

Optimization and Critical Model Consumption

FIND YOUR NAME on the list of today's studio groups, find your partner(s), seat yourselves comfortably, and please read through the rest of this document.

Today's Agenda

Today we'll work through the Chapter 12 material and practice being critical consumers of epidemiology models ...

Metrics and Decision Variables

Write a loop version of the idxmin method.

Challenge 1: How does immunization appear in the model? How does handwashing appear in the model?

Challenge 2: How should we represent the number of immunizations? Number of hand-washing posters? Why not immunize everyone, and cover every surface with posters?

Chapter 12 Notebook

How will you represent quarantine in the model?

HIV Paper by Andrew N. Phillips

What is the question?

What is the answer?

Reflection Question

How might you avoid writing in the passive voice?

Next Steps

Before class on Thursday, please do the following things:

- ☐ Write your name here: _____
- ☐ Write your name(s) of your studio partner(s) here: _____
- ☐ By tonight: Scan this worksheet and submit it on Canvas.
- ☐ By Wednesday night: Read Chapter 13 and complete the reading quiz. Read and run the Chapter 13 notebook.
- ☐ Meet in the studios on Thursday.