

Modelling problems

Modern Techniques in Modelling

LONDON
SCHOOL of
HYGIENE
& TROPICAL
MEDICINE



When you are faced with a research question, and think that modelling might be useful, you have to translate the problem into a model.

As a modeler, you will have to choose the type of model you want to use, build the model and choose the parameters.

In this course, we have 3 sessions (today and Thursday) to enable you to think constructively about the type of model you might need for a research problem that we provide you with.

We are aiming for a “sketch” of a model or a few ideas of what a model would look like (e.g. compartment diagram).

You are not required to code anything.

Instructions

1. Identify which group you are in and which modelling problem you should tackle (table on Moodle)
2. Open your group's Modelling Problem on Moodle
3. Take some time to look at the problem and ask any questions you need to (20mins)
4. Now you've had a chance to think about the problem yourself, you can say "Hi" to your group colleagues
5. On *Thursday*: you'll be working with colleagues in your group to sketch a model that answers your particular question. After this group work, there will be a session to discuss the problem you had to solve, and your ideas for a solution with the other groups. You and your group can write down your ideas on draw.io (link on Moodle).