Homework\_5\_MathStats

Kristopher C. Toll

March 20, 2018

## Problem 5

### Part C

loglik <- function(n, x, p){  
 for(i in 1:length(p))  
 y <- log(choose(n, x)) + x\*log(p) + (n-x) \*log(1-p)  
 return(y)  
}  
  
n = 10  
x = 5  
p = seq(0, 1, length.out = 100)  
l = loglik(n, x, p)  
plot(p,l, main = "Log Likelihood of P")

