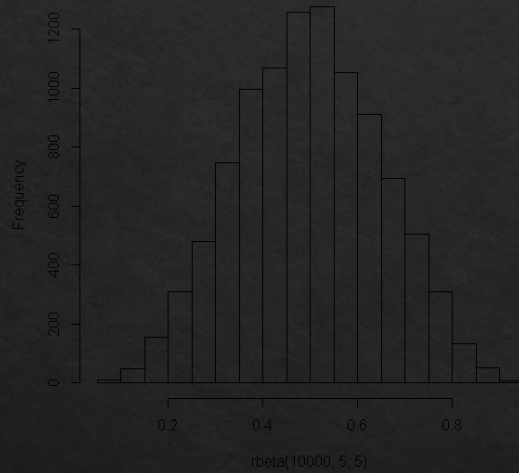
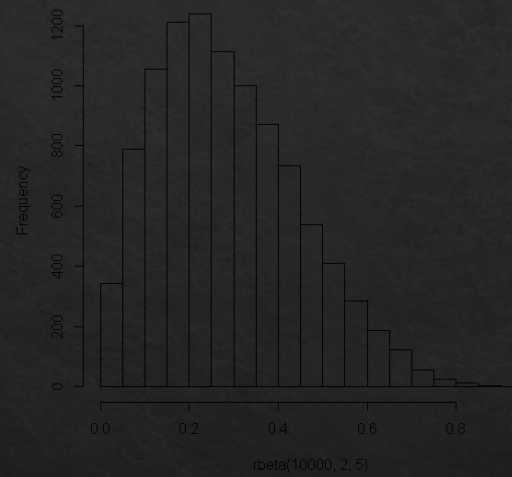


# Histograma

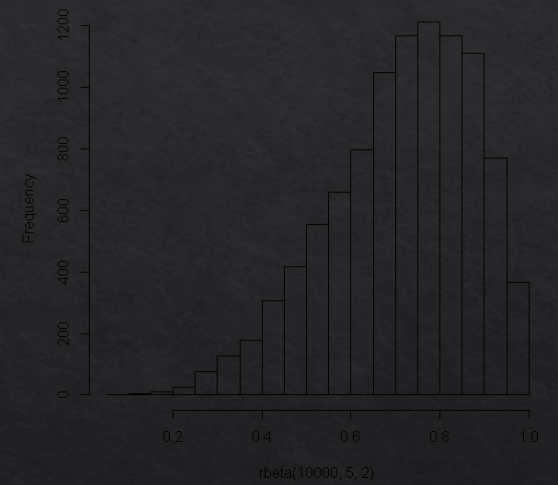
Histogram of  $\text{rbeta}(10000, 5, 5)$



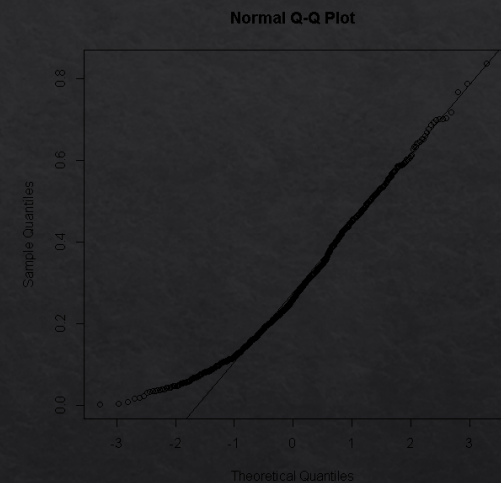
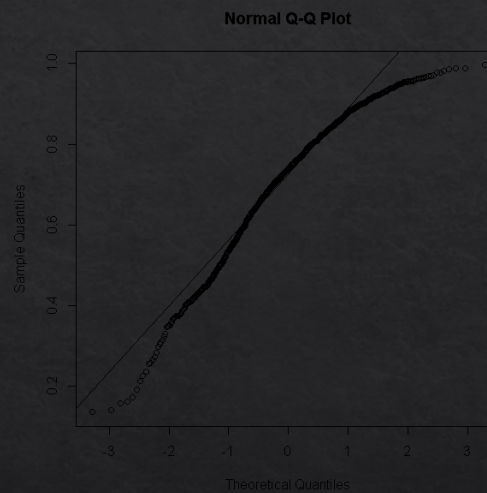
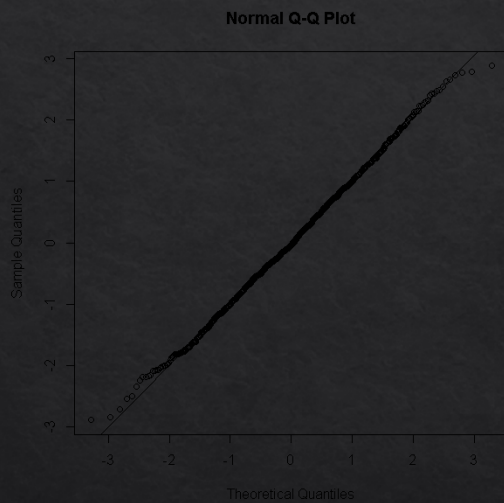
Histogram of  $\text{rbeta}(10000, 2, 5)$



Histogram of  $\text{rbeta}(10000, 5, 2)$



# Diagrama de Probabilidade Normal



# Teste de Shapiro–Wilk

- ♦ Teste de Hipótese
- ♦  $H_0$  = Dados estão normalmente distribuídos
- ♦  $\alpha = 0,05$
- ♦ valor de  $p \leq 0,05$ : rejeita hipótese nula
- ♦ valor de  $p > 0,05$ : não é possível rejeitar a hipótese nula
  
- ♦  $p\text{-value} = 0.001722$  ( $p \leq 0,05$ ) - “não normal”
- ♦  $p\text{-value} = 0.05696$  ( $p > 0,05$ ) - “normal”

Valor de p	
$\leq 0,05$	Não
$> 0,05$	Sim