

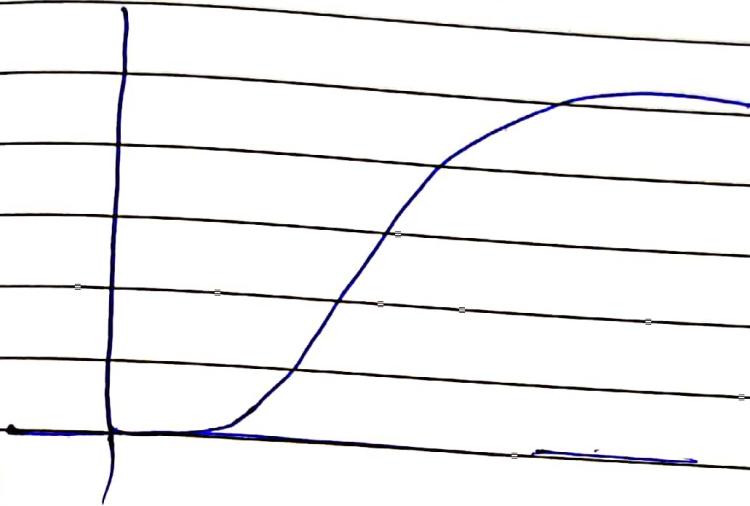
31
MONDAY

શ્રાવણ સુદ આઠમ, સોમવાર

JULY-2017

Compenz curve

CDF is $y = ae^{be^x}$

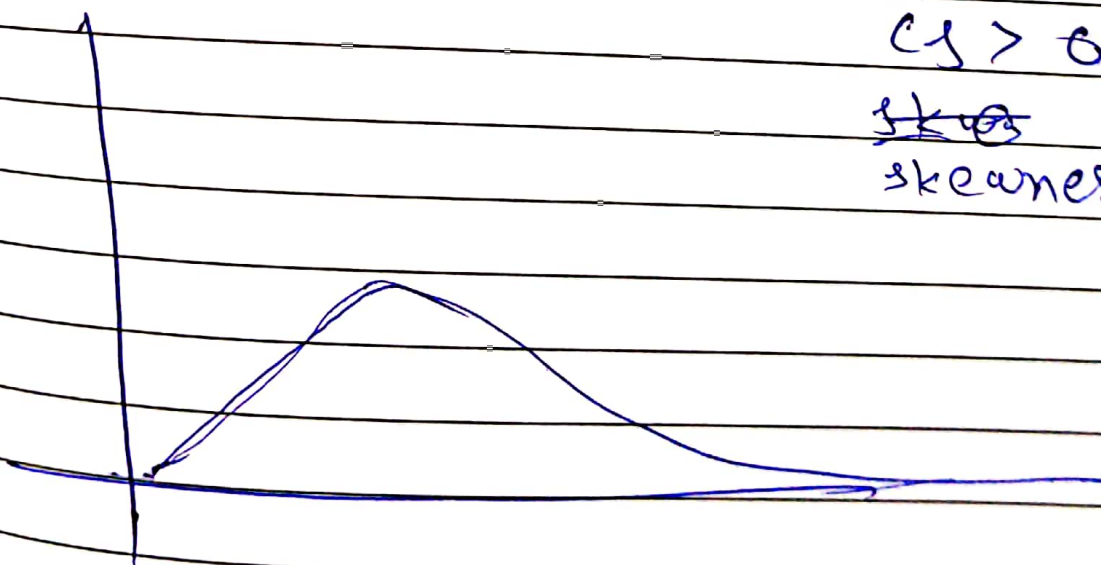


01
TUESDAY

શ્રાવણ સુદ નોમ, મંગળવાર

AUGUST-2017

PDF = $abc e^{be^x}$ tilt



$cs > 0$

~~skew~~

skewness > 0

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TUE

No Alzheimer $\xrightarrow{e_1^{12}} \text{On set Alzheimer}$

$$e_1^{12} = A + e_1^{12} \quad \text{AD}$$

$\lambda = 0.02025038$

On set Alzheimer disease $\xrightarrow{e_1^{23}} \text{Institutional Alzheimer disease}$

$$e_1^{23} = D \quad \text{constant}$$

$D = 0.18895779$

Onset Alzheimer $\xrightarrow{e_1^{24}} \text{die}$

$$M^{24} = p e_1^{24}$$

$p = 0.33502488$

Mortality of AD patient before becoming institutionalised is proportional of baseline mortality.

It was taken as AM80 mortality.

→ we use x_t^{23} & x_t^{24}

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WED

because we didn't use genities here.

→ Indicator function

$$I_j(t) = \begin{cases} 1 & \text{if life is in } j \text{ state at time } t \\ 0 & \text{otherwise} \end{cases}$$

→ Sample path function (N_{jk})

$$dN_{jk}(t) = \begin{cases} 1 & \text{if life transitions from state } j \text{ to state } k \text{ at time } t \\ 0 & \text{otherwise} \end{cases}$$

$$N_{jk}(T) = \int_0^T dN_{jk}(t) = \text{no. of transitions from } j \text{ to } k$$

p_{jj}^{xy} be the probability that life is in state j at age x is in state j at age y .

(same stage at two different ages)

M T W T F S S M T W T F S S M T

DECEMBER