

Homework Jan-15: Model Diagram

25 points total

By 9am on Monday, January 15, please upload a Word document with your file to the corresponding Canvas assignment. Please follow the naming convention:

HW_Jan15_ModelDiagram_LastName_FirstName.doc/docx

Assignment details (see example below):

- Write your research question at the top of the page. (3 points)
- Below it, construct a clearly labeled diagram that represents all of the states and processes of interest in your system.
 - Use boxes to represent the *states* important in your system. (10 points)
 - Use arrows to represent the *transitions* (processes that move individuals) from one category or state to another. Label transition arrows with descriptions of what variables or other factors will influence the rate at which the transition occurs. (7 points)
 - Include a key that clearly states what any symbol/letter/abbreviation you use means. (5 points)
- Print your diagram on an otherwise-clean sheet of paper and bring to class.

Example:

Can the Malagasy black rat (*Rattus rattus*) population independently maintain transmission of the plague bacterium, *Yersinia pestis*?

