Quickstart Guide to DATA SHARING

1. GATHER all stages of data needed for reanalysis
   - Consider including the following:
     - Unprocessed raw data in recommended file types
     - Prepared and organized numerical data (tables, spreadsheets, etc.)
     - Code used to process and analyze data
     - Output (statistics and visualizations)

2. VERIFY files can be shared publicly
   - Remove restricted materials such as:
     - Copyrighted or Licensed documents or software (CC0)
     - Content from published articles, grants, or patents
     - Data from third party with restricted terms-of-use
     - Identifiable human subjects data
     - Locations of endangered and vulnerable species

3. CHOOSE open file formats
   - Use non-proprietary open file formats when possible to enable easy access, better preservation and interoperability.
   - If you include proprietary files, consider also providing the data in an open format.
   - Plain text formats are preferred.

4. ORGANIZE files logically
   - Check files for errors or omissions.
   - Name files descriptively and consistently.
   - Omit needless files.
   - Create a clear and logical file structure.
   - Bundle organized files into compressed file archives.
   - Try to keep individual files or archives smaller than 10GB.
   - Verify file archives open and are not corrupted.

5. DESCRIBE your dataset in a README
   - Write clearly for a broad audience.
   - Describe processing pipeline and analysis steps.
   - Define variables and allowable values.
   - Describe software used to process, visualize, analyze, and compress your data (add open source recommendations if possible).

6. SHARE your data
   - Go to datadryad.org.
   - Follow the submission instructions.
   - Receive your Dryad DOI.
   - Cite your data package and share it on professional and/or social media.

See more details at https://datadryad.org/stash/best_practice