

## 1 Basic Functions

$$\begin{aligned}g(a) &= g(b) \\f(a) &= g(h(c)) \\h(c) &= \sin a^2 \\&\sin f(a)\end{aligned}$$

## 2 Trigonometric functions

$$\begin{aligned}\sin a + \tan b \\ \sin a \cos b &\neq \sin(a \cos b) \\ \sin 2\pi &\neq \log 2x^2\end{aligned}$$

## 3 Probability functions

$$\begin{aligned}p(x, y|\Theta) \\ p(y|x, \Theta)\end{aligned}$$

## 4 Missing arguments

$$\begin{aligned}fgh \\ fgha\end{aligned}$$

## 5 Operator-like functions

$$\begin{aligned}FGH \\ FGHa \\ f'(a) &= a^2 \\ f^2(a) &= g^b(2)\end{aligned}$$

## 6 Scripts

$$\ln a = \log_e a = \ln_+ b$$