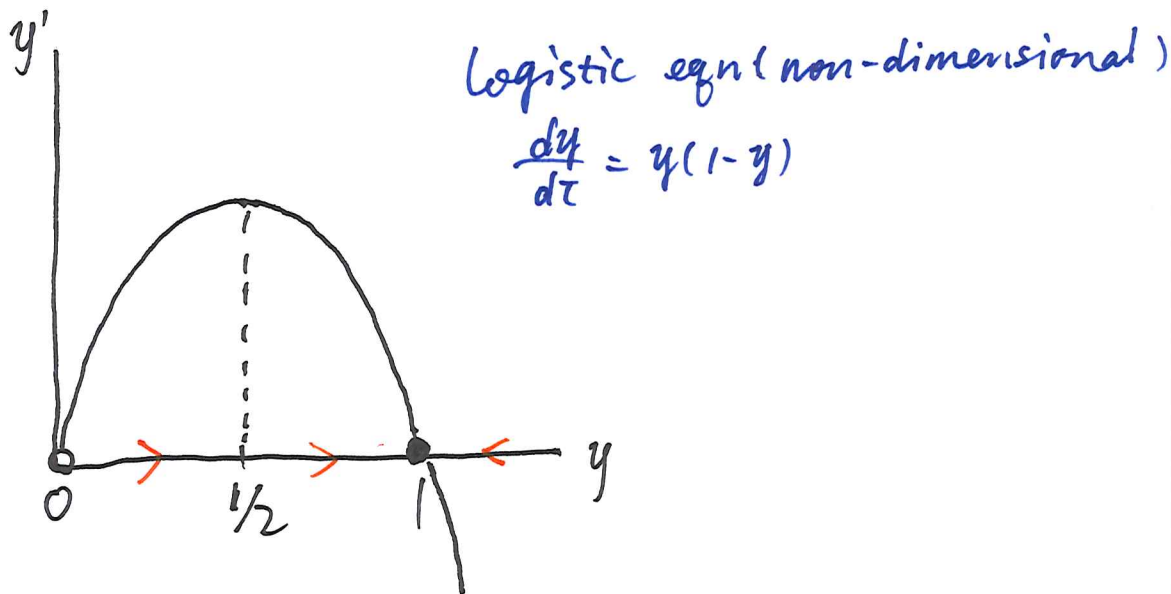
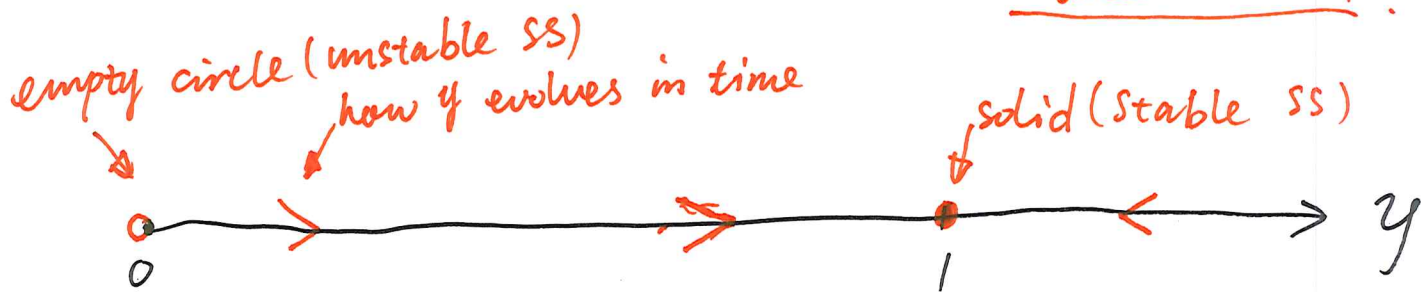


Wed. Nov 7.



Step 1:  $\frac{dy}{dt} - y$  plane

Step 2: steady states (open circles)

$$\text{Set } y' = f(y) = 0$$

Step 3: sketch  $y' = f(y)$

$$(\text{logistic eqn: } f(y) = y(1-y))$$

Step 4: characterize stability of the steady states (arrows) (fill in the circles at stable steady states).