Tdi s t

Monday, May 27, 2024 11:22

$$\frac{11.22}{X \sim \mathcal{N}(\mathcal{U}_{1}, \mathbb{G}^{2})} + \frac{11.22}{U^{2}} = \frac{U}{\sqrt{\mathcal{I}}p} = \frac{11.22}{W} = \frac{11.22}{W}$$

$$\frac{11.22}{W} = \frac{11.22}{W} = \frac{11.22}$$

東路:知道 U.V. WA MKI) か POF ボモ= U F原上就是用 charge of Javiable.

$$U = t w^{\frac{1}{2}} \cdot p^{-\frac{1}{2}} \qquad \frac{du}{dw} = p^{-\frac{1}{2}} t \cdot \frac{1}{2} w^{-\frac{1}{2}} \qquad \frac{du}{dt} = \int \frac{w}{p}$$

$$V = w \qquad \frac{du}{dw} = 1 \qquad \frac{dw}{dt} = 0$$

$$\therefore [J] = \left| -\frac{w}{p} \right| = J\frac{w}{p}$$

$$f_{T,w}(t,w) = f_{u(w)}f_{v(w)} \cdot J$$

$$= \frac{1}{p2x} \exp\left\{ -\frac{1}{2} t^{2} \frac{w}{p} \right\} \cdot \frac{1}{\tau(t^{2})} \frac{1}{2^{2}} \cdot w^{\frac{p}{2}-1} e^{-\frac{w}{2}} J$$

求 T 的 morginal PDF

$$f_{T}(t) = \int_{-\infty}^{+\infty} f_{T,W}(t_{r}w, \overline{W}) w = \int_{-\infty}^{+\infty} f_{T,W}(t_{r}w, \overline{W}) w = \int_{-\infty}^{+\infty} f_{T}(t_{r}) 2^{\frac{1}{2}} \int_{-\infty}^{\infty} e_{xp} \int_{-\frac{1}{2}}^{-\frac{1}{2}} \frac{1}{t_{r}} \frac{1}{t_{r}} \frac{1}{t_{r}} \int_{-\infty}^{\infty} e_{xp} \int_{-\frac{1}{2}}^{-\frac{1}{2}} \frac{1}{t_{r}} \frac{1}{t_{r}} \frac{1}{t_{r}} \frac{1}{t_{r}} \int_{-\infty}^{\infty} e_{xp} \int_{-\frac{1}{2}}^{-\frac{1}{2}} \frac{1}{t_{r}} \frac{1}{t_{r}} \frac{1}{t_{r}} \frac{1}{t_{r}} \int_{-\infty}^{\infty} e_{xp} \int_{-\frac{1}{2}}^{-\frac{1}{2}} \frac{1}{t_{r}} \frac{1}{t_{r}} \frac{1}{t_{r}} \frac{1}{t_{r}} \int_{-\frac{1}{2}}^{\infty} \frac{1}{t_{r}} \frac{1}{t_{r}} \frac{1}{t_{r}} \frac{1}{t_{r}} \frac{1}{t_{r}} \int_{-\frac{1}{2}}^{\infty} \frac{1}{t_{r}} \frac{1}{t_{r}} \frac{1}{t_{r}} \int_{-\frac{1}{2}}^{\infty} \frac{1}{t_{r}} \frac{1}{t_{r$$

$$= \int \overline{p_{2}} \overline{\tau(t_{2})} \frac{1}{t_{1}} \int e^{x} p^{1} \int e^{x} p^{1} \frac{1}{t_{1}} \int e^{x} \frac{1}{t_$$

$$- \frac{1}{2} \frac{$$