

$$E(x) = \int_{1}^{6} \frac{1}{5} \times dx = 3.5$$

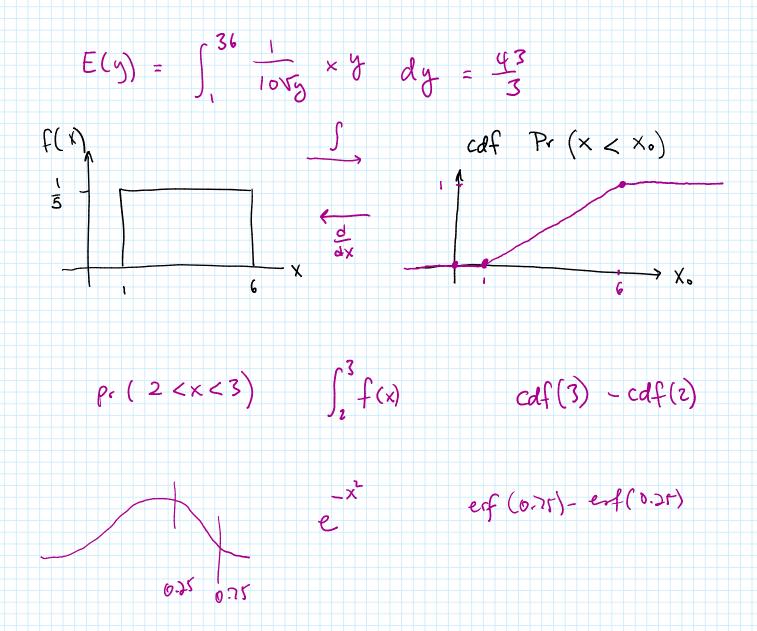
 $Var(x) = \int_{1}^{6} \frac{1}{5} (x-3.5)^{2} dx = \frac{25}{12}$

E (y)

$$Var(x) = E(x^2) - E^2(x)$$

$$\int pdf = cdf$$

$$cdf(x) \quad pr(x < x_0) = \frac{x_0 - 1}{5}$$



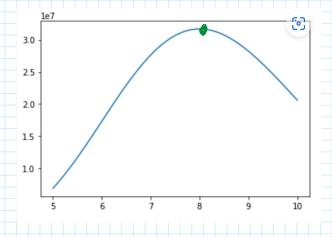
prior
$$\lambda$$
 5

arrivals per minute

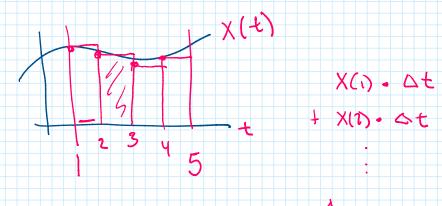
6=1

$$= k \cdot \frac{(\lambda t)^7 e^{-\lambda t}}{7!}$$

$$\frac{1}{\lambda t} \int_{a}^{b} \frac{\left(\frac{1}{\lambda t} \right)^{b}}{e^{-\lambda t}} \left(\frac{1}{\lambda t} \right) = \frac{1}{\lambda t}$$



$$16 \times 9 = 2 \times 6 = 3 \times 16 = 3$$



ZX . 4

$$= 7! \quad 9! \quad \int_{5}^{10} \frac{16}{16!} \frac{2}{5} d\lambda$$

heights given: 2 groups

can I separate data into

