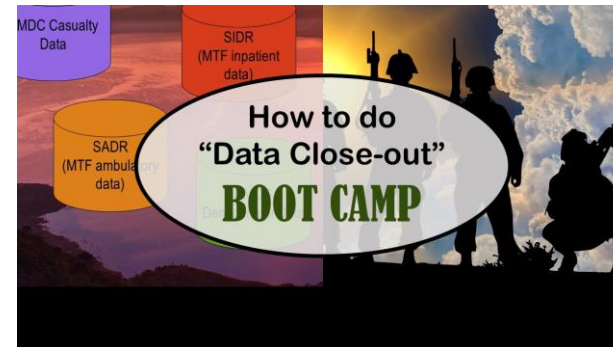




How to Close-out Raw Research Data

Diagrams from
the online course

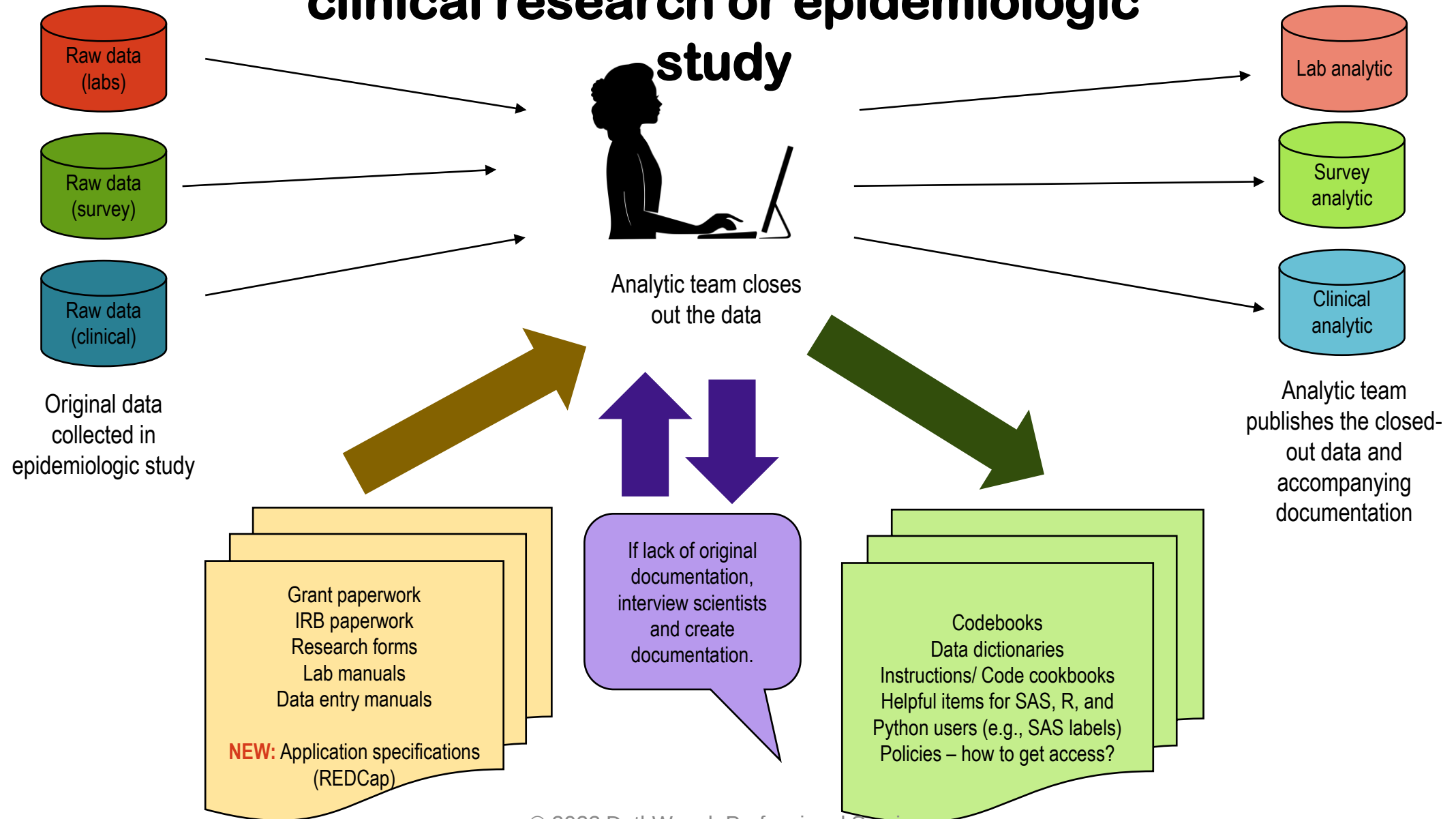


Access course: <https://buff.ly/3Sw4Fsa>

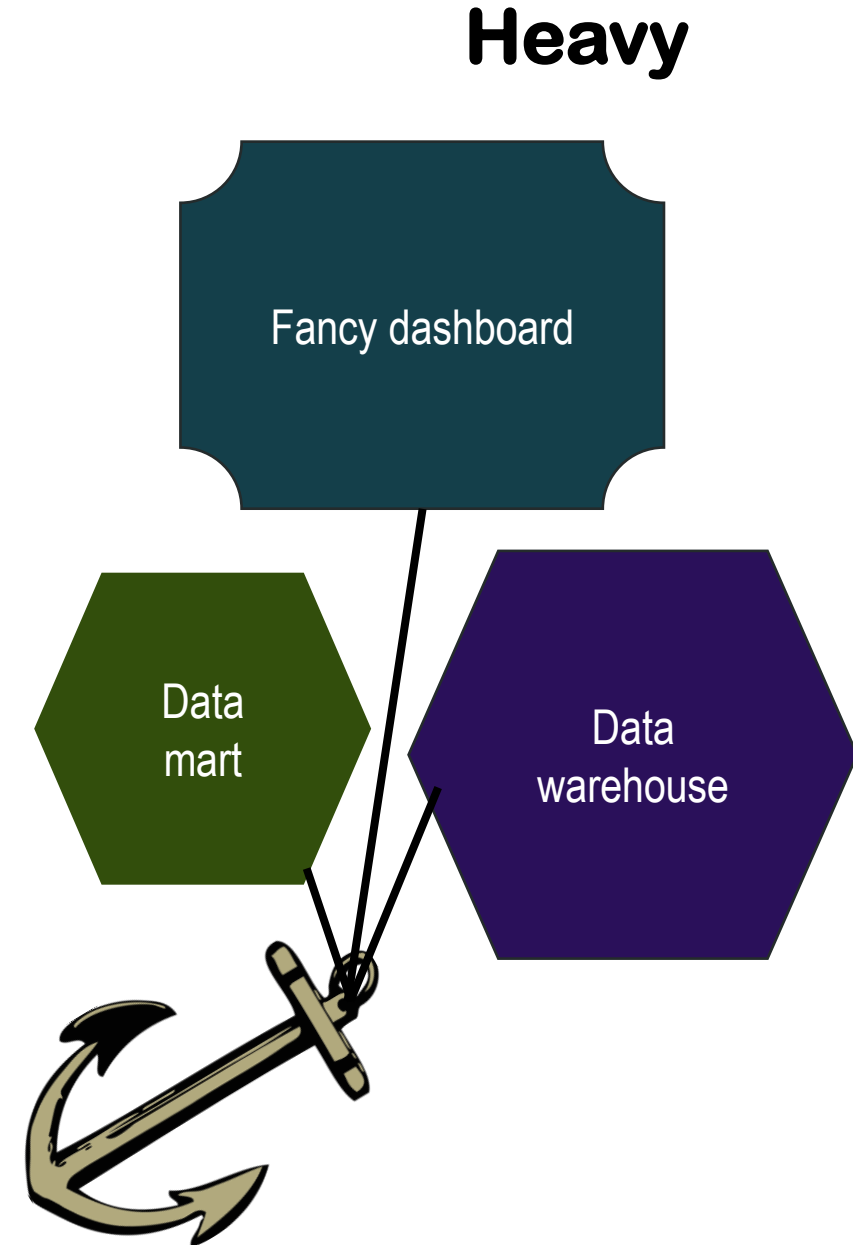
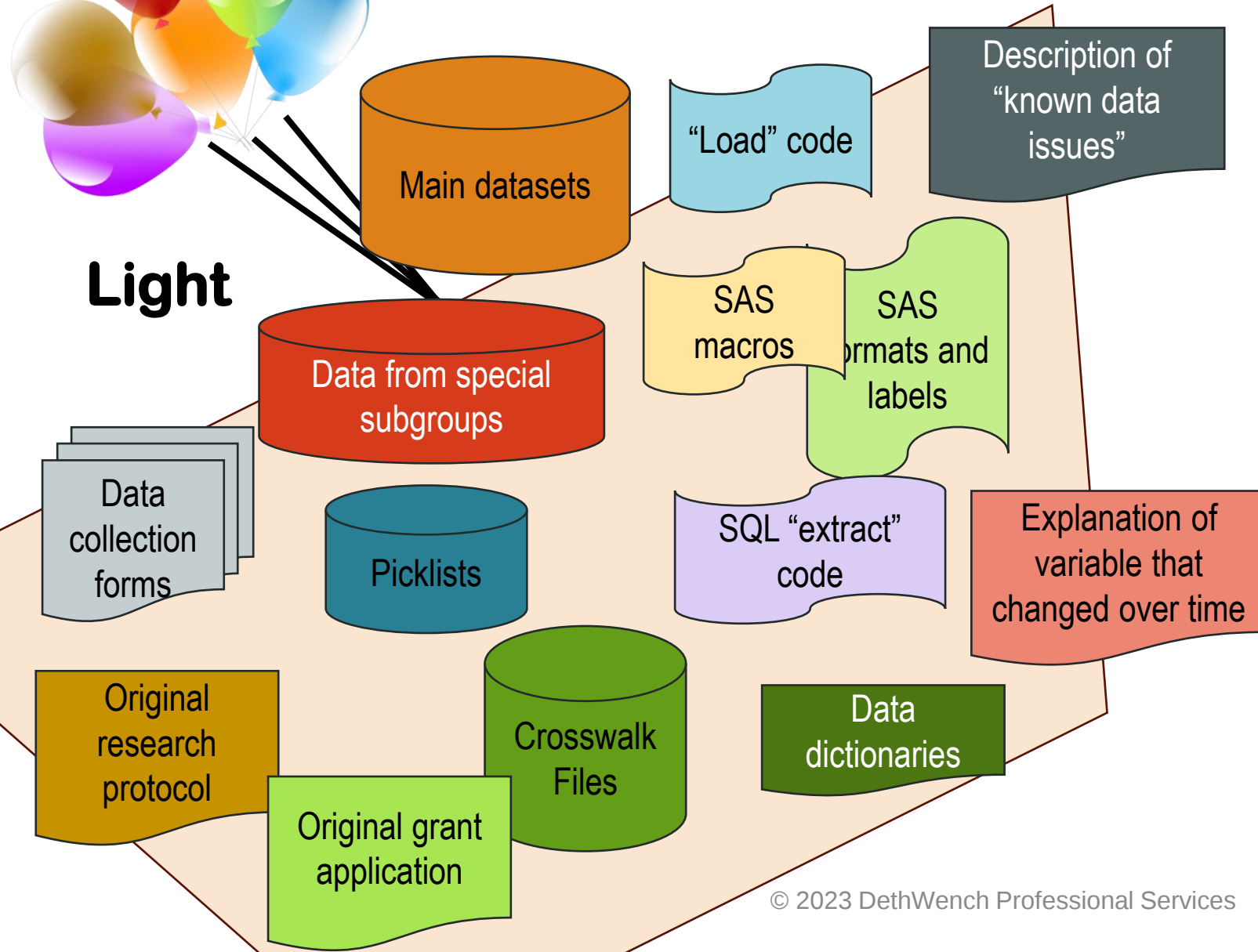
This course is part of an online
data science mentoring program.

Here is a link to learn more: <https://buff.ly/3Wrmw6T>

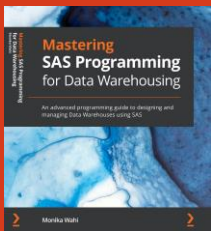
Example data close-out process for clinical research or epidemiologic study



Examples of Light and Heavy Close-out Files



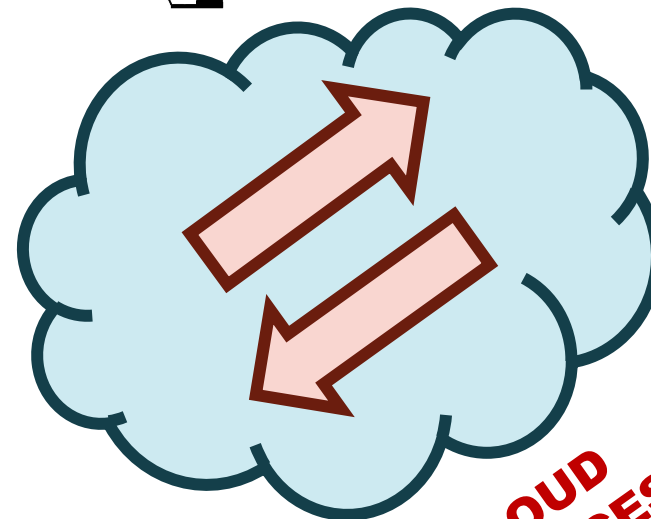
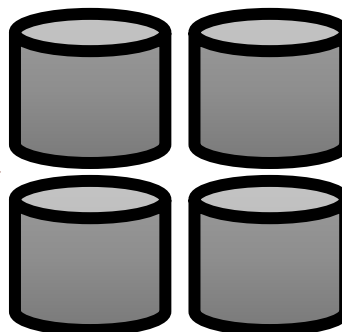
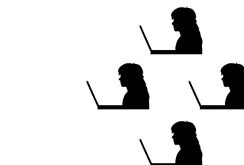
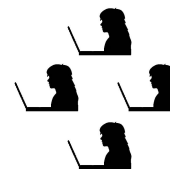
Example
data
warehouse
flow from:



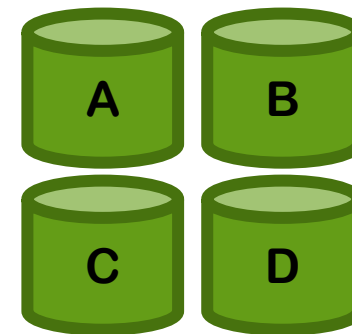
Analyst on-site



Remote analytic teams
develop, maintain, and
support the data warehouse



**CLOUD
SERVICES**



Data, visualizations,
and other resources
served up to:

- A. Private organizations
- B. Government agencies
- C. Individuals
- D. Others

Transformed data
on physical media

Load data onto
warehouse network

LOAD

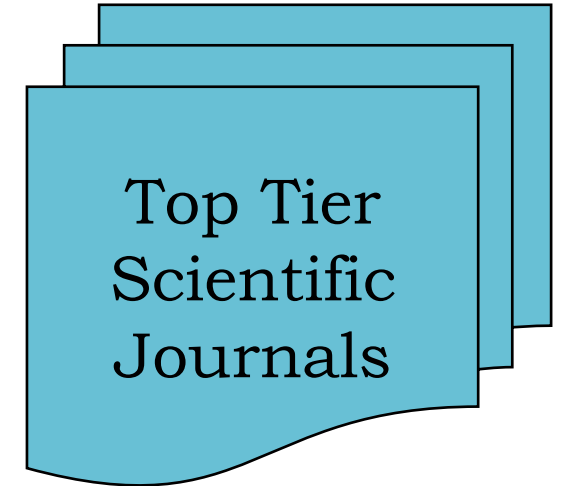
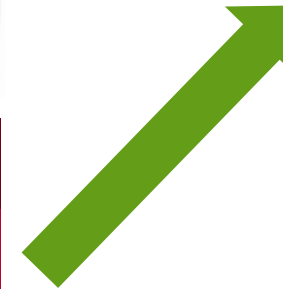
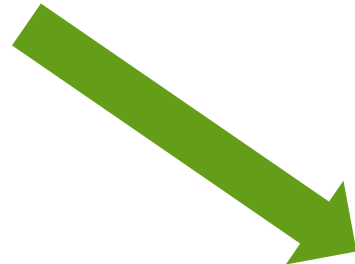
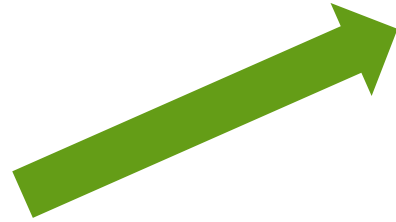
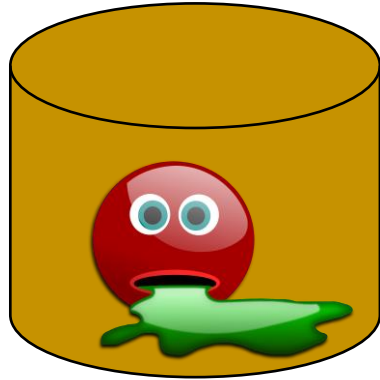
Warehouse internal network includes:

- Data servers involved in further transformation
- Application servers (including SAS)
- Servers to support visualization (e.g., Tableau)
- Web servers
- Any other resources else needed on the network to support the warehouse.

**Physically secure
workspace configured
to support remote
teams**

How Corrupt Research Data Disseminates

Corrupt “Bad”
Research Data



Example Research Data Flow Where Bad Data Was Generated

