Posterior using Beta(0,0) Prior Posterior using Beta(.5,.5) Prior ω ∞ 9 9 $P(\theta \mid X = x)$ α \sim 0.0 0.2 0.0 0.2 0.4 0.6 8.0 1.0 0.4 0.6 8.0 1.0 θ θ Posterior using Beta(1,1) Prior Posterior using Beta(2,2) Prior ω ∞ 9 9 $P(\theta \mid X = x)$ N α

0.0

0.2

0.4

0.6

8.0

1.0

0.0

0.2

0.4

0.6

8.0

1.0