$y = 2x - 1$

$y = 2x - 1$
$y = 2x - 1$
$x^2 - 1$

$$x^2 - 1$$

$x^{2y}, x^{2y^x}, X_{n_1}^{2y^z}$
$2^{2^{2^{2^{2^{2^{2^2}}}}}}$
$f'(x) \quad f'''(x)|_{x=0}$
$\pi, \Phi, \Sigma, \mu, \alpha$
$\mathit{\Gamma\Pi\Phi}$는 $\Gamma\Pi\Phi$와 다르다.
는 $\Psi\Theta\Omega$와 다르다.
$\sqrt[n]{x}$, $\sqrt[3]{ax+b}$, $\sqrt[2]{5}$, $\sqrt{2}$, $\sqrt[x]{2}$

$$\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+\sqrt{1+x}}}}}} \tag{1}$$

$$\sqrt{a} \quad \sqrt{d} \quad \sqrt{g}$$

$(x_1 + \cdots + x_n)$
$(a_1, \ldots, a_m)$
$\ldots(...)$
$\dfrac{x^2+1}{y_1^2-1}$
$1 + \frac{1}{1+\frac{1}{1+\frac{1}{1+\frac{1}{1+x}}}}$
$\frac{1}{2}$, $\frac{x}{2}$
$\mathcal{S}$를 $\mathcal{S} = \{A \mid A \ni \mathcal{T}\}$라 하자.
$\not\emptyset, \emptyset$
$\not\ni, \not\subset, \not<$
$\lim_{n\to\infty}$

$$\lim_{n\to\infty}$$

$\limsup_n$

$$\liminf_{n\longrightarrow\infty}$$

$$liminf_{n\longrightarrow\infty}$$

$a \bmod b \qquad y \pmod{a+b}$
$\iint\cdots\int f dP$
$1/\log n \qquad 1/\log$
$\sqrt{4}\,n$
$f(x;\mu,\sigma)=\frac{1}{\sqrt{2\pi}\sigma}\exp\left\{-\frac{(x-\mu)^2}{2\sigma^2}\right\}$

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디스플레이 스타일:

$$\sum_{i=1}^{n} x_i = \int_0^1 f$$

텍스트 스타일: $\sum_{i=1}^{n} x_i = \int_0^1 f$

$\dfrac{a-b}{c+d}$ 와 $\frac{a-b}{c+d}$
$\dfrac{a-b}{c+d}$
$\frac{a-b}{c+d}$
$\vec{x}+\vec{y}=\left\{\begin{array}{l} a \\ b \end{array}\right.$
$\mathbf{A}=\begin{pmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \\ a_{31} & a_{32} & a_{33} \end{pmatrix}$

$$\overparen{a-1}=\overgroup{x-y}+\widehat{\mathrm{Cov}}$$

$$\begin{array}{lcc} a & b & c \\ a-b & b-c & c-a \\ x^2+2x+1 & x^2+2x+1 & x^2+2x+1 \end{array}$$

$$\begin{array}{c} a_{11}x_1+a_{12}x_2+\cdots+a_{1n}x_n=b_1 \\ a_{11}x_1+a_{12}x_2+\cdots+a_{1n}x_n=b_1 \\ \vdots \\ a_{11}x_1+a_{12}x_2+\cdots+a_{1n}x_n=b_1 \end{array} \tag{2}$$

$$\left(\begin{array}{c} \left| \begin{array}{cc} a & b \\ c & d \end{array} \right| \\ e \\ f \end{array} \right)$$

$$x^n = \overbrace{x \times x \times \cdots \times x}$$

$$\overbrace{a + \underbrace{b + \overline{c + d}}}+e$$

$$\overbrace{a + \underbrace{b + c}_{123}}^{ab}+e$$

$$\frac{p(x_i|\boldsymbol{x}_{-i})}{1 - p(x_i|\boldsymbol{x}_{-i})} = \theta_1 \sum_{i=1}^{m} x_i + \beta_1 \sum_{\text{nbr}} x_i x_{i'} \tag{3}$$

$$\begin{aligned} (x+y)^2 &= x^2 + xy + yx + y^2 && (4) \\ &= x^2 + xy + xy + y^2 \\ &= x^2 + 2xy + y^2 && (5) \end{aligned}$$

$$\begin{aligned} (x+y)^2 &= x^2 + xy + yx + y^2 && (6) \\ &= x^2 + 2xy + y^2 \end{aligned}$$

$$\begin{aligned} &a + b + c + d + e + f + g + h + i + j + k + l = \\ &\quad x + y + z + a + b + c + d + e + f + g + o + s + t + \\ &\quad u + v + w \end{aligned}$$

Math italic $different$ is from *different*.

$$f(x) = \begin{cases} x & if x > 2 or if x < -2 \\ x & \text{if}x > 2\text{orif}x < -2 \\ x & \text{if } x > 2 \text{ or if } x < -2 \end{cases} \tag{7}$$

Form $\mathrm{e}^{\mathrm{pdf}}+$ (x)
$Form\ e^{pdf}+\ (x)$

$\texttt{Form e}^{\texttt{pdf}} + \ (\texttt{x})$
$\mathbf{Form\ e^{pdf}} + \ (\mathbf{x})$
$\mathsf{Form\ e^{pdf}} + \ (\mathsf{x})$
$\mathcal{ABC}$

$$\mathbf{a} = (a_1, a_2, \ldots, a_n)^T$$

$\boldsymbol{a = (a_1, a_2, \ldots, a_n)^T}$
$\boldsymbol{a}= (a_1, a_2, \ldots, a_n)^T$
$\boldsymbol{a} = (a_1, a_2, \ldots, a_n)^T$
$\boldsymbol{aX + \beta + \gamma}$
$\boldsymbol{aX + \beta + \gamma}$
$A \xrightarrow{f} B \xrightarrow{g} C$
$AAAAA$
$\dfrac{a+b}{c-d}$
$\frac{a+b}{c-d}$
$1 + \frac{1}{1+\frac{1}{1+\frac{1}{1+\frac{1}{1+\frac{1}{1+x}}}}}$
$1 + \cfrac{1}{1+\cfrac{1}{1+\cfrac{1}{1+\cfrac{1}{1+\cfrac{1}{1+x}}}}}$

$$\text{표준편차} = \sqrt{\text{분산}} = \sqrt{\frac{\text{편차}^2\text{의 합}}{\text{표본의 개수} - 1}} \tag{8}$$

$\int_0^\infty f(x)dx$
$\int\limits_0^\infty f(x)dx$
$\displaystyle\int\limits_0^\infty f(x)dx$
$\int_0^\infty f(x)dx$
$\displaystyle\int_0^\infty f(x)dx$
$\inf\sup_{n\to\infty} f_n(x)$
$\displaystyle\inf\sup_{n\to\infty} f_n(x)$

$\inf \sup\limits_{n\to\infty}^{\text{woops}} f_n(x)$
$\inf \sup_{n\to\infty}^{\text{woops}} f_n(x)$

$$\sum_{\substack{i,j=1,n\\ i\neq j}}$$

$\displaystyle\sum_{i,j=1,n i\neq j}$
$\binom{2n}{n}$, ${}_{2n}\mathrm{C_n}$
$\left(\begin{array}{c} 2n \\ n \end{array}\right)$

$$\tbinom{2n}{n}$$

$\genfrac{[}{]}{0pt}{}{x}{2y}$
$\genfrac{\{}{\}}{0pt}{}{a-c}{b}$

$${}^{231}_{73}\mathrm{U}$$

$${}^{231}_{73}\mathrm{U}$$

$$x + \left\langle \begin{matrix} a+b \\ c \end{matrix} \right\rangle$$

$$x + \left\uparrow \begin{matrix} a+b \\ c \end{matrix} \right\downarrow$$

$$B = \begin{pmatrix} \lambda & l \\ a & \alpha \end{pmatrix}$$

$$B = \left(\begin{array}{cc} \lambda & l \\ a & \alpha \end{array} \right)$$

$$A = \begin{array}{c@{}c} & \begin{array}{ccc} n_1 & n_2 & n_3 \end{array} \\ \begin{array}{c} m_1 \\ m_2 \end{array} & \begin{pmatrix} A_{11} & A_{12} & A_{13} \\ A_{21} & A_{22} & A_{23} \end{pmatrix} \end{array}$$

$$A = \quad \begin{array}{cc} & \begin{array}{ccc} n_1 & \quad n_2 & \quad n_3 \end{array} \\ \begin{array}{c} m_1 \\ m_2 \end{array} & \left(\begin{array}{ccc} A_{11} & \quad A_{12} & \quad A_{13} \\ A_{21} & \quad A_{22} & \quad A_{23} \end{array} \right) \end{array}$$