

# LAB EVALUATION

Q1)

a)

```
data <- dpois(1,1/4)
```

```
print(data)
```

```
x<- c(0:5)
```

```
plot(x,y=ppois(x,1/4),xlab =NULL,ylab =NULL)
```

```
#b
```

```
y <- head(CO2)
```

```
print(y)
```

```
print("structure of the dataset")
```

```
str(CO2)
```

```
print("range of conc")
```

```
print(summary(CO2$conc))
```

```
print("mean of conc is \n")
```

```
print(mean(CO2$conc))
```

```
print("median of conc is \n")
print(median(CO2$conc))
```

```
print("variance of conc is \n")
print(sqrt(sd(CO2$conc)))
```

```
hist(CO2$conc)
abline(v=mean(CO2$conc),col="red")
```

```
#for uptake
print("mean of uptakr is \n")
print(mean(CO2$uptake))
```

```
print("median of uptakr is \n")
print(median(CO2$uptake))
```

```
print("variance of uptakr is \n")
print(sqrt(sd(CO2$uptake)))
```

```
print("range of uptake")
print(summary(CO2$uptake))
```

```
hist(CO2$uptake)
abline(v=mean(CO2$uptake),col="green")
```

```
data<- data.frame(datasets::co2)
str(data)
```

Q2)

```
data <- matrix(c(0,3/10,3/10,0,2/10,6/10,0,0,1/10,0,0,0),nrow=3,ncol=4,byrow=TRUE)
```

```
sum(data)
```

```
marginal_x<- apply(data,1,sum)
```

```
marginal_y<- apply(data,2,sum)
```