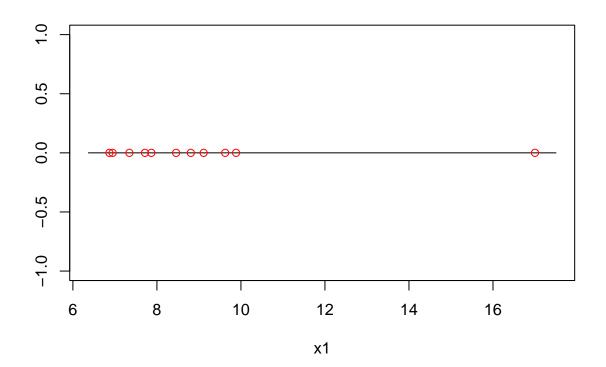
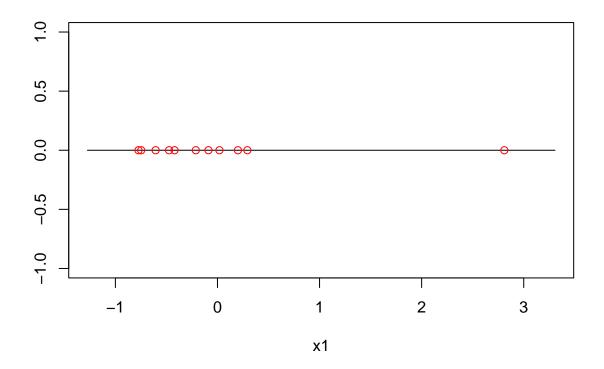
DQF_Anomaly_Demo

2022-10-26

Initializing the plotting data



```
data
##
## 1
       9.884810 0
       6.869580 0
## 2
## 3
       8.807510 0
## 4
       9.112458 0
       7.867722 0
## 5
## 6
       8.457062 0
## 7
       6.945309 0
## 8
       7.344730 0
## 9
       7.716549 0
## 10 9.624460 0
## 11 17.000000 0
data[1] <- apply(data[1], 2, scale)</pre>
plot.data(data)
```



```
draw.cone.1D <- function(conetip, point, angle, x.lim,direction){
  conetip <- as.numeric(conetip)
    slope <- tan(angle*(pi/180))

if(direction == 1) x <- seq(conetip,x.lim[2])
  else if(direction == -1) x <- seq(conetip,x.lim[1])

y.upper <- slope*(x-conetip)
  y.lower <- -slope*(x-conetip)</pre>
```

```
lines(x,y.upper,col='orange')
lines(x,y.lower,col='orange')
abline(v=point[1],col='orange')
}

par(mfrow=c(2,2))
for(i in seq(-1,3,.5)){
  plot.data(data)
  draw.cone.1D(i,data[10,],30,c(-2,4),-1)
}
```

