

2.8

Facilitator Slides

- ★ Goals for Session
- ☰ Agenda and Activities
- ⏪ Final Reflection



2.8 Session Goals

GOALS:

Share the work that you are doing on your own as you go through the course

Reflect on your learning

Practice some of the tools that you were introduced to in the course

Get to know others in your lab/class

STRUCTURE:

Will meet every _ weeks for _ hours

Large and small group discussions

Logbook Activities, Program Reflection, Better Science, and Lab Manual questions can be part of each session



Activities and Discussions

2 Minute Challenge

 Logbook Activity

 Lab Culture

 2MC

After running the analysis, your first thought was: “I can’t be right. I’m just a grad student, after all. Could an entire sub-field of research really be based on a fundamental error?” And yet, the conclusion is unavoidable. You’ve checked and rechecked your analysis, and a central analytical approach your group used in several publications (indeed, one used by scores of other research groups, as well) is vulnerable to bias. It dawns on you that the problem could compromise hundreds of related articles from other labs. What do you do?

Start a timer, take 2 minutes to write down answers to the 6 questions of DMF Framework

6
questions

1. What issues does this situation present?
2. What rules and regulations apply?
3. What questions do you need/want to ask?
4. What resources are available to you to work through this situation?
5. What options do you have? Who will be affected by each?
6. What are you going to do? *What (exact) words will you use?*

2 Minute Challenge - Reflection

 Logbook Activity

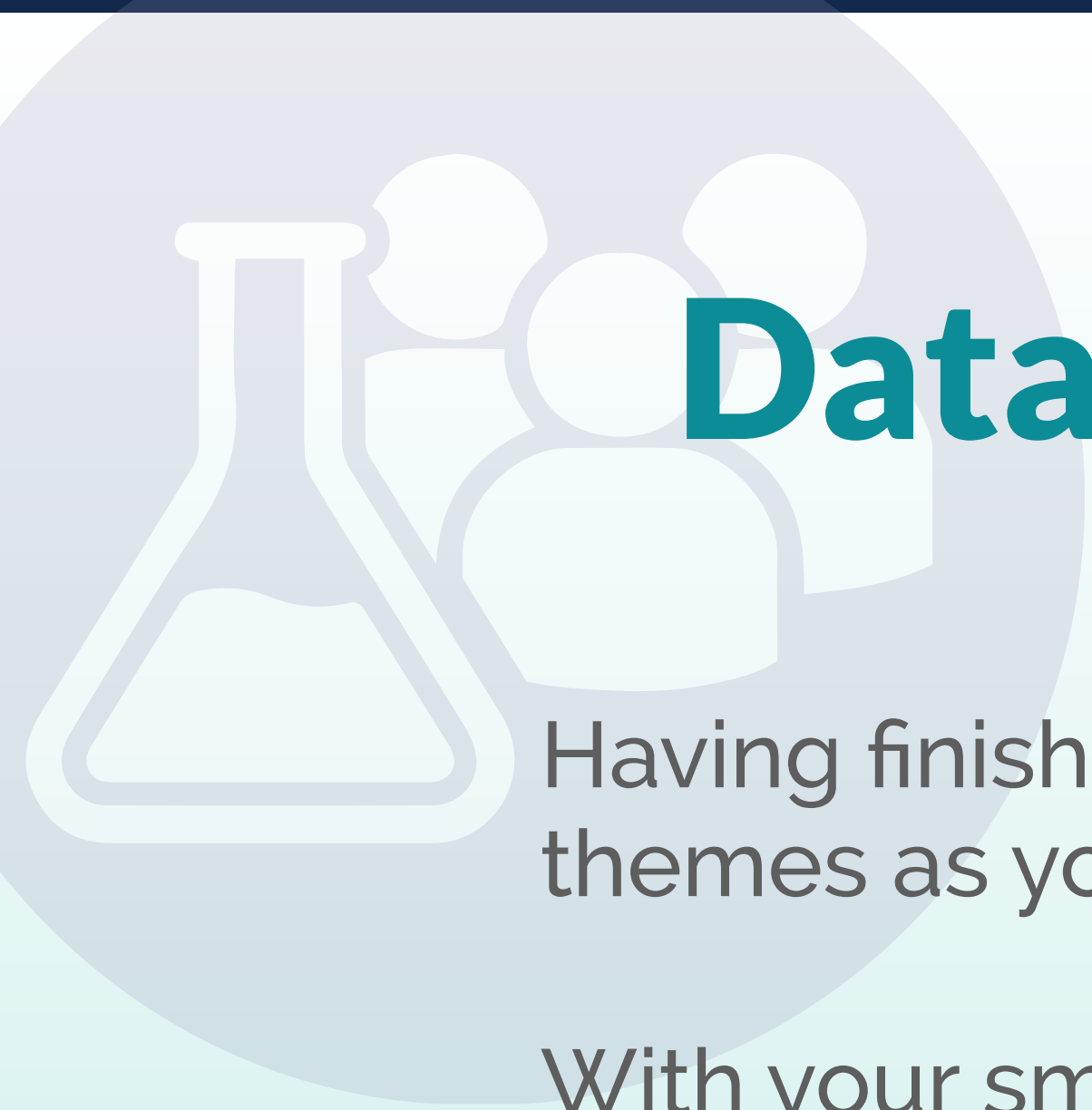
 Lab Culture

 2MC

Share and contrast your responses for each step with members of your small group (10-15 Minutes):

6
questions

1. What issues does this situation present?
2. What rules and regulations apply?
3. What questions do you need/want to ask?
4. What resources are available to you to work through this situation?
5. What options do you have? Who will be affected by each?
6. What are you going to do? *What (exact) words will you use?*



Data and Lab Management

Reflection

Communication

Having finished the 2-Minute Challenge with your group, think about the overall themes as you compare responses.

With your small group, discuss the following (10-15 Minutes):

- What portion of your responses were finding support for the stress? What portion were about fear of raising unwanted conclusions and possible reprisals.
- What portion of your responses were regarding the process moving forward?
- How different were the proportions of your responses compared to your other group members? What can you learn from that?

Lab Manual Discussion Questions

This scene focuses on lab protocols and data management.

In small groups, discuss the following (5-10 Minutes):

- For the specific projects in your lab, which of the data domains need the most work?
- Which of the domains do you imagine being the easiest to address?
- The most difficult??