·Mxn(ant)

$$Mx(t) := E(e^{tX}), t \in \mathbb{R}$$

$$= \int_{-\infty}^{\infty} e^{tX} f(x) dx$$

$$= \int_{-\infty}^{\infty} e^{tX} dF(x)$$

$$= \int_{-\infty}^{\infty} e^{tX} dF(x)$$

$$= \int_{-\infty}^{\infty} e^{tX} dF(x)$$

$$= (X^{n}) = M_{X}^{(n)}(0)$$

$$- Fight \times = (X_{1}, ..., X_{n})$$

 $M\vec{x}(\vec{t}) := E(e^{\vec{t}}\vec{x})$ 

## 確や月南的と積み年度的

$$P(\mathbf{X}) = \sum_{k=0}^{\infty} p_k \, \mathbf{Z}^k = E\{\mathbf{Z}^{\mathbf{X}}\} = \int_{-\infty}^{\infty} (\mathbf{e}^t)^{2!} f(\mathbf{x}) \, d\mathbf{x}$$

$$\mathbf{e}^t$$

$$Y = h(x) \qquad x \in Ja) \geq k$$

$$X = h'(x) \qquad y = h(x)$$

$$X = h'(x) \qquad y = h(x)$$

$$Y = h(x) \qquad y =$$

$$f(x) = \frac{1}{x}$$

$$f(x)$$