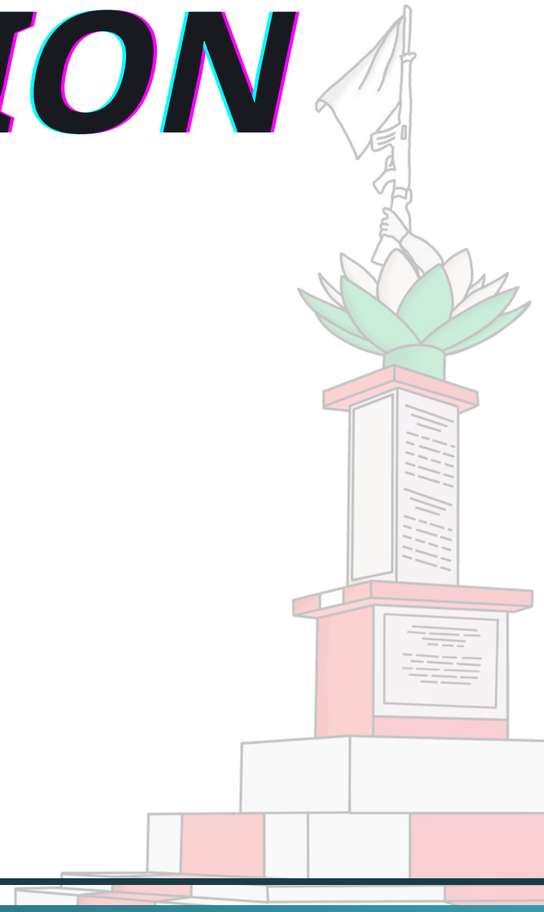
- Hadley Wickham
- In 2014
- Journal of Statistical Software



THE STANDARD

- Each variable is a column; each column is a variable.
- Each observation is a row; each row is an observation.
- Each value is a cell; each cell is a single value.

RESOURCE DESCRIPTION FRAMEWORK

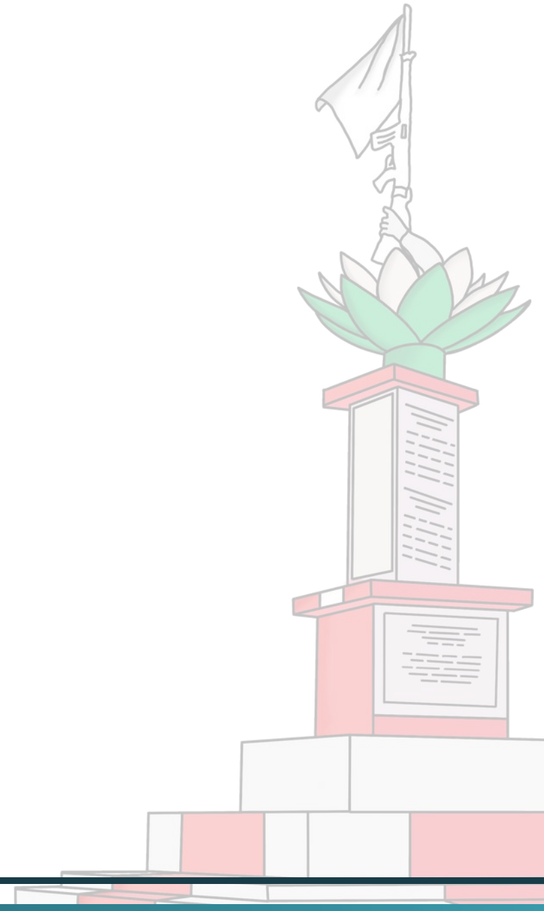


THE STANDARD

- Adopted as a W3C recommendation in 1999
- Originally designed as a data model for metadata by the World Wide Web Consortium (W3C)

Q&A

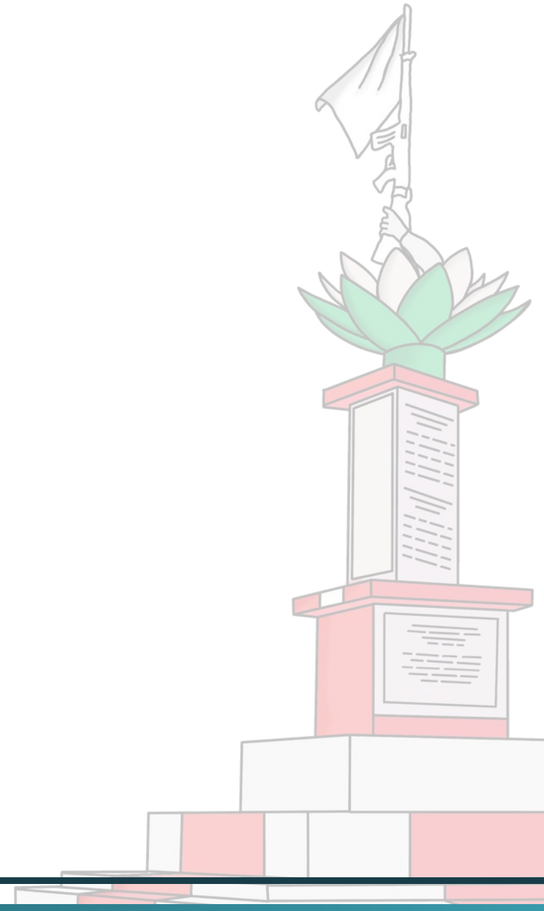
15 minutes



BREAK

20 minutes

ODE HANDS ON

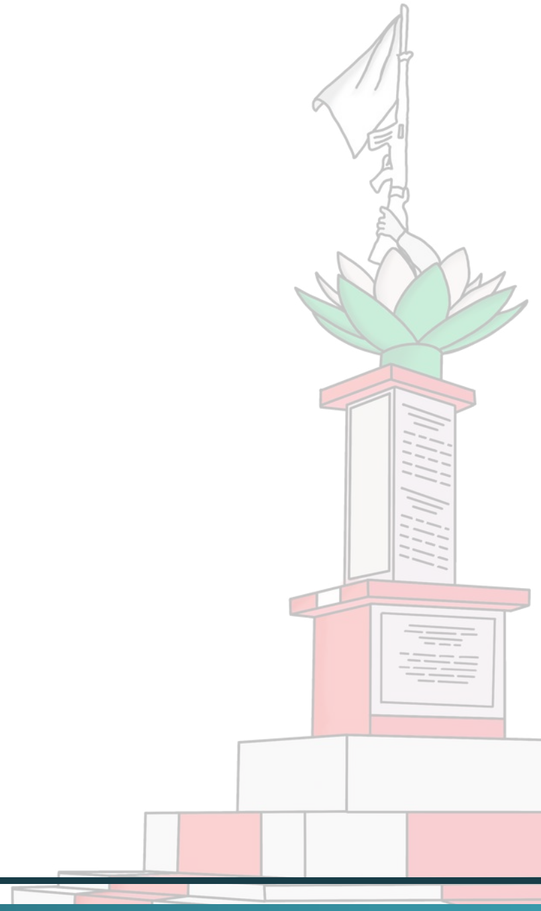


Q&A

10 minutes

HUNGRY FOR MORE?

- Open Knowledge Foundation School of Data course
- Open Data Institute courses

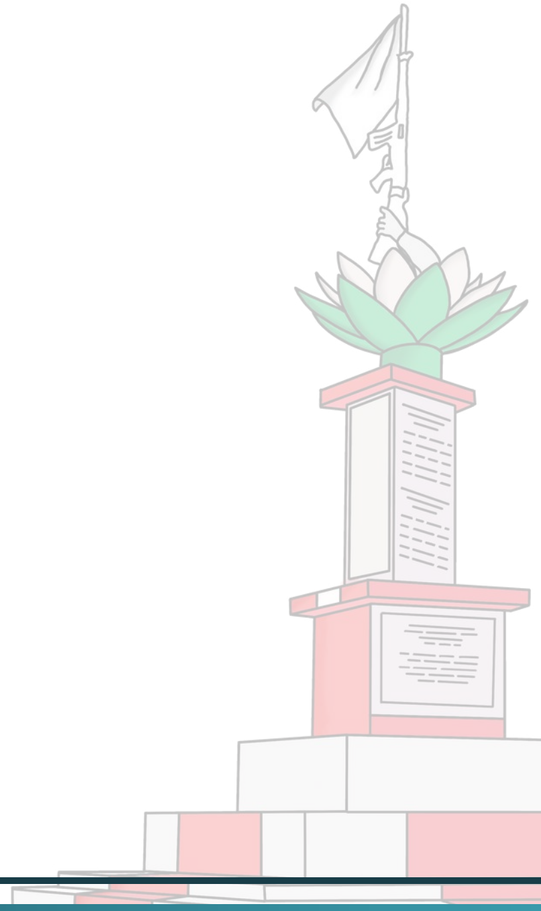


GOT QUESTIONS?

Feel free to ask me at rafi.2109016@bau.edu.bd

AND IF YOU'RE INTERESTED

If you are interested in staying connected and want to help open up data for the future of our country, please let us know.



THE END!