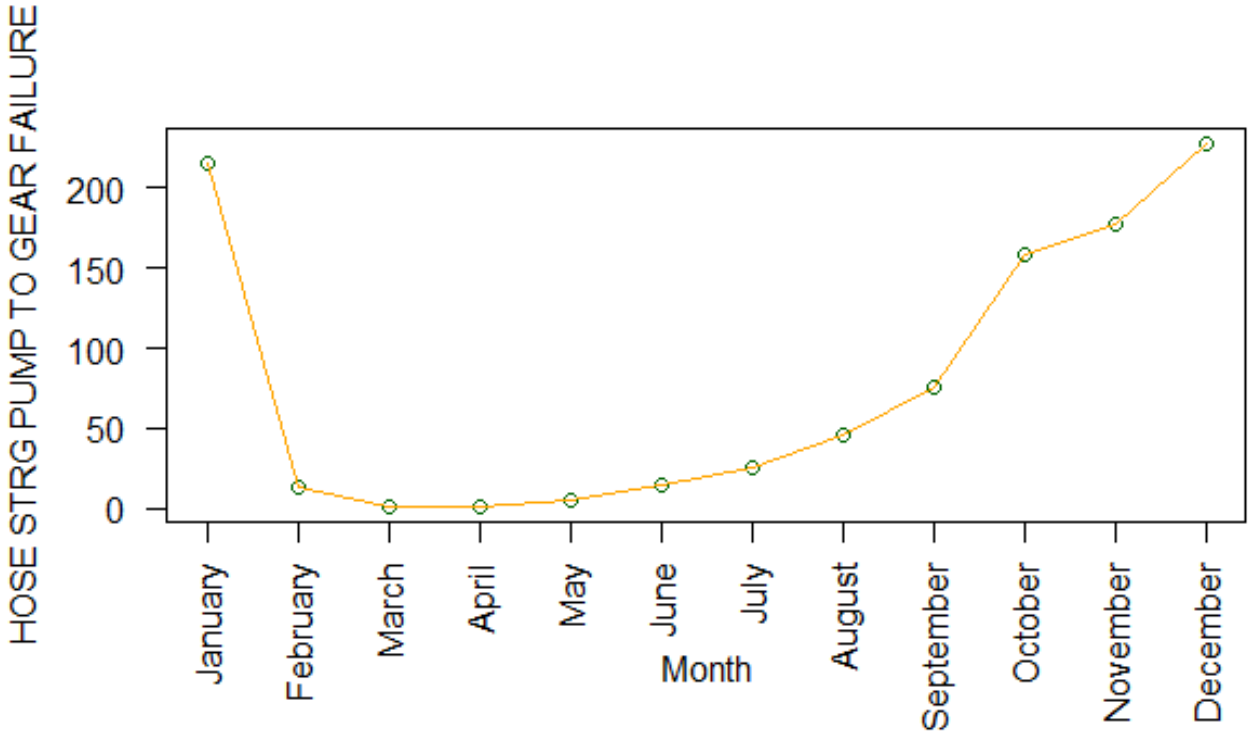
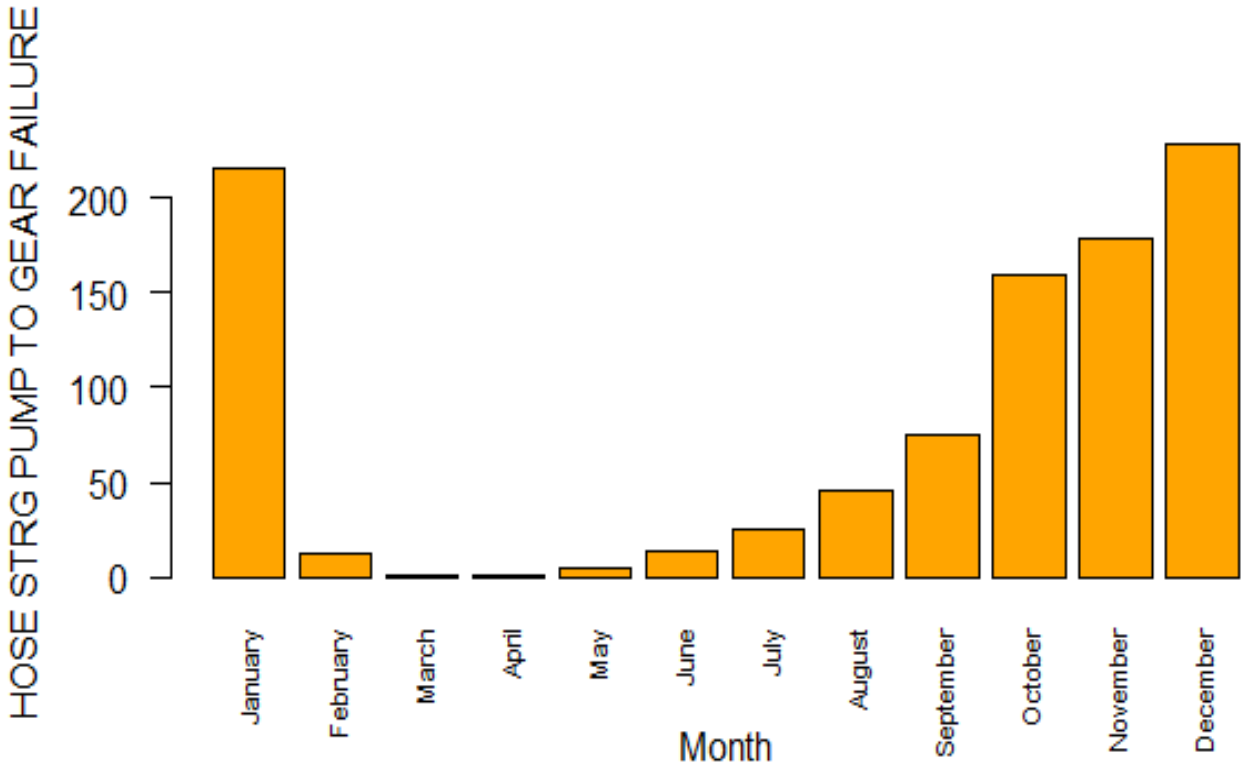
```
> mydata14<- read.csv("C:/Users/Nirbhay Pherwani/Desktop/sample44.csv")
>
> attach(mydata14)

>
> # Define variables
>
> time <- Month.No
>
> event <- event
>
> # Descriptive statistics
>
> summary(time)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.000   6.000  10.000   8.179  11.000  12.000
>
> summary(event)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
      1       1       1       1       1       1
>
> library(survival)
>
>
> # Kaplan-Meier non-parametric analysis
>
> kmsurvival <- survfit(Surv(time,event) ~ 1 , data=mydata14)
>
> summary(kmsurvival)
Call: survfit(formula = Surv(time, event) ~ 1, data = mydata14)

 time n.risk n.event survival std.err lower 95% CI upper 95% CI
    1    961     216    0.775  0.0135        0.749        0.802
    2    745      13    0.762  0.0137        0.735        0.789
    3    732       1    0.761  0.0138        0.734        0.788
    4    731       1    0.760  0.0138        0.733        0.787
    5    730       5    0.754  0.0139        0.728        0.782
    6    725      14    0.740  0.0142        0.713        0.768
    7    711      25    0.714  0.0146        0.686        0.743
    8    686      46    0.666  0.0152        0.637        0.696
    9    640      75    0.588  0.0159        0.558        0.620
   10    565     159    0.422  0.0159        0.392        0.455
   11    406     178    0.237  0.0137        0.212        0.266
   12    228     228    0.000     NaN           NA           NA
>
> par(las=2) # make label text perpendicular to axis
> barplot((kmsurvival$n.event) ,xlab="Month", ylab="HOSE STRG PUMP TO GEAR FAILURE" ,col="orange",
names.arg=c("January", "February", "March", "April", "May",
"June","July","August","September","October","November","December"), cex.names=0.7)
>
> par(las=2) # make label text perpendicular to axis
> plot((kmsurvival$n.event) ,xlab="Month", ylab="HOSE STRG PUMP TO GEAR FAILURE"
,col="darkgreen",xaxt="n")
> axis(1, at=1:12, labels=month.name)
> lines((kmsurvival$n.event) ,xlab="Month", ylab="HOSE STRG PUMP TO GEAR FAILURE", col="orange")
>
>
> # End of Kaplan-Meier non-parametric analysis
```





HOSE STRNG PUMP TO GEAR FAILURES ANALYSIS