Curricular design strategies for teaching research data management to graduate students

### Core Competency

**Data Management**
- Articulates the planning and actions needed to enable data curation.
- Understands the lifecycle of data.
- Understands the concept of, rationale for metadata.
- Proficiently annotates and describes data so it can be understood and used by self and others.
- Develops the ability to read and interpret metadata from external disciplinary sources.
- Understands the concept of, rationale for metadata.
- Proficiently annotates and describes data so it can be understood and used by self and others.
- Integrates metadata into a project.
- Integrates metadata in a manuscript.
- Proficiently integrates metadata into a manuscript.
- Proficiently integrates metadata into a presentation.
- Understands which data types are needed to enable data curation.
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