Workshop Series:
Reusable Research Data Made Shiny

Ontario Dairy Research Centre | Zoom
February 21st - 24th, 2023

Let's start the conversation

When you read the title of this workshop – what caught your attention?

Re-usable Research Data – what does this mean to you?

Our goals are:

1. To convince WHY you should make your data re-usable
2. Show you HOW by hands-on example

Effective Metadata - EXERCISE

EXERCISE – Setting the Stage

You are cooking chili for supper tonight and the recipe calls for:

1. One can of diced tomatoes

2. One can of red kidney beans

3. One can of corn kernels

But you had company in your kitchen last night and they removed ALL the labels from your cans

Your job in small groups is to identify WHICH cans you will use for supper and WHY

Effective Metadata - EXERCISE

Online attendees:

You will be placed into random groups online.

You will have access to photographs of the cans

In your groups – discuss which cans if any you would use and why?

Effective Metadata –
EXERCISE

DISCUSSION

Effective Metadata

Working with a can – you have experience with the shape or size – you can use life experiences to help you figure out what might in the can.

Let's turn to our "real world " now – DATA

What do these represent???

Effective Metadata

Column1	Column2	Column3	Column4
01-Jul	32	88	Sunny
02-Jul	31	78	Partly cloudy
03-Jul	27	64	Overcast
04-Jul	29	42	Thunderstorm
05-Jul	22	43	Sunny
06-Jul	19	44	Sunny

Effective Metadata

In the 2 examples we just worked through what was MISSING?

Is this only time you will see this missing – examples in a workshop?

WHY are we not consistent in providing information about our data?
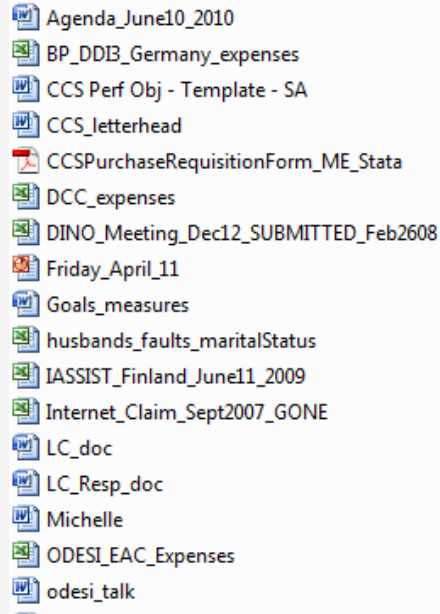
Is our data "re-usable"???

Metadata & Data Organization

Metadata goes beyond what's INSIDE your files...

Does this look familiar?

"My Documents" folder

- Agenda_June10_2010
- BP_DDI3_Germany_expenses
- CCS Perf Obj - Template - SA
- CCS_letterhead
- CCSPurchaseRequisitionForm_ME_Stata
- DCC_expenses
- DINO_Meeting_Dec12_SUBMITTED_Feb2608
- Friday_April_11
- Goals_measures
- husbands_faults_maritalStatus
- IASSIST_Finland_June11_2009
- Internet_Claim_Sept2007_GONE
- LC_doc
- LC_Resp_doc
- Michelle
- ODESI_EAC_Expenses
- odesi_talk

Metadata & Data Organization

Is this any better?

What makes it better?

Effective Metadata - DISCUSSION

How do YOU create metadata? Or how do YOU describe your data?
How do we start to make our data "re-usable"?

Who is the audience of this information as you create it?

Tools to Create Metadata

1. New Excel worksheet
   a. Define acronyms
   b. Document the story of your data
2. README file
   a. Contains all the acronyms
   b. Study level documentation
3. Agri-food Data Canada
   a. Data Schema
   b. Creating Data Schemas

Why do we make data re-usable?

Data Sharing and Management Snafu in 3 Short Acts: https://youtu.be/N2zK3sAtr-4

Lunch