Power/Assurance Curves for Difference in Proportions

$p_1 \sim Beta(\alpha_1, \beta_1); p_2 \sim Beta(\alpha_2, \beta_2)$

$\alpha_1 = \beta_1 = 0.5$ and $\alpha_2 = \beta_2 = 0.5$

$\alpha_1 = \beta_1 = 2$ and $\alpha_2 = \beta_2 = 6$

$\alpha_1 = \beta_1 = 3$ and $\alpha_2 = \beta_2 = 7$

$\alpha_1 = \beta_1 = 4$ and $\alpha_2 = \beta_2 = 8$

colour

Bayesian Assurance

Frequentist Power

Power/Assurance

Sample Size $n = n_1 = n_2$