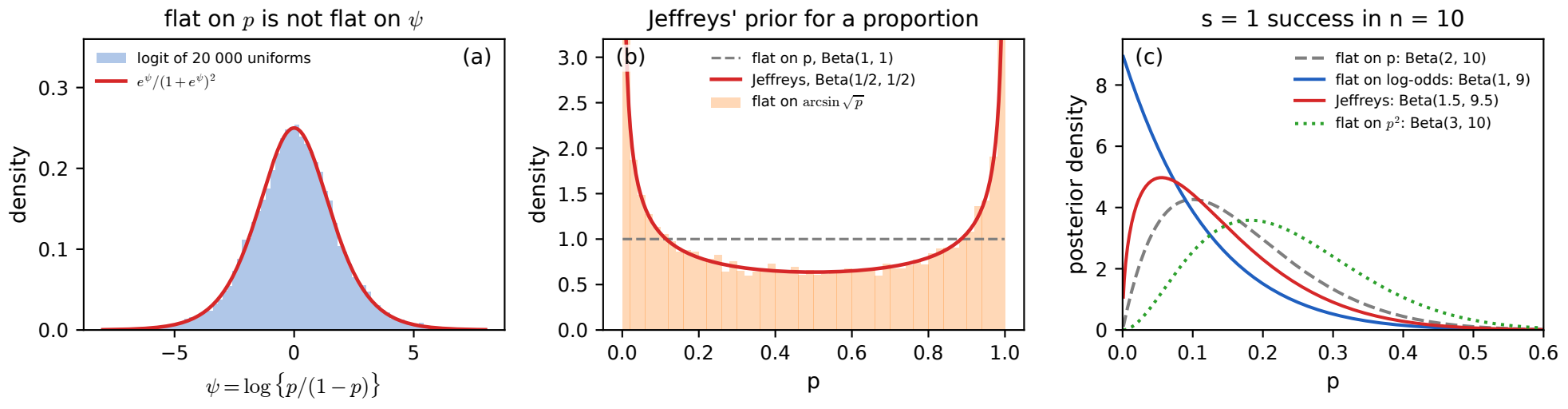

flat on p is not flat on ψ
logit of 20 000 uniforms
$e^{\psi}/(1+e^{\psi})^2$
(a)
density
$\psi = \log\{p/(1-p)\}$
Jeffreys' prior for a proportion
(b)
flat on p, Beta(1, 1)
Jeffreys, Beta(1/2, 1/2)
flat on $\arcsin\sqrt{p}$
density
p
s = 1 success in n = 10
(c)
flat on p: Beta(2, 10)
flat on log-odds: Beta(1, 9)
Jeffreys: Beta(1.5, 9.5)
flat on p^2: Beta(3, 10)
posterior density
p