1/31/2020 Week 2 (#2) 1106 DIS 208 Discussion Outline - Upcoming Assessment - Disease Models - Worksheets Berjamin Thurson bgt37e cornell.edu Office hours: 3-5 Thu. Shriyas Opice Hours Cancelled today

1-3pm Newtime: Sunday 3-5pm (2/2).

Upcoming Assessment (Monday, Z/3) - Homework 2 - Reacting Quiz 5 (Monday, 2/3) - Prelim 1 (6 weeks away, 10/3) (Friday, 2/7) - Quy 1

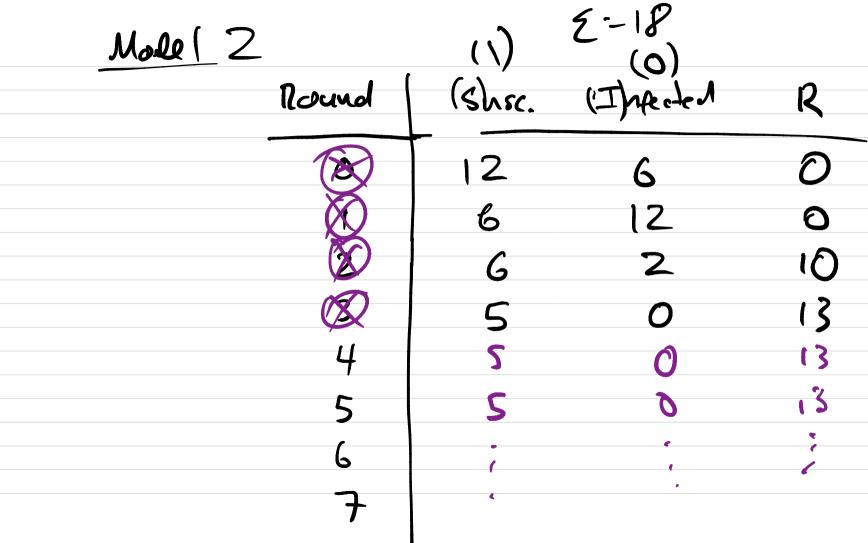
· Cun always ask questions on Prazza

· Other resources: Stack Exchange.

Last time: Population model with crowding (x'=6x-cx²)

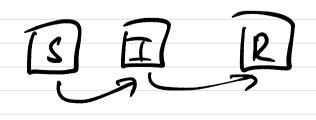
Today: Disease Trunsmusion moduls.

Mole (0) Nound  $(\xi=18)$ 



Mole 3 Nound (shsc. Mole [4 lound (Shsc. 16

Model 3 / Model 4 Model 1 Model 2



Q2 (a) 
$$(\chi, v)$$
 (position, velocity).  
 $- [0,\infty) \times (-\infty, \infty)$ 

IR × IR is fine tou.

F/m = a

$$(b) \qquad (x' = V)$$

$$(c) \qquad (f = Ma)$$

$$F = -kX$$

$$V' = \sqrt{m} = -\frac{kx}{m} = -\frac{kx}{m} \times \frac{1}{m}$$

 $\chi' = V$