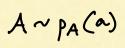
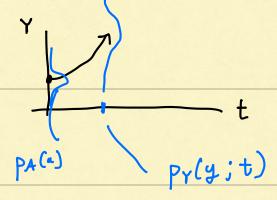
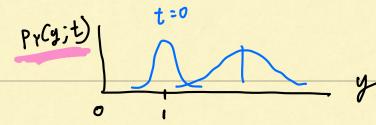
$$\frac{dY}{dt} = RY$$

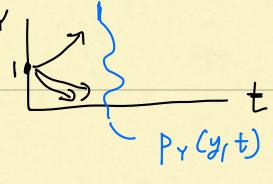
t t

Y(t) = Ae Rt











SUPPOSE
$$X \sim \rho_X(x)$$
 $Y = g(x)$

THEN

 $P_Y(y) = P_R(y^{1/y}) \left| \frac{dg}{dy} \right|$
 $P_X(y) = P_X(y^{1/y}) \left| \frac{dg}{dy} \right|$
 $P_X(y) = P_X(y) \left| \frac{dg}{$

PECALL

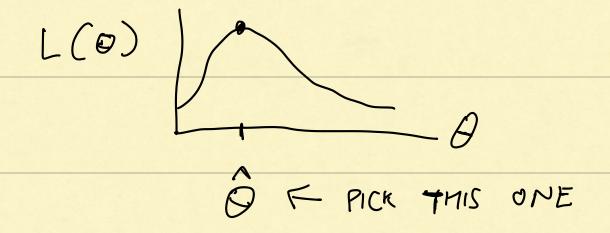
PROBABILITY DENSITY EX PT (t) = 2 e

t>0

PT (t;1)

t

THE LIKELIHOOD FUNCTION IS THE PROBABILITY OUNSTRY OR PROBABILITY FUNCTION, VIEWED AS A FUNCTION OF THE PARAMETERS = (2)NOTE /L(n)dn + 1 STRATEGY: TO FIMD A PARAMETER O FROM AN OBSERVATION X, TAKE THE Q THAT MAXIMIZES L.



MAXIMUM LIKELIHOOD