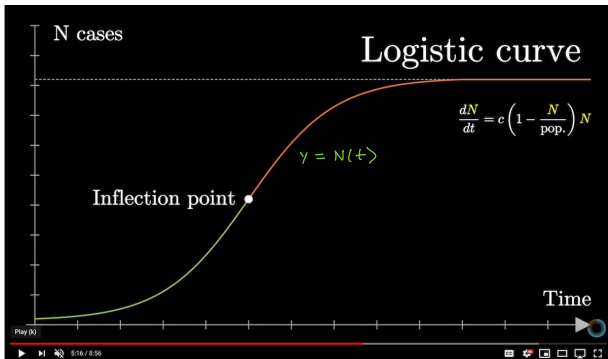


Recall the logistic model: $N(t)$ = Total # of cases at time t



$$\frac{dN}{dt} = c \left(1 - \frac{N}{T}\right) N$$

$$N(t) = \frac{N_0 T}{(T - N_0)e^{-ct} + N_0}$$

where $N_0 = N(0)$
= # cases at time $t = 0$

$$\frac{dN}{dt} = \frac{c N_0 T(T - N_0)e^{-ct}}{((T - N_0)e^{-ct} + N_0)^2}$$