E^{2}M^2: Final Research Plan

Prepare **FOUR** Powerpoint slides that you will share in a **three-minute oral presentation** to the class and other IPM guests on the afternoon of Thursday, January 5. All slides must be in English.

Feel free to complete this assignment on any research topic of your choosing, either the topic that you have been developing all week, or a completely new system if you like.

1. Slide 1 has:
   a. The background to introduce your problem (1 sentence)
   b. The question your statistical model will answer (1 sentence)
   c. The question your dynamical model will answer (1 sentence)

2. Slide 2 has:
   a. Your statistical question
   b. The R function, response and predictor variables, and distribution for the statistical model.
   c. The hypothesized outcome.
   d. A graphical representation of your plan for data collection or analysis and/or a brief summary of the data you will use.

3. Slide 3 has:
   a. Your dynamical model question
   b. Your dynamical model diagram, with all states and processes defined. This will be an edited extension of the first half of the assignment you brought to the "Model Telephone" activity on Wednesday.

4. Slide 4 has:
   a. Up to three next steps that will help answer your questions.

   To help you prepare for presentations in January, please complete the following tasks on your own time:
   a. Please meet with **two other E^{2}M^2 students** between now and January 4 to receive a critique of your statistical and dynamical framework before completing the slides.
   b. Once slides are completed, please give your **full-length three minute oral presentation** in practice to one other E^{2}M^2 student. This must be timed! Please acknowledge any partners who critiqued your original work or reviewed your presentation somewhere on your first slide.

Please submit your completed slides to the online portal by midnight on Wednesday, January 4, 2022. Directions for yesterday's assignment are included on the last two pages of this document if you need to review.