

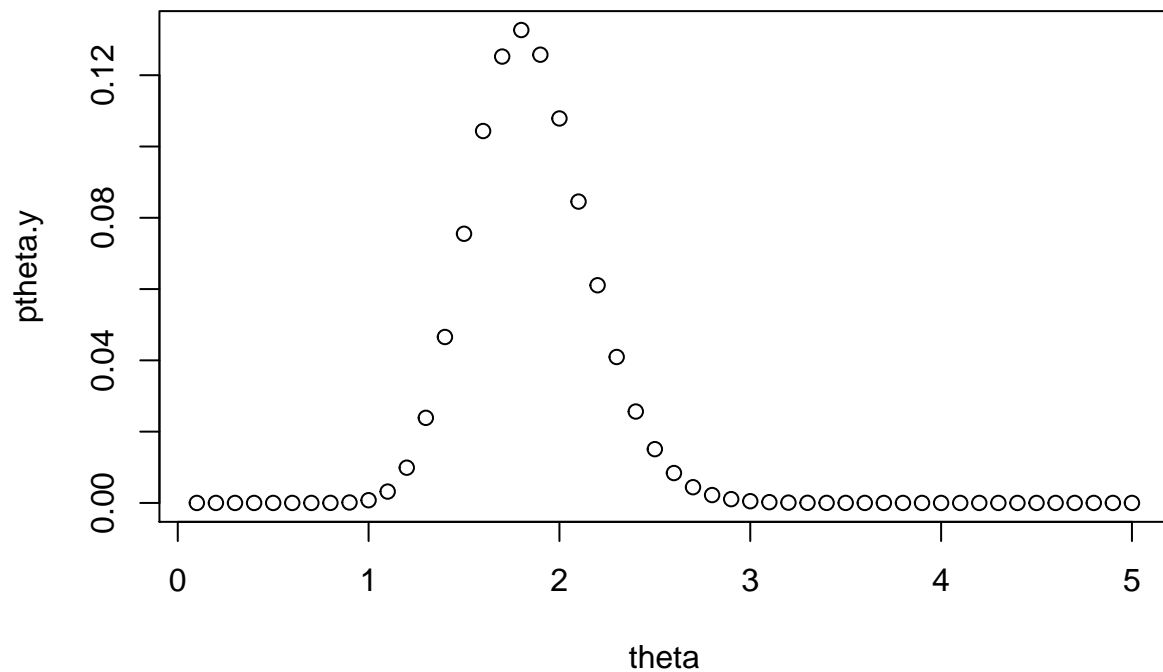
HW1

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2b)

```
n <- 20
y <- 36
theta <- seq(0.1, 5, length = 50)
py.theta <- dpois(y, lambda = n*theta)
ptheta <- rep(1/50, length = length(theta))
ptheta.y <- py.theta * ptheta / sum(py.theta * ptheta)
plot(theta, ptheta.y)
```



2c)

```

n <- 40
y <- 72
theta <- seq(0.1, 5, length = 50)
py.theta <- dpois(n,y, lambda = n*theta)
ptheta <- rep(1/50, length = length(theta))
ptheta.y <- py.theta * ptheta/sum(py.theta * ptheta)
plot(theta, ptheta.y)

```

