Rules on data retention and sharing

- The rules are imposed by the funding agency.
- Part of the proposal is a data management plan (DMP) that says
  - What data will be retained.
  - What data will be shared.
    - How, where, how long, etc.
- What applies to us in the DMP for the project.
- This already applies to NIH and NSF projects.
- Applies to DOE Office of Science new projects, renewal projects, from 10/1/2014.
Research data is defined as the recorded factual material commonly accepted in the scientific community as necessary to validate research findings, but not any of the following: preliminary analyses, drafts of scientific papers, plans for future research, peer reviews, or communications with colleagues.

Extract from: **Glossary**

Extract from: **Requirements**

2. DMPs should provide a plan for making all research data displayed in publications resulting from the proposed research open, machine-readable, and digitally accessible to the public at the time of publication. This includes data that are displayed in charts, figures, images, etc. In addition, the underlying digital research data used to generate the displayed data should be made as accessible as possible to the public in accordance with the principles stated above. This requirement could be met by including the data as supplementary information to the published article, or through other means. The published article should indicate how these data can be accessed.
Even more basic principles

Know exactly what you did to obtain a result.

Retain what you need to:
   1. Show all the details of how you obtained the result.
   and
   2. Allow someone else to reproduce your result exactly.

If you publish a result:

Your methods section should be good enough that someone else could reproduce your result accurately. (Not necessarily exactly.)

Be prepared to share how you obtained your result.