Pre-Survey

Please answer these questions prior to playing the single level prototype

* Required

1. **True or False: On average, some fraction of an infected population will shift over to the recovered population each day. ***
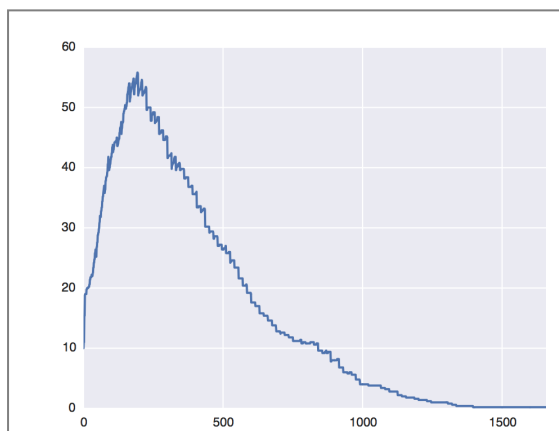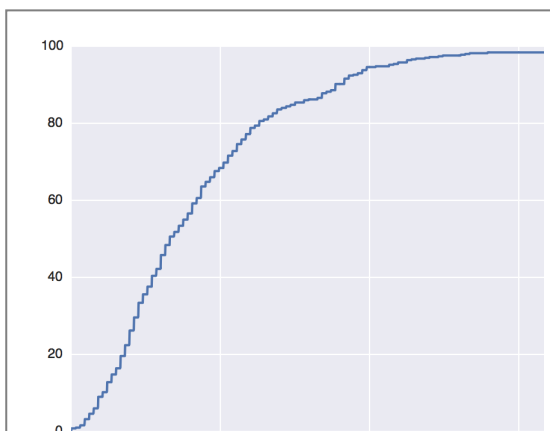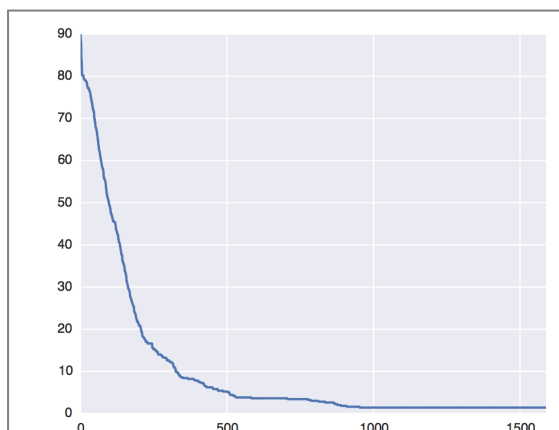   *Mark only one oval.*

   ◯ True

   ◯ False

2. **True or False: Population density DOES NOT play a role in the spread of a disease ***
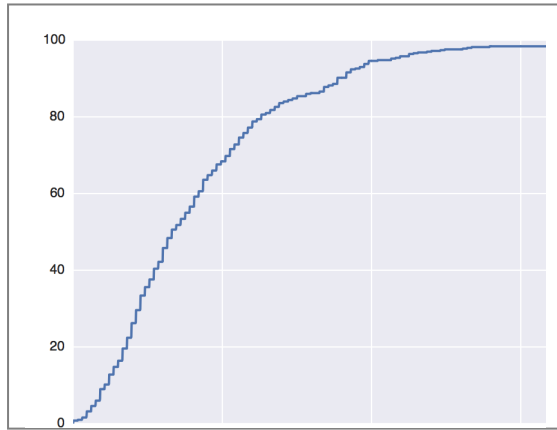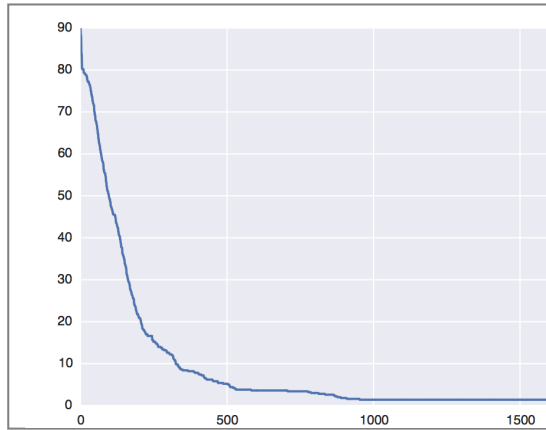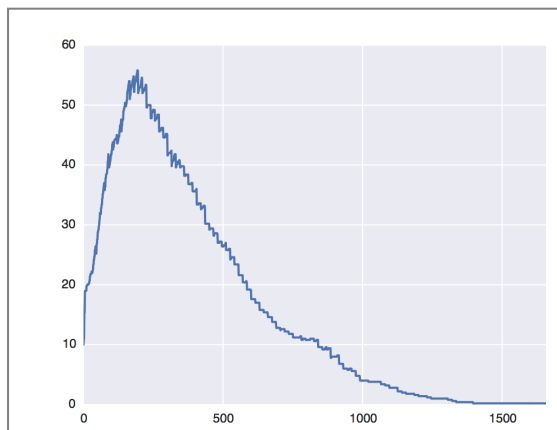   *Mark only one oval.*

   ◯ True

   ◯ False

3. **What curve best represents the susceptible population over time in an epidemic?** *

Mark only one oval.

○   Option 1

○   Option 2

○   Option 3

4. **What does the amount of recovered individuals dependent on?** *

Mark only one oval.

○   Amount of infected individuals

○   Amount of susceptible individuals

5. **What is herd immunity?** *

Mark only one oval.

⊙ When enough individuals are recovered to reduce the spread of disease

⊙ When there are no longer enough susceptibles in the population to spread the disease

⊙ when there are no infected individuals left to spread the disease

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

Mark only one oval.

⊙ Option 1

⊙ Option 2

⊙ Option 3

7. **True or false: The SIR model assumes that there are a fixed number of contacts for each infected individual?**

Mark only one oval.

○ True

○ False

8. **What is the point of vaccination?** *

Mark only one oval.

○ To increase the number of recovered individuals

○ To reduce the number of infected individuals

○ To create herd immunity by reducing the number of susceptible individuals without actually giving those people the disease

9. **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

10. **Does the word epidemic mean that everyone will get sick at some point?** *

Mark only one oval.

○ Yes

○ No

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	○	○	○	○	○	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	⬭	⬭	⬭	⬭	⬭	Extensive

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

Mark only one oval.

	1	2	3	4	5	
None at all	⬭	⬭	⬭	⬭	⬭	Extensive

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