

power curve

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```
n <- 100
m1 <- 69
m2 <- 73
p= seq(0.4, 1, 1/n)
powercurve1 <- cumsum(dbinom(m1, n, p))
powercurve2 <- cumsum(dbinom(m2, n, p))
frame <- data.frame(p, powercurve1, powercurve2)
plot <- ggplot(frame) +
  geom_rect(aes(xmin= 0.6, xmax= 0.8, ymin=0.05, ymax= 0.95), alpha = 0.5)+
  geom_line(aes(p, powercurve1), color="red") +
  geom_line(aes(p, powercurve2), color="blue")
plot + labs(x="", y="")
```

