21BDS0340

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Probability and Statistics Lab

Lab Assessment – V

**Question 1**

Code:

x = c(0:6)

f = c(109, 53, 131, 12, 35, 21, 12)

lambda = sum(f \* x) / sum(f)

expf = dpois(x, lambda) \* sum(f)

f1 = round(expf)

chisq = sum((f - expf)^2/expf)

print(chisq)

chisq\_alpha = qchisq(0.95, 2)

print(chisq\_alpha)

if(chisq > chisq\_alpha){

print("Poisson fit is not good")

} else {

print("Poisson fit is good")

}

Output:

