

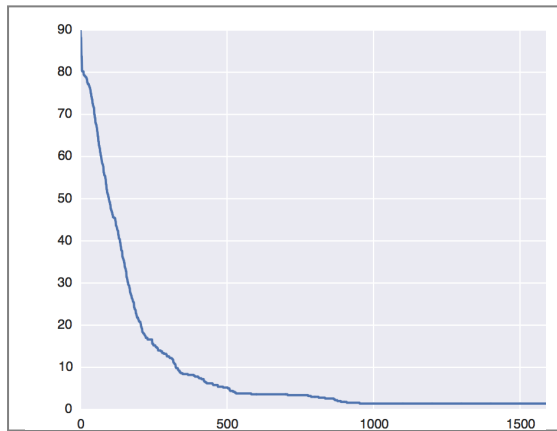
Pre-Survey

Please answer these questions prior to playing the single level prototype

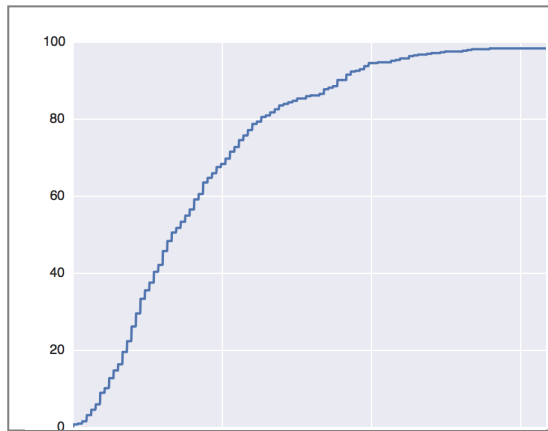
* Required

1. What curve best represents the infected population over time in an epidemic? *

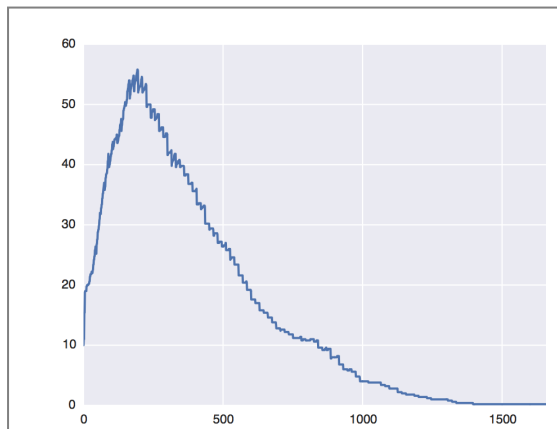
Mark only one oval.



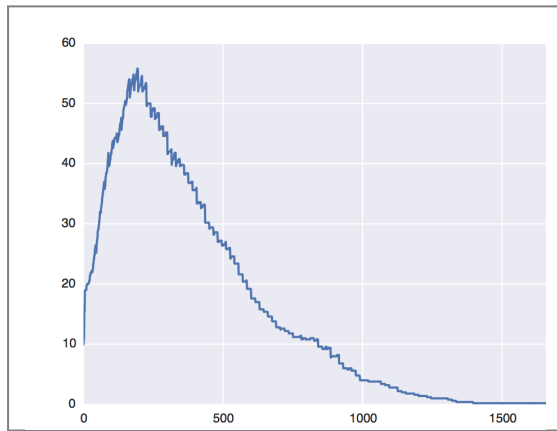
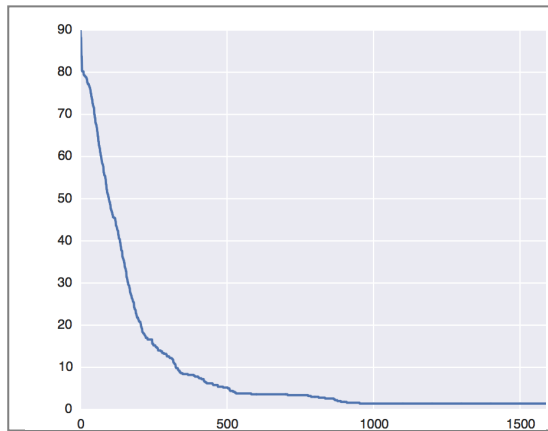
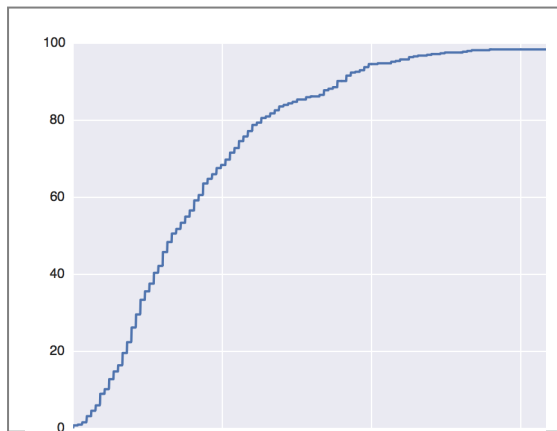
☐ Option 1

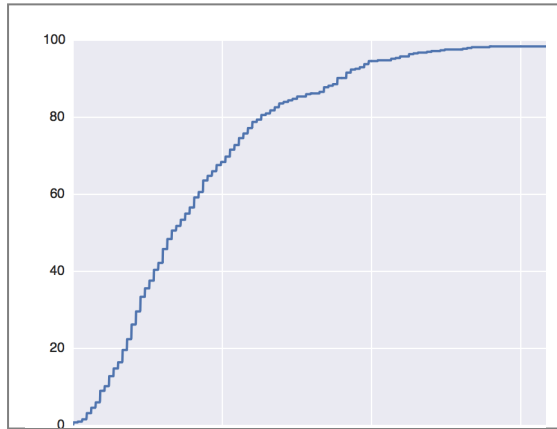
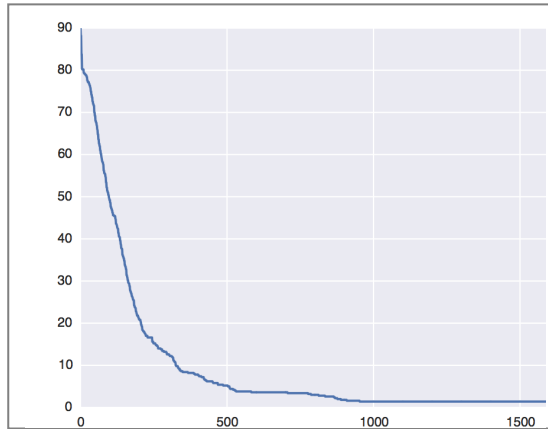
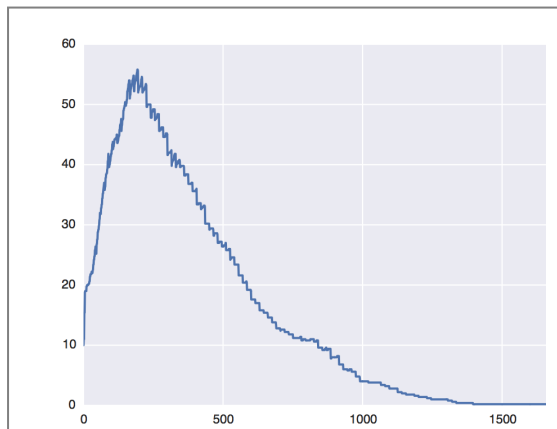


☐ Option 2



☐ Option 3

2. What curve best represents the susceptible population over time in an epidemic? **Mark only one oval.*☐ Option 1☐ Option 2☐ Option 3

3. What curve best represents the recovered population over time in an epidemic? **Mark only one oval.*☐ Option 1☐ Option 2☐ Option 3

4. How does the SIR model assume that susceptible and infected individuals eventually shift to the recovered population?

Mark only one oval.

- ☐ Death
- ☐ Natural Recovery
- ☐ Vaccination
- ☐ Quarantine
- ☐ All of the Above

5. True or False: On average, some fraction of the infected population will shift over to the recovered population each day. *

Mark only one oval.

- ☐ True
- ☐ False

6. True or False: An epidemic (in the SIR model) generally ends before the population of susceptible individuals is exhausted. *

Mark only one oval.

- ☐ True
- ☐ False

7. True or False: At each stage of an epidemic, adding the number of susceptible, infected, and recovered individuals will always equal to the total population. *

Mark only one oval.

- ☐ True
- ☐ False

8. How would you expect the number of susceptible individuals to change over time during an epidemic using the SIR model?

Mark only one oval.

- ☐ Increase
- ☐ Decrease
- ☐ Stay Fixed
- ☐ Increase then decrease
- ☐ Decrease then increase

9. What assumption does the SIR model make in regards to population size? *

Mark only one oval.

- ☐ It increases over time.
- ☐ It decreases over time.
- ☐ It stays fixed.

10. What is the amount of recovered individuals dependent on? *

Mark only one oval.

- ☐ Amount of susceptible individuals
- ☐ Amount of infected individuals

11. How much experience would you say you've had playing video games? *

Mark only one oval.

	1	2	3	4	5	
None at all	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Extensive

12. How much experience would you say you've had with the SIR epidemic model? *

Mark only one oval.

	1	2	3	4	5	
None at all	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Extensive

13. How much experience would you've had with differential equations? *

Mark only one oval.

	1	2	3	4	5	
None at all	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Extensive

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