LaTeXDemo

Statistical Computing

March 3, 2020

itemize

- 張仲凱
- def
- ghi

enumerate

1 abc

2 def

3 ghi

array

$$\begin{pmatrix} 1 & 2 & 3 & 1 & 2 & 3 \\ 4 & 5 & 6 & 4 & 5 & 6 \\ 7 & 8 & 9 & 7 & 8 & 9 \end{pmatrix}$$

pmatrix

$$\begin{pmatrix} 1 & 2 & 3 & 1 & 2 & 3 \\ 4 & 5 & 6 & 4 & 5 & 6 \\ 7 & 8 & 9 & 7 & 8 & 9 \end{pmatrix}$$

array

$$|x| = \left\{ \begin{array}{r} x, \quad \text{if } x \geq 0 \\ -x, \quad \text{if } x < 0 \end{array} \right.$$

cases

$$|x| = \begin{cases} x, & \text{if } x \geq 0 \\ -x, & \text{if } x < 0 \end{cases}$$

math mode

- $\alpha, \beta, \gamma, \Gamma, \zeta, \eta, \sigma, \Sigma$

- $\lim\limits_{x \to a} f(x)$

- $f'(x)$

- $\displaystyle\int_a^b f(x)dx$

- $\sqrt{x^2 + 3}$

- $\sin, \cos, \log, \ln$

- $\dfrac{x-1}{x+1}$

align

$$\alpha = a + b - c \tag{1}$$
$$\beta = 2c \tag{2}$$

$$\alpha = a + b - c$$
$$= 2c$$
$$= 5$$

$$\alpha = a + b - c$$
$$\beta = 2c \tag{3}$$

tabular

Jan.	Feb.	Mar.
2	0	3
1	4	7

graphic