

Videos on the importance of data quality

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MATHMET

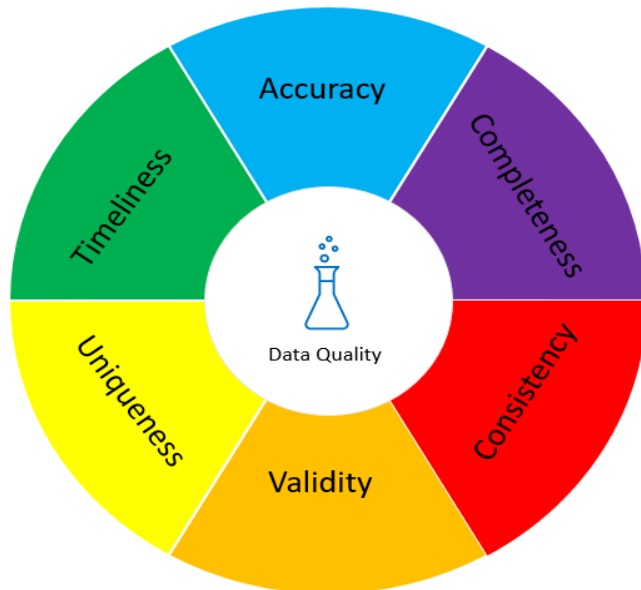


Videos explaining the importance of data quality

- Consideration of data quality as an issue of importance to metrology that is wider than just measurement uncertainty
- Videos aim to introduce why the consideration of data quality is important when taking decisions based on measurement data
- Organised into four parts
 - Video 1: Introduction to data quality
 - Video 2: Ways to ensure data quality
 - Video 3: Quality Managements Systems
 - Video 4: Data quality for metrology
- Acknowledgements: NPL Training team, INRIM, LNE and METAS

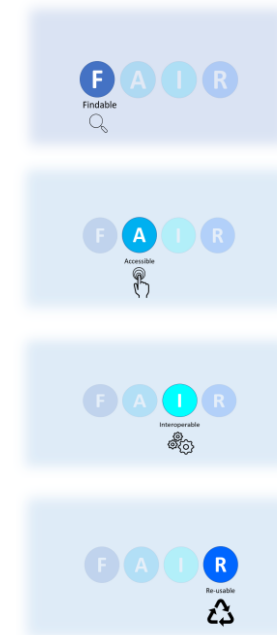
Introduction to data quality

- What is “data quality”?
- How do we measure data quality?
- What are the impacts of not understanding and maintaining the quality of data?



Ways to ensure data quality

- Documenting data
- Ensuring it is both human-readable and machine-readable
- Applying the “FAIR” principles: **F**indable; **A**ccessible; **I**nteroperable; **R**eusable



Quality Managements Systems

- Data Management Plans consider what type of data we are collecting, how we will store and keep the data secure, who will have access to the data, what happens to the data after our project has ended, ...



Data quality for metrology

- Data is essential component of traceability chains
- Use of clear specifications of metadata





Thank you!