|  |
| --- |
| Question1 |
|  | fib<-function(n){ |
|  | x=vector() |
|  | x[1]=1 |
|  | x[2]=1 |
|  | for(i in 3:n) |
|  | x[i] = x[i-1] + x[i-2] |
|  | return(x) |
|  | } |
|  | Question3 |
|  | a. |
|  | setwd("~/Download") |
|  | dataset<- read.csv("PersonenSchaden.csv", header = TRUE) |
|  | b. |
|  | summary(dataset$total) |
|  | var(dataset$total) |
|  | sd(dataset$total) |
|  | c. |
|  | hist(dataset$total, breaks=250) |
|  | d. |
|  | delay<- dataset$finmonth-dataset$accmonth |
|  | hist(delay) |
|  | e. |
|  | proportion<hist(dataset$legrep) |
|  | proportion$counts = proportion$counts/sum(proportion$counts) |
|  | plot(proportion) |
|  | f. |
|  | injurycode<- rbind(dataset$inj1,dataset$inj2,dataset$inj3,dataset$inj4,dataset$inj5) |
|  | injury<-hist(injurycode) |
|  | injury$counts=injury$counts/sum(injury$counts) |
|  | plot(injury) |
|  | h. |
|  | logdollar<- log(dataset$total) |
|  | hist(logdollar) |
|  | i. |
|  | plot(dataset$op\_time,dataset$total, xlab = "operational time", ylab = "claimsize") |
|  | plot(dataset$op\_time,logdollar, xlab = "operational time", ylab = "log claimsize") |
|  | k. |
|  | colour<-factor(dataset$legrep) |
|  | plot(dataset$op\_time,logdollar, xlab = "operational time", ylab = "log claimsize", col=c("purple3","red2")[colour]) |