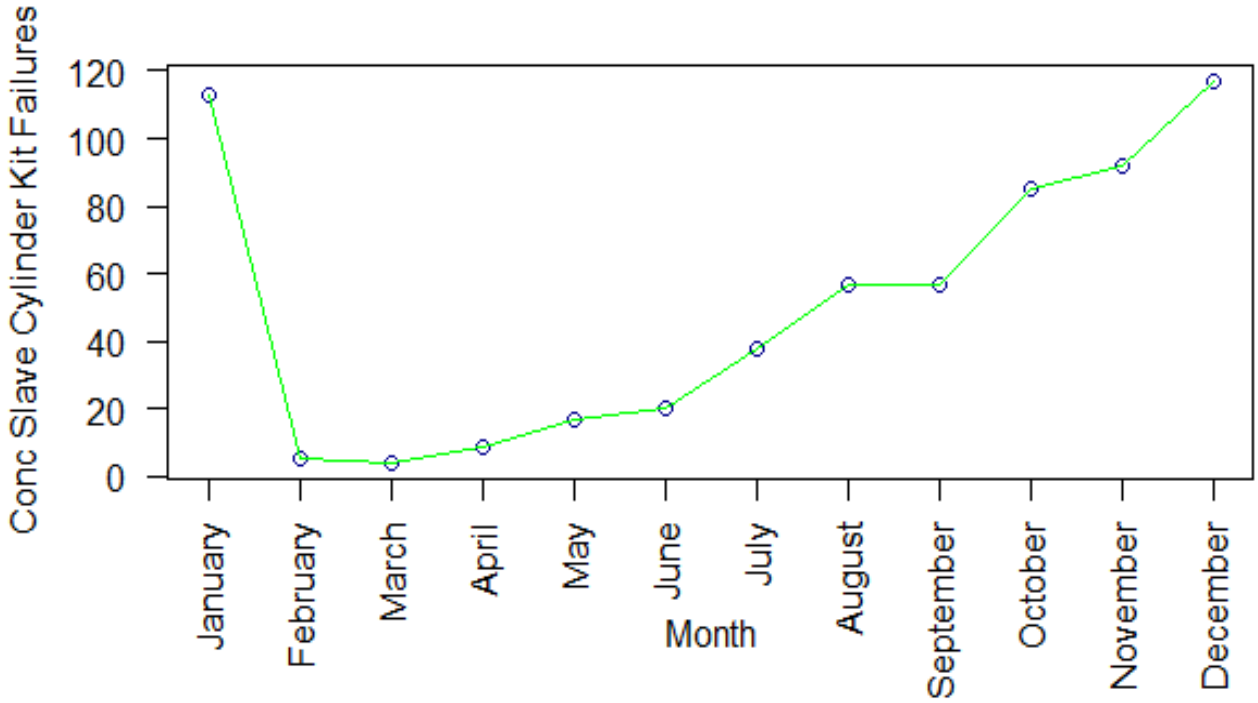
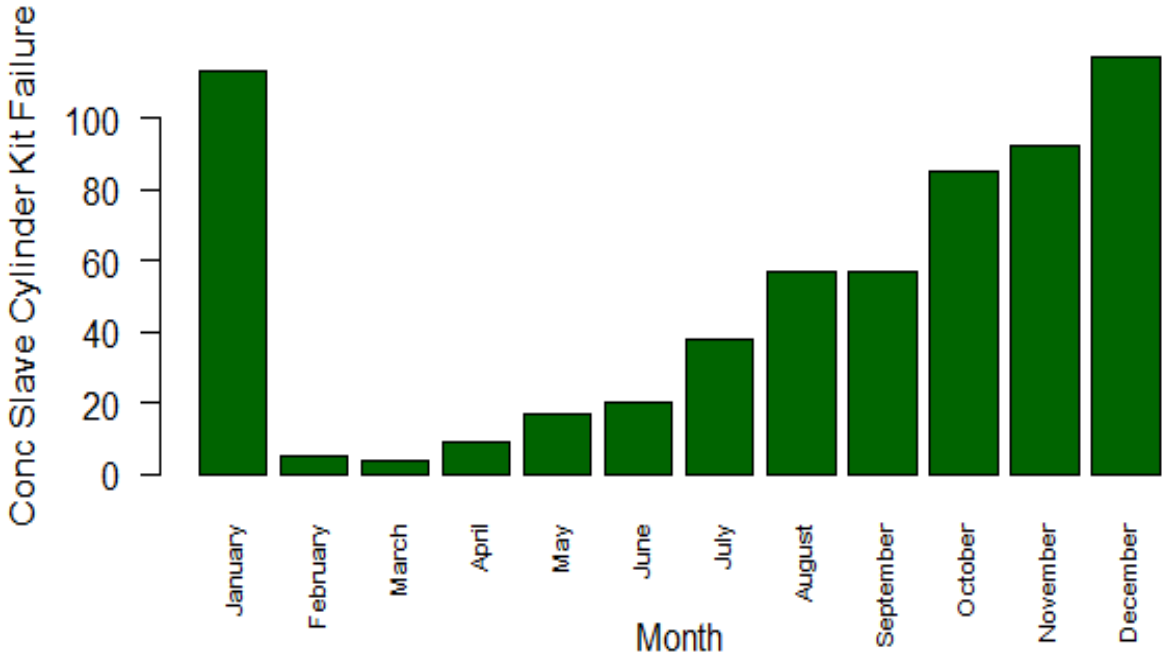
```
> mydata13<- read.csv("C:/Users/Nirbhay Pherwani/Desktop/sample22.csv")
>
> attach(mydata13)


>
> # Define variables
>
> time <- Month.No
>
> event <- event
>
> # Descriptive statistics
>
> summary(time)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  1.000   6.000   9.000   7.943  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=mydata13)
>
> summary(kmsurvival)
Call: survfit(formula = Surv(time, event) ~ 1, data = mydata13)

 time n.risk n.event survival std.err lower 95% CI upper 95% CI
    1    614     113    0.816  0.0156        0.786        0.847
    2    501       5    0.808  0.0159        0.777        0.840
    3    496       4    0.801  0.0161        0.770        0.833
    4    492       9    0.787  0.0165        0.755        0.820
    5    483      17    0.759  0.0173        0.726        0.794
    6    466      20    0.726  0.0180        0.692        0.763
    7    446      38    0.664  0.0191        0.628        0.703
    8    408      57    0.572  0.0200        0.534        0.612
    9    351      57    0.479  0.0202        0.441        0.520
   10    294      85    0.340  0.0191        0.305        0.380
   11    209      92    0.191  0.0158        0.162        0.224
   12    117     117    0.000     NaN           NA           NA
>
> par(las=2) # make label text perpendicular to axis
> barplot((kmsurvival$n.event) ,xlab="Month", ylab="Conc Slave Cylinder Kit Failure" ,col="darkgreen",
names.arg=c("January", "February", "March", "April", "May",
"June","July","August","September","October","November","December"), cex.names=0.7)
>
> par(las=2) # make label text perpendicular to axis
> plot((kmsurvival$n.event) ,xlab="Month", ylab="Conc Slave Cylinder Kit Failures"
,col="darkblue",xaxt="n")
> axis(1, at=1:12, labels=month.name)
> lines((kmsurvival$n.event) ,xlab="Month", ylab="Conc Slave Cylinder Kit Failures", col="green")
>
>
> # End of Kaplan-Meier non-parametric analysis
```





CONCENTRIC CYCLINDER KIT FAILURES ANALYSIS