

Histograms for all refrigeration furnitures and rooms

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```
d_LT_gon = read.table(url('https://raw.githubusercontent.com/EmBro/MasterThesis/master/Data/Bilka_Temperature/Freez_Displays_100-115.csv'),
                        sep = ',', dec = '.', header = T)
```

Histograms for freezer gondolas

```
col.type <- data.frame("varType"=sapply(d_LT_gon, function (x) class(x)))
col.type$varName <- rownames(col.type)
```

```
rownames(col.type) <- NULL
```

```
noBreaks <- 50
```

```
nCol <- nrow(col.type)
```

```
for(i in 1:nCol){
```

```
  if(col.type[i,1]=="numeric"){
```

```
    hist(d_LT_gon[,col.type[i,2]],
```

```
         breaks=noBreaks,
```

```
         probability = T,
```

```
         main=paste(" Histogram for LT Gondola ",col.type[i,2],sep=""),
```

```
         ylab="Count",
```

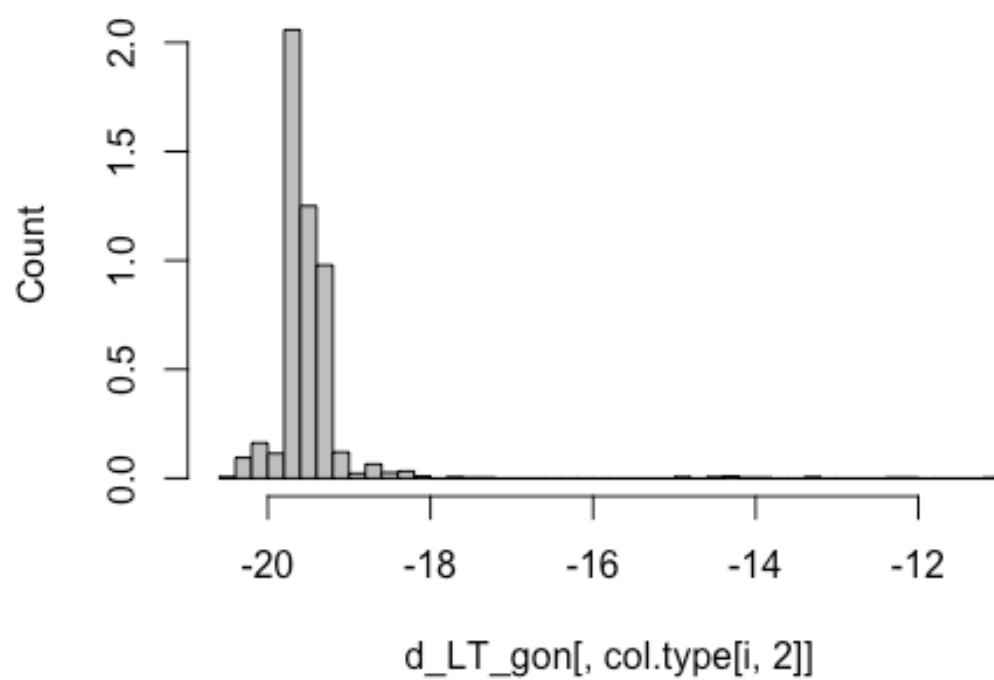
```
         col="grey"
```

```
    )
```

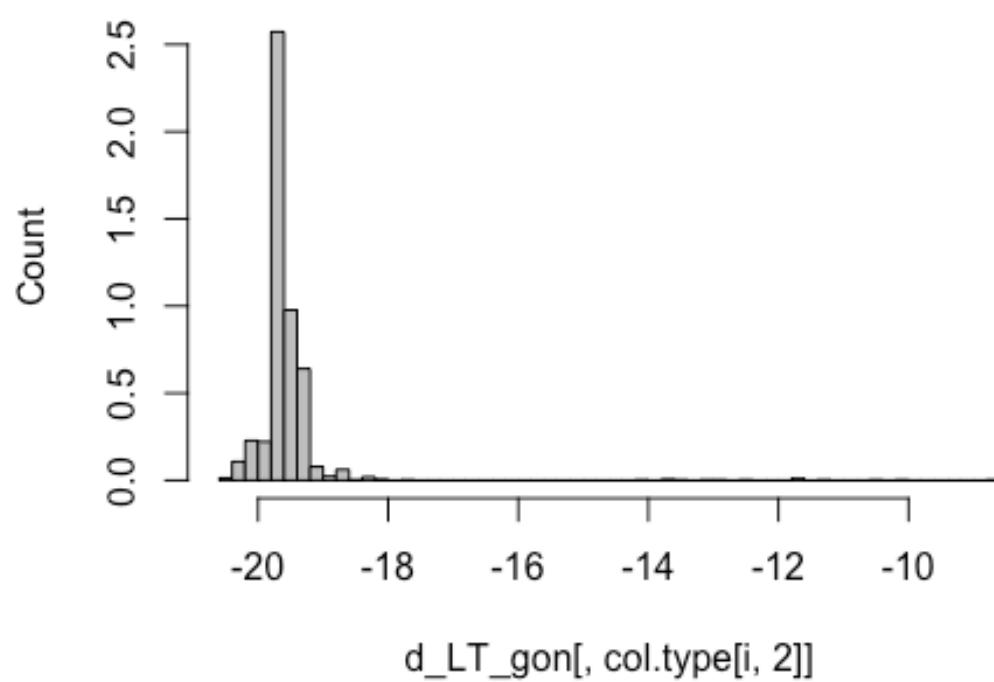
```
  }
```

```
}
```

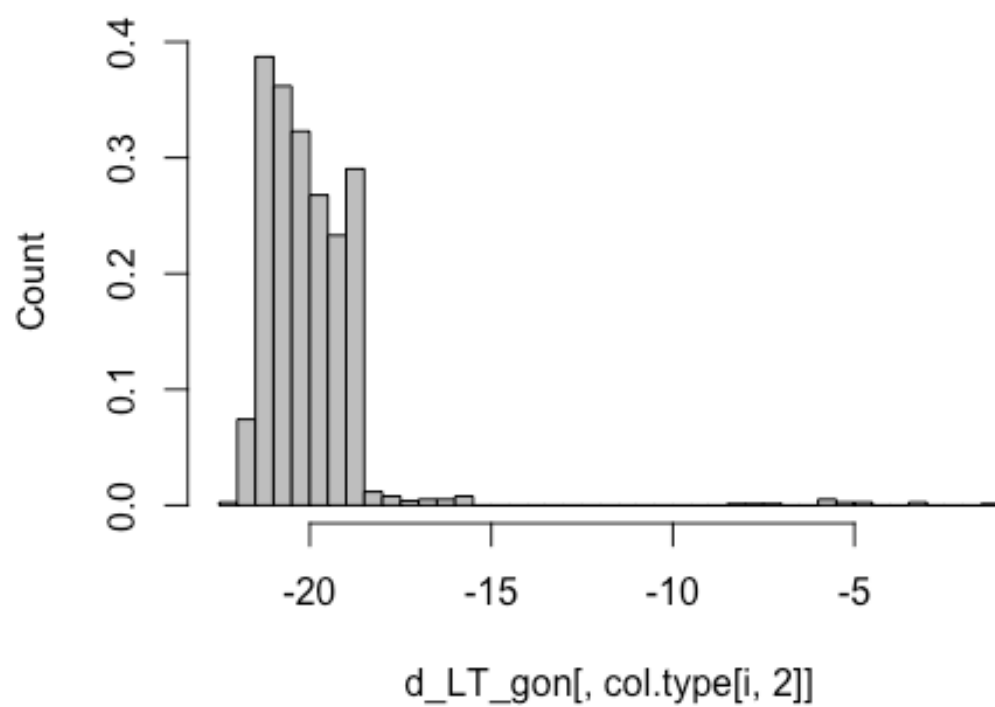
Histogram for LT Gondola X100



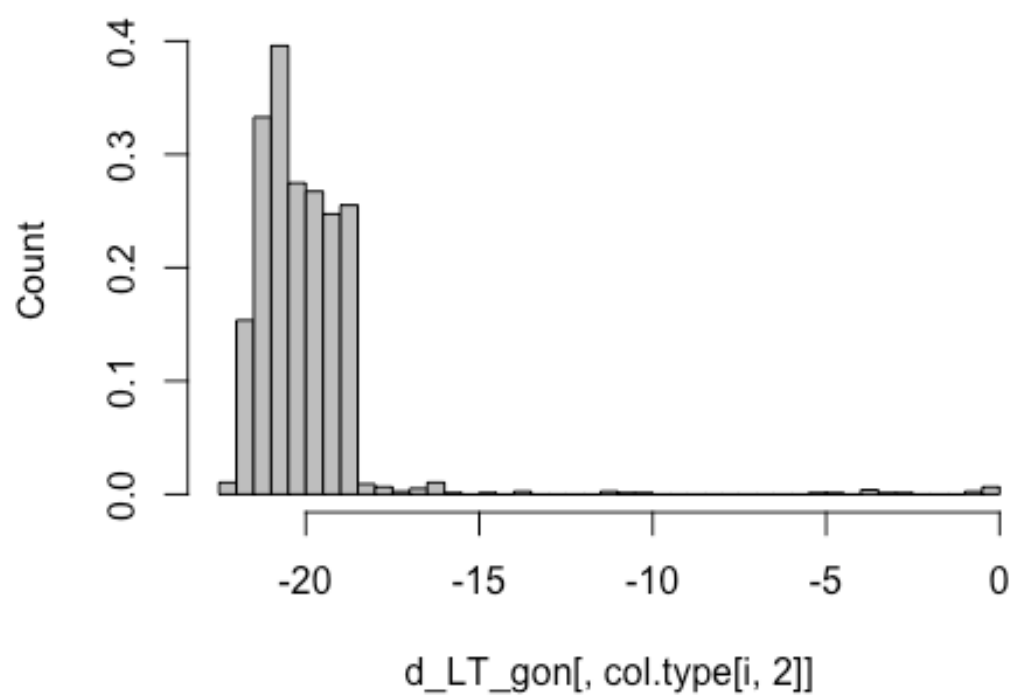
Histogram for LT Gondola X101



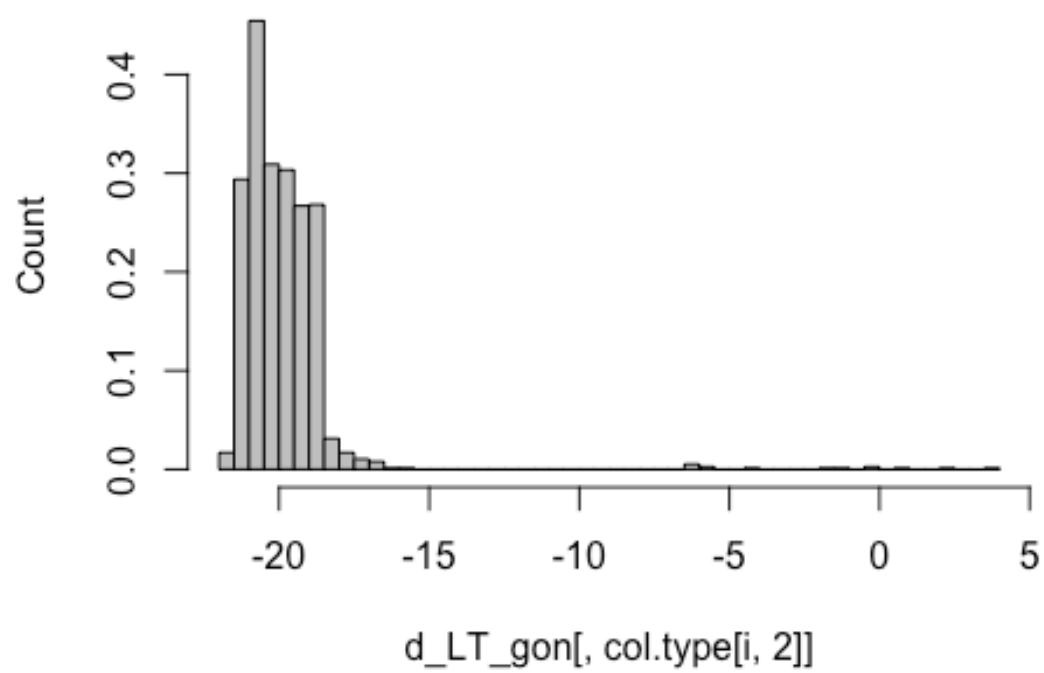
Histogram for LT Gondola X102



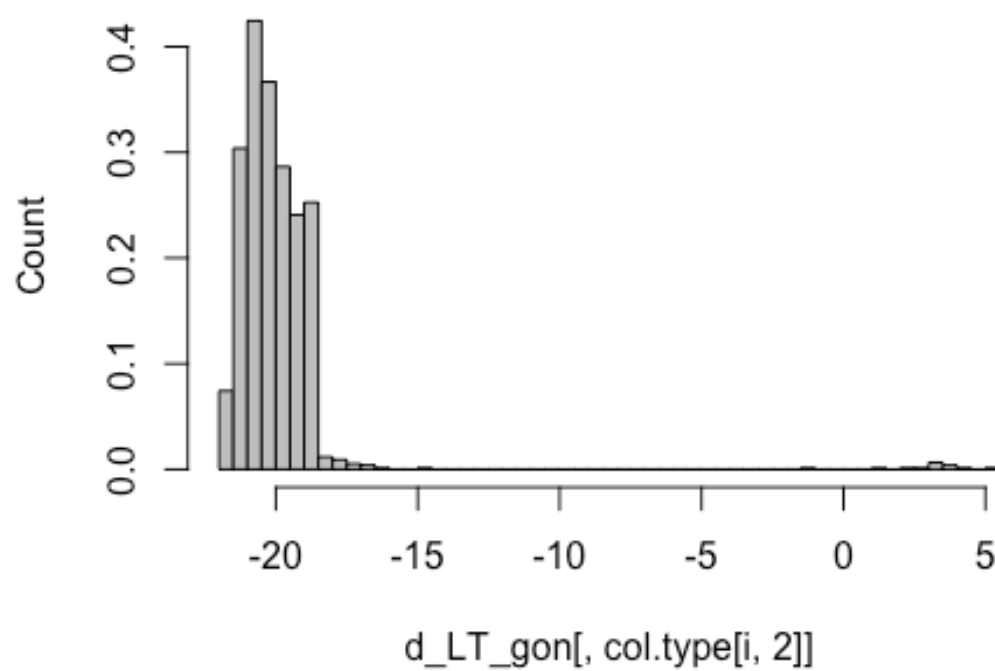
Histogram for LT Gondola X103



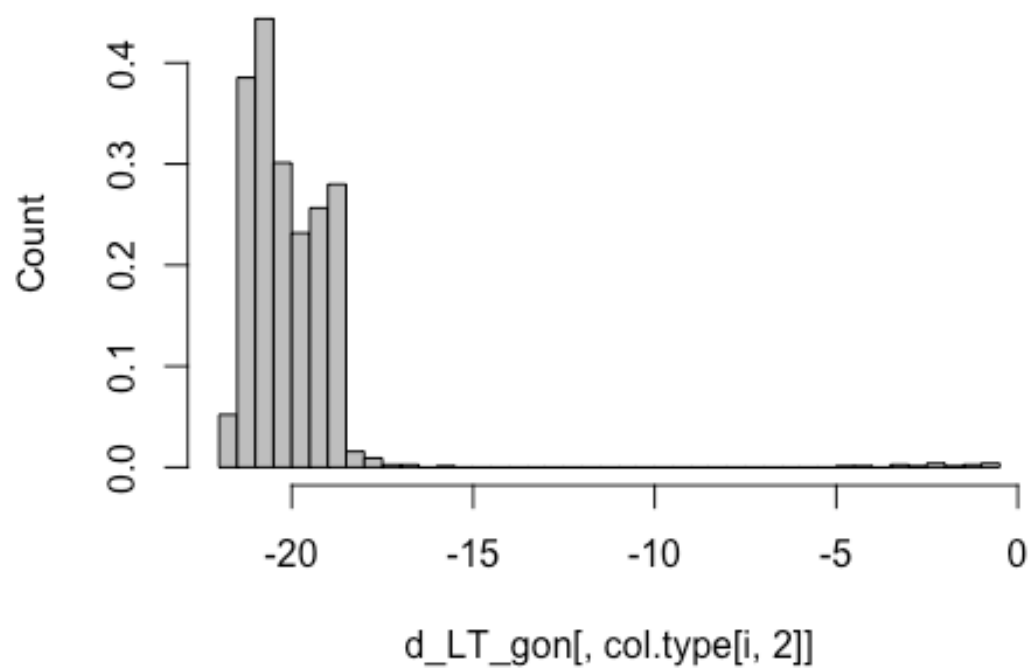
Histogram for LT Gondola X104



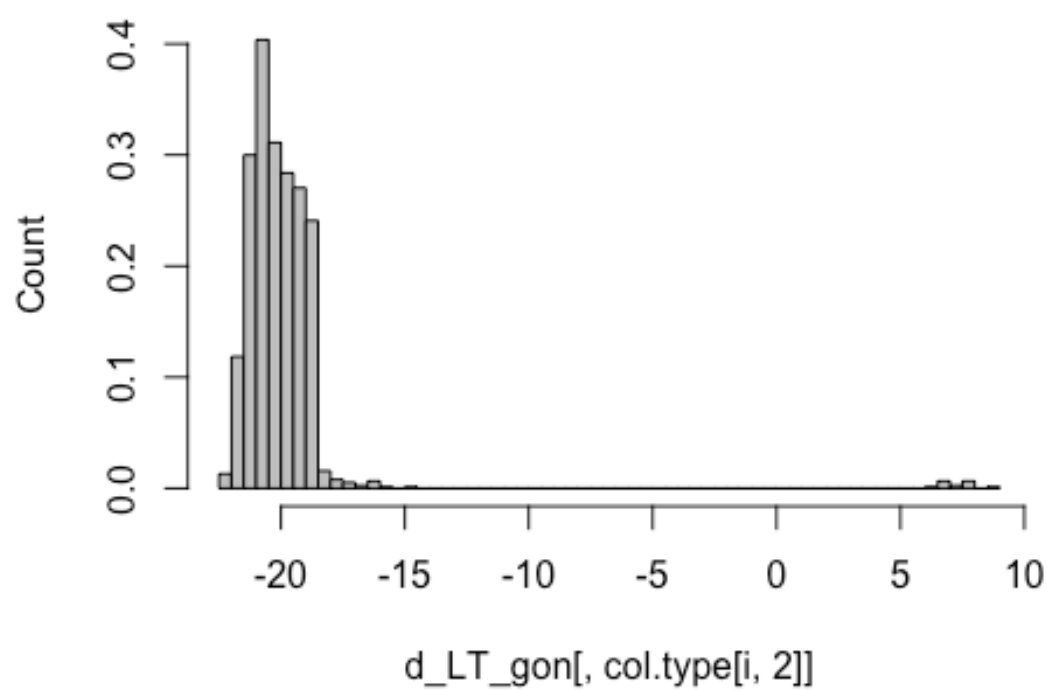
Histogram for LT Gondola X105



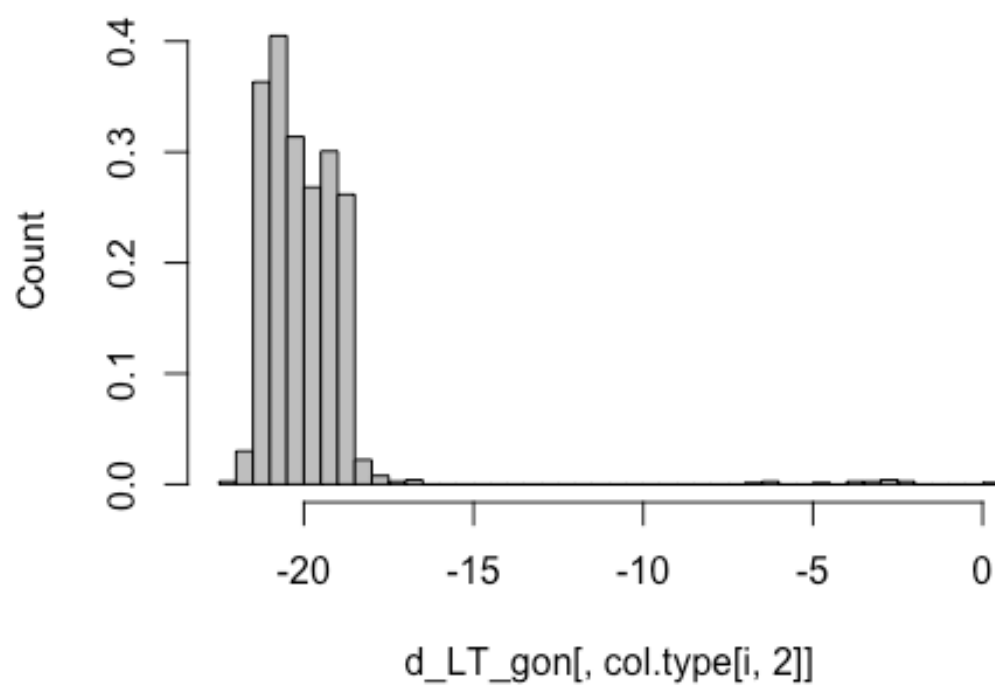
Histogram for LT Gondola X106



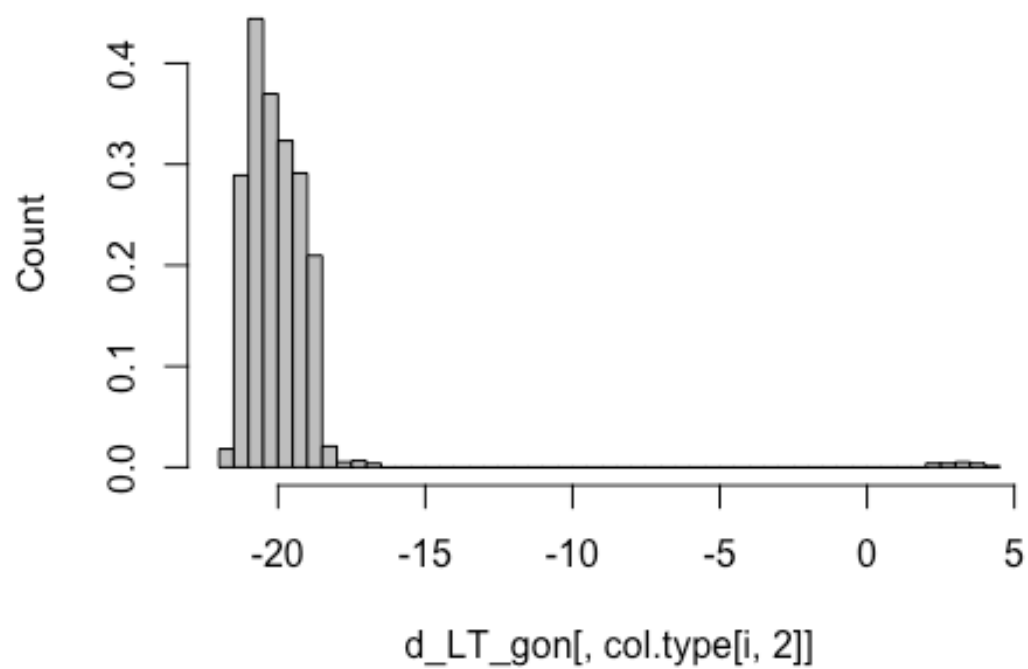
Histogram for LT Gondola X107



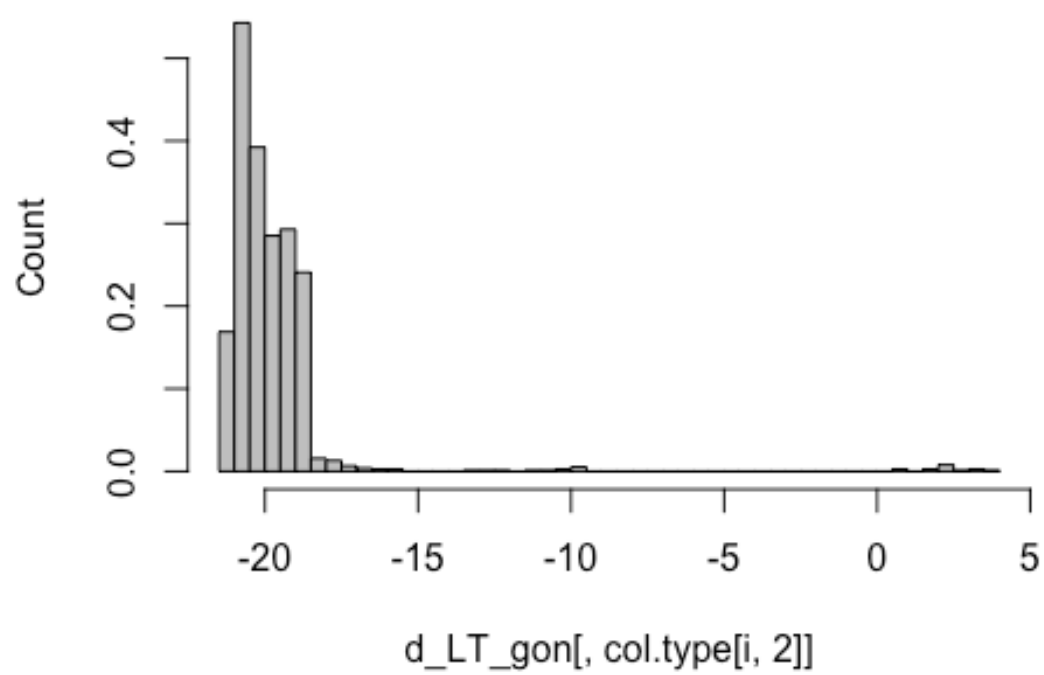
Histogram for LT Gondola X108



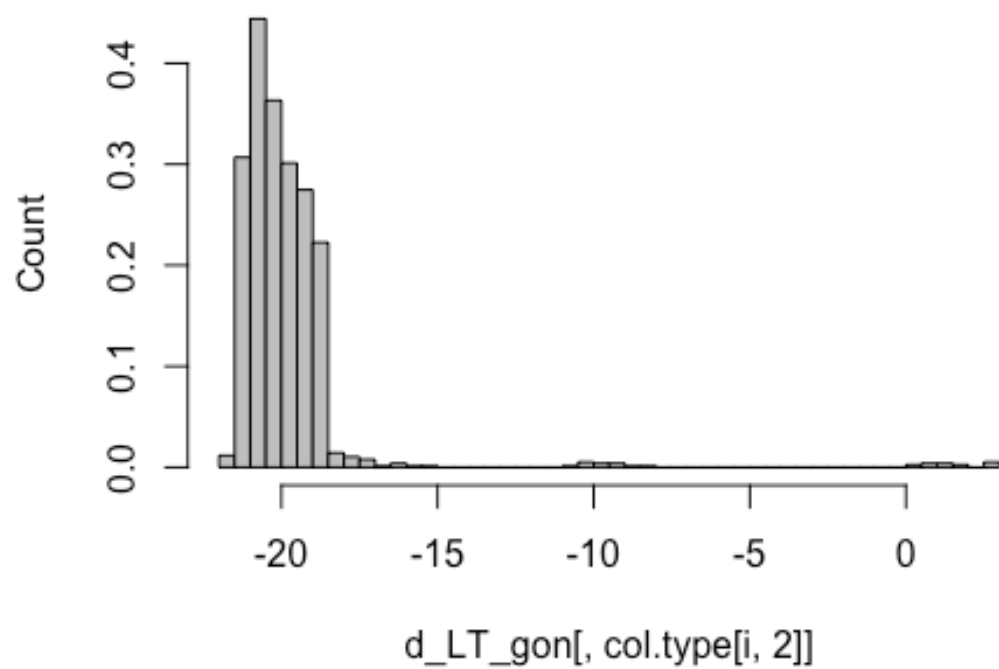
Histogram for LT Gondola X109



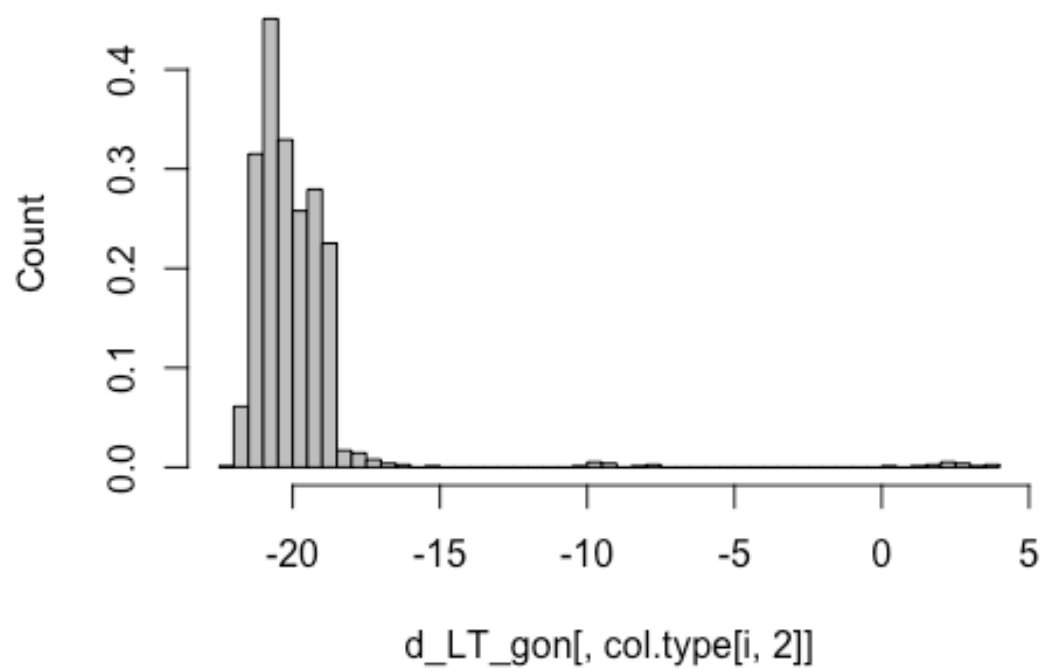
Histogram for LT Gondola X110



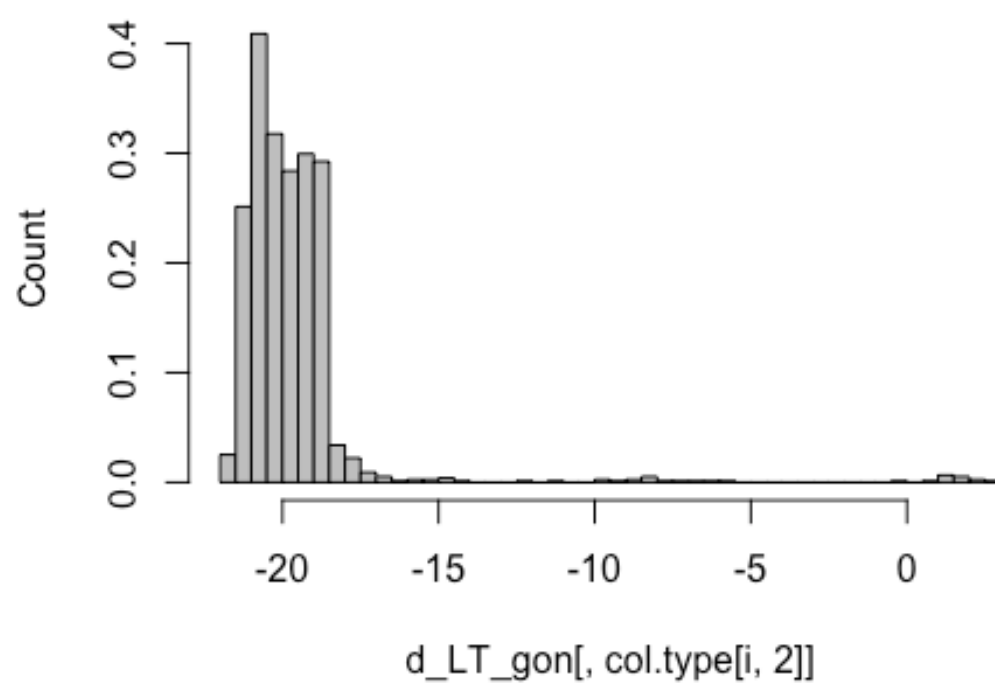
Histogram for LT Gondola X111



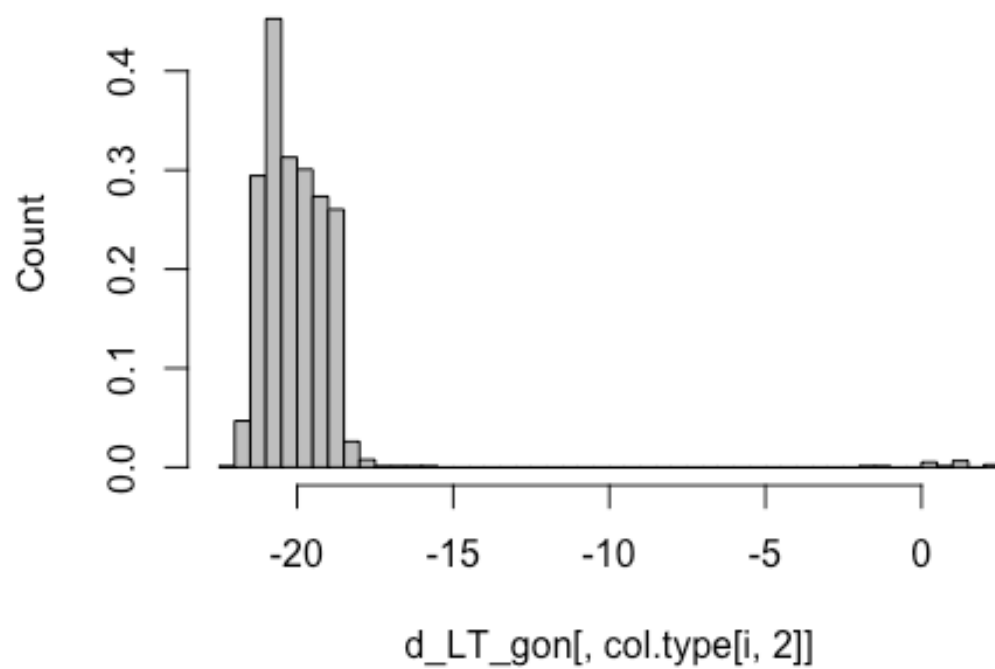
Histogram for LT Gondola X112



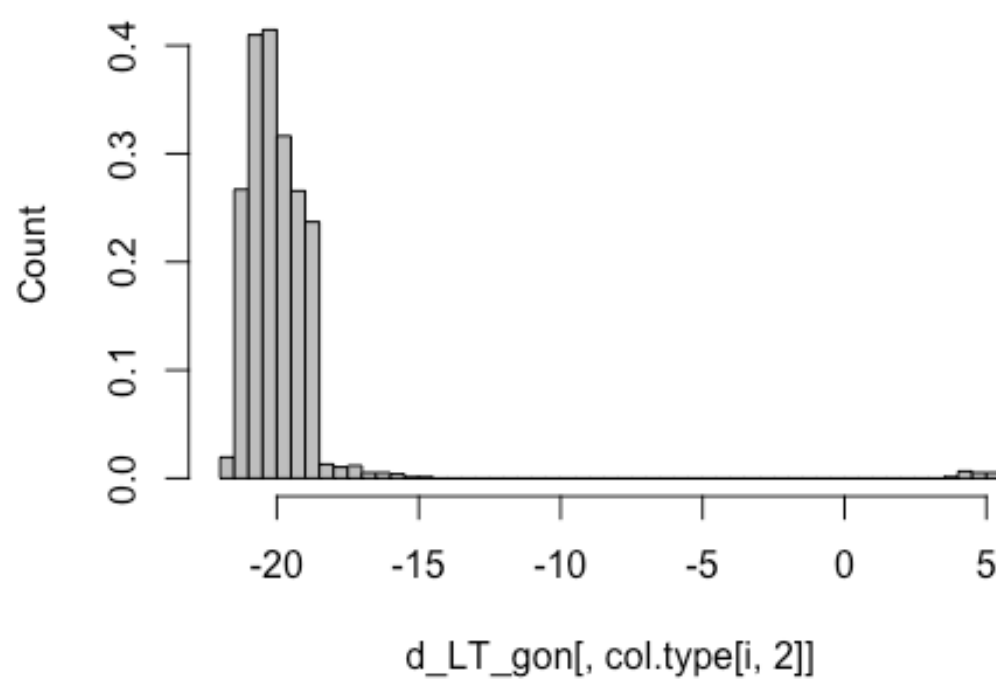
Histogram for LT Gondola X113



Histogram for LT Gondola X114



Histogram for LT Gondola X115



Histograms for refrigeration gondolas

```
d_MT_gon = read.table(url('https://raw.githubusercontent.com/EmBro/MasterThesis/master/Data/Bilka_Temperature/Cool_Displays_50-65.csv'),
                        sep = ',', dec = '.', header = T)

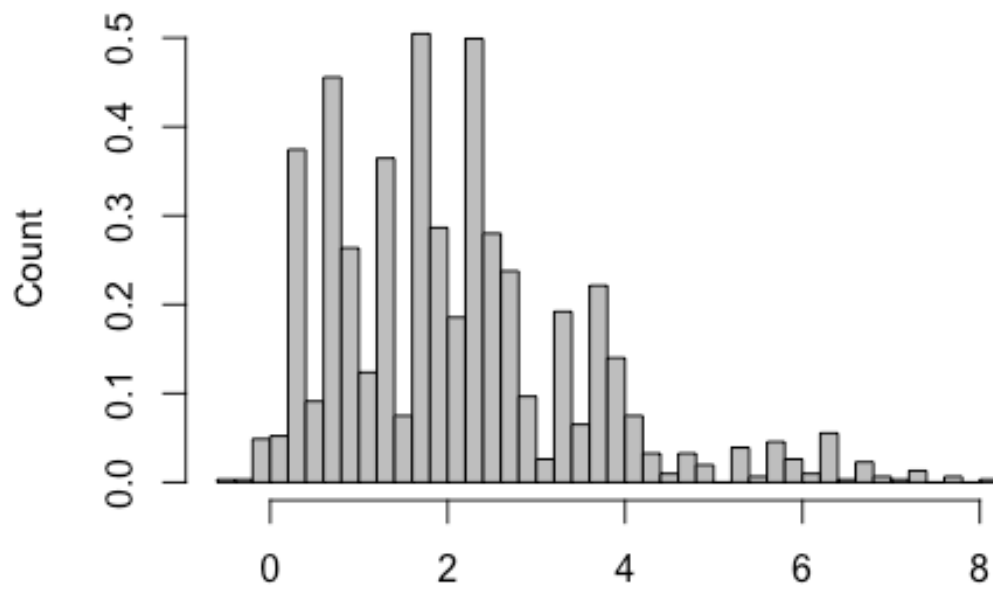
col.type <- data.frame("varType"=sapply(d_MT_gon, function (x) class(x)))
col.type$varName <- rownames(col.type)

rownames(col.type) <- NULL

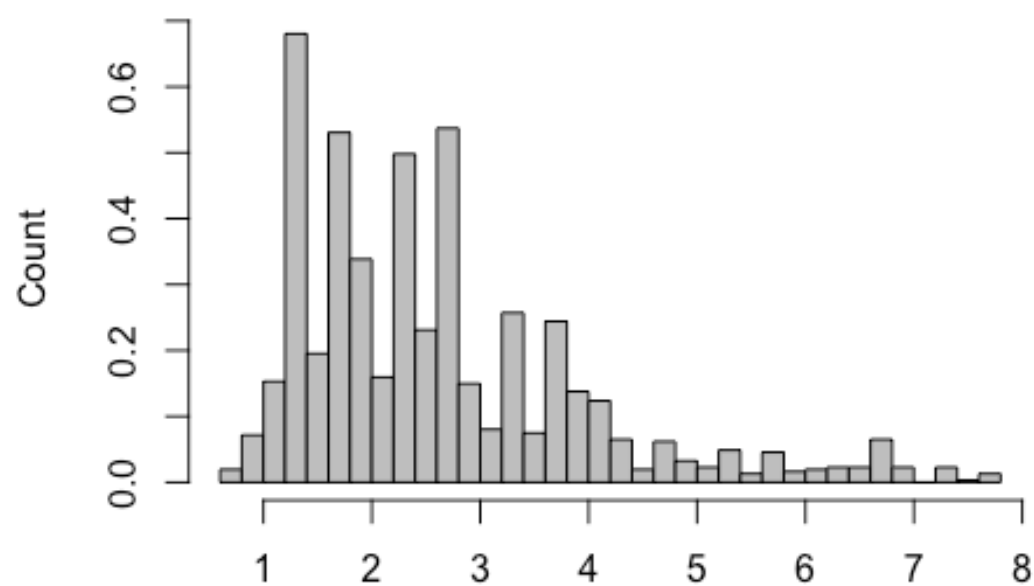
nCol <- nrow(col.type)
for(i in 1:nCol){
  if(col.type[i,1]=="numeric"){

    hist(d_MT_gon[,col.type[i,2]],
          breaks=noBreaks,
          probability = T,
          main=paste(" Histogram for MT Gondola ",col.type[i,2],sep=""),
          ylab="Count",
          xlab = '',
          col="grey"
    )
  }
}
```

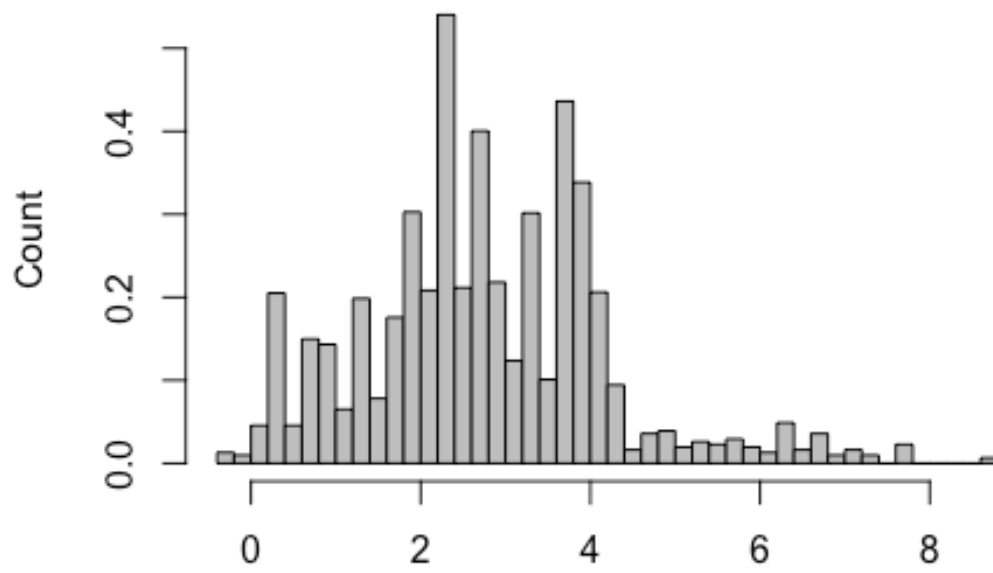
Histogram for MT Gondola X050



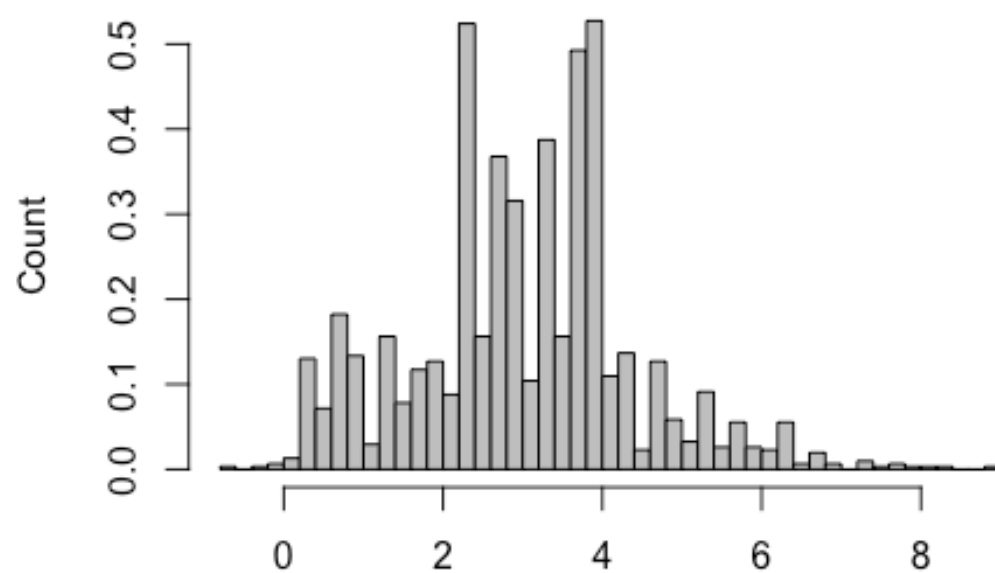
Histogram for MT Gondola X051



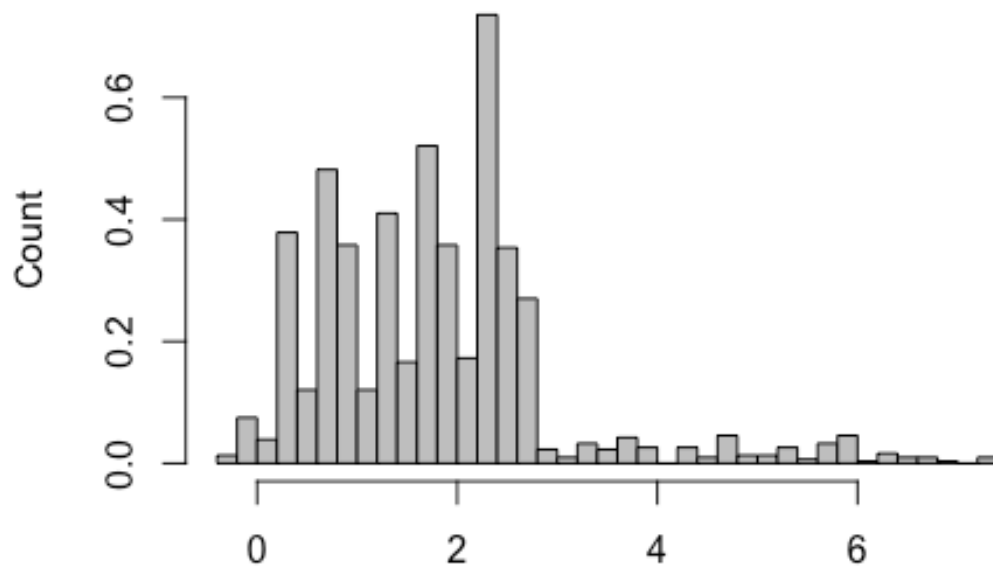
Histogram for MT Gondola X052



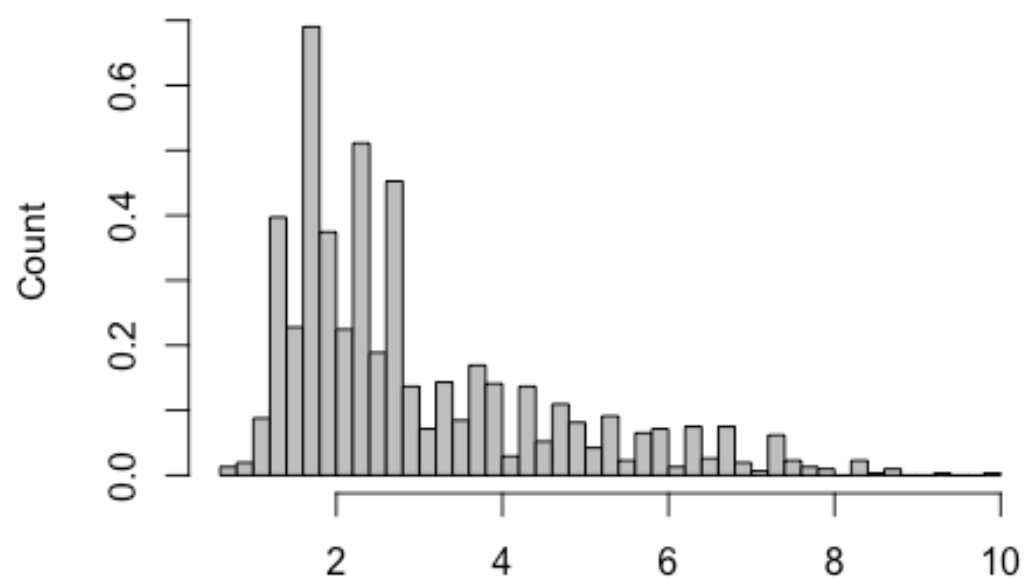
Histogram for MT Gondola X053



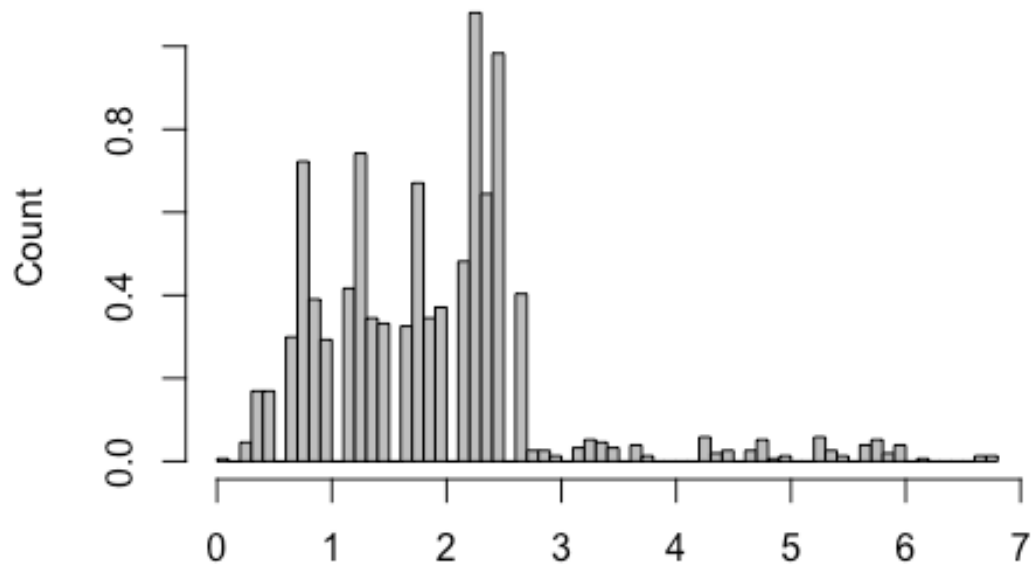
Histogram for MT Gondola X054



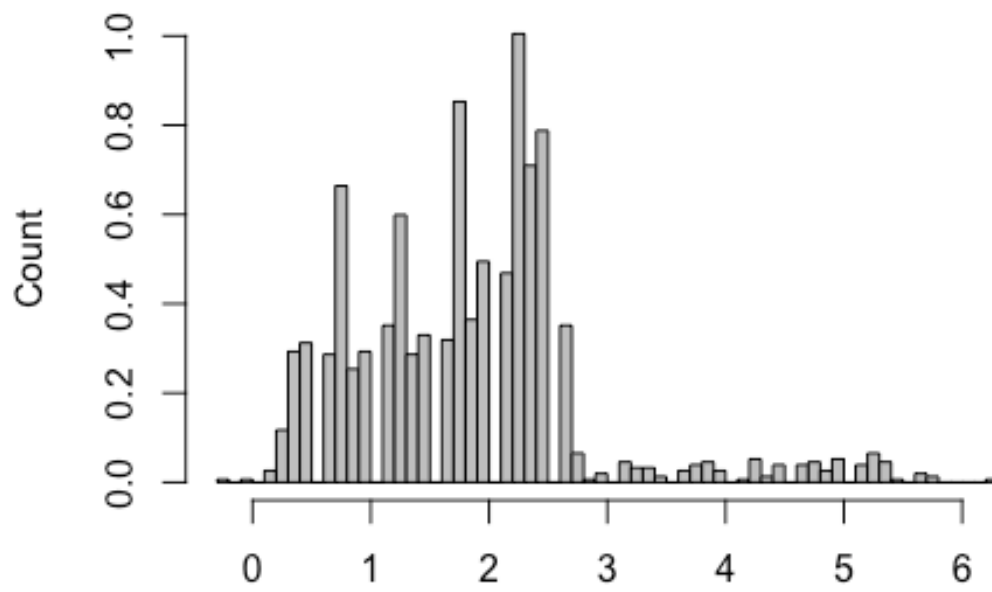
Histogram for MT Gondola X055



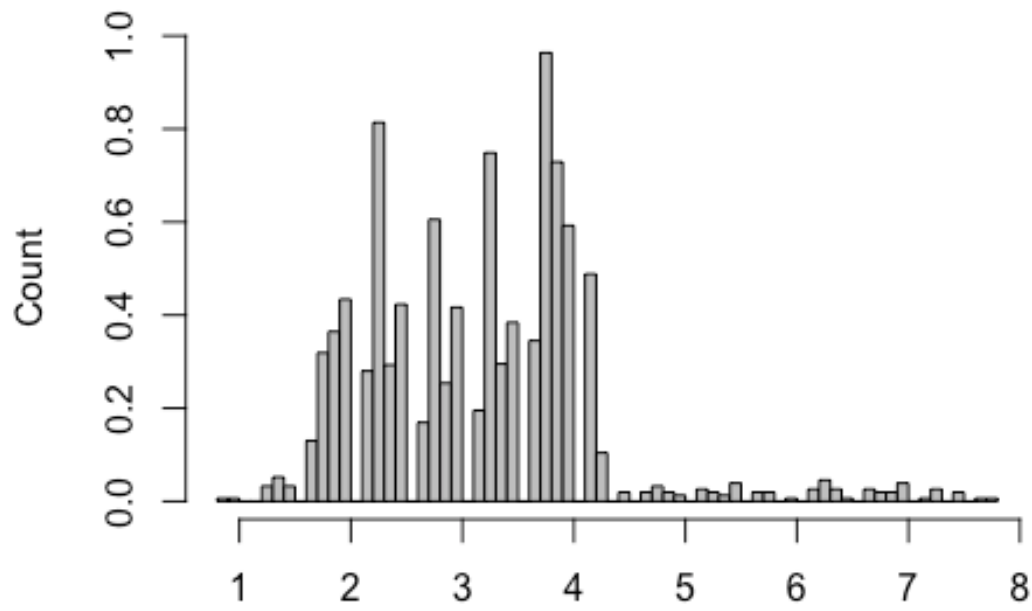
Histogram for MT Gondola X056



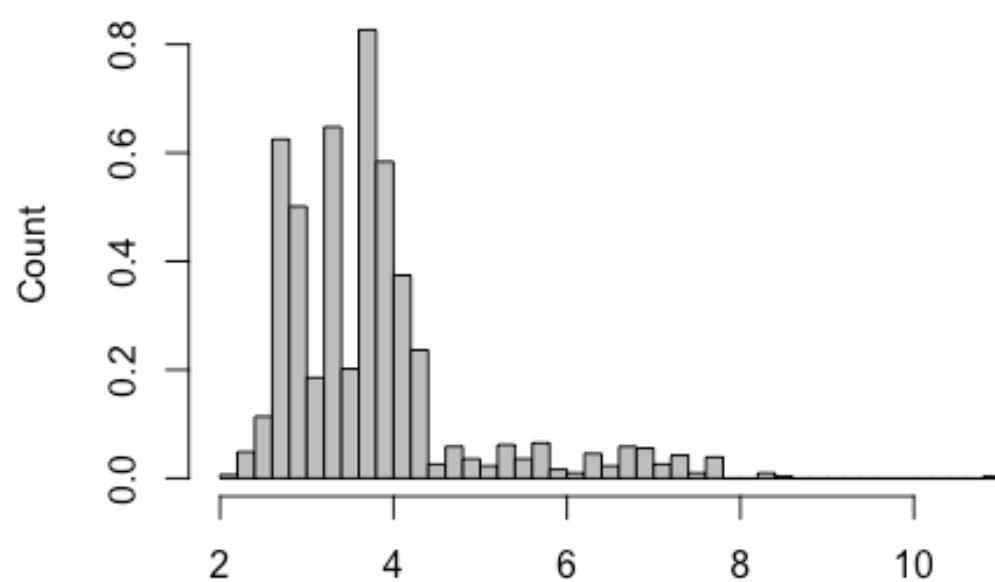
Histogram for MT Gondola X057



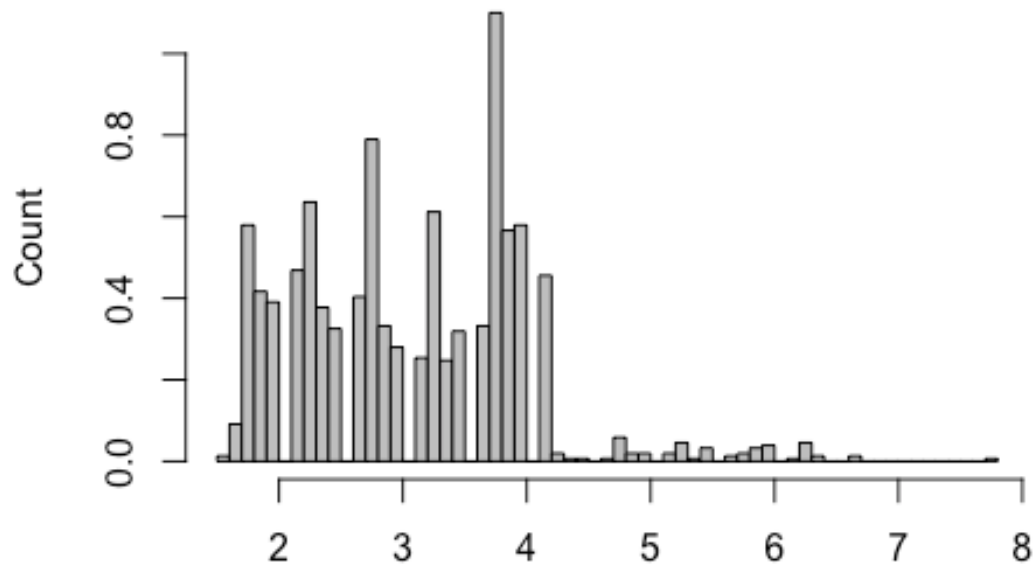
Histogram for MT Gondola X058



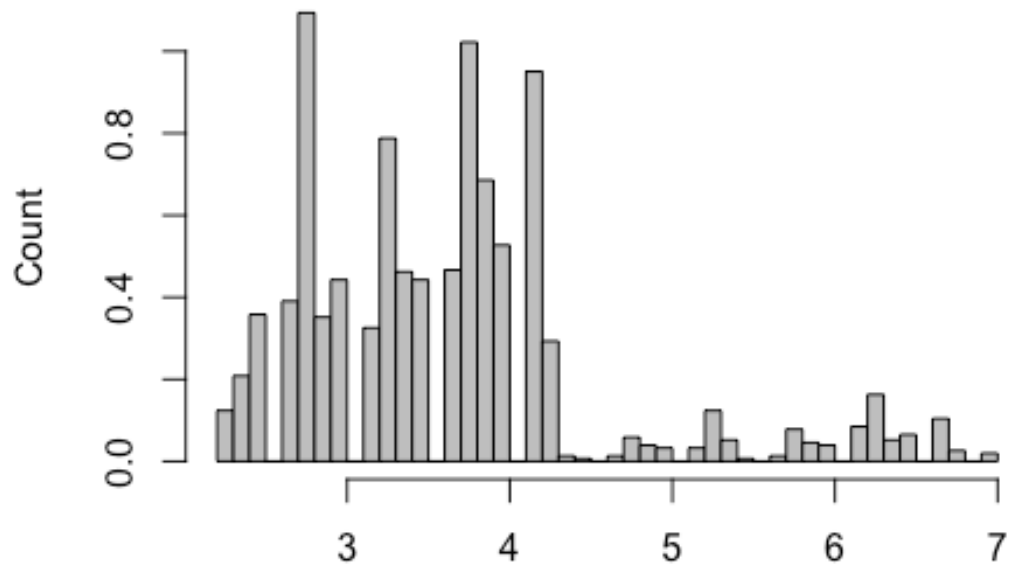
Histogram for MT Gondola X059



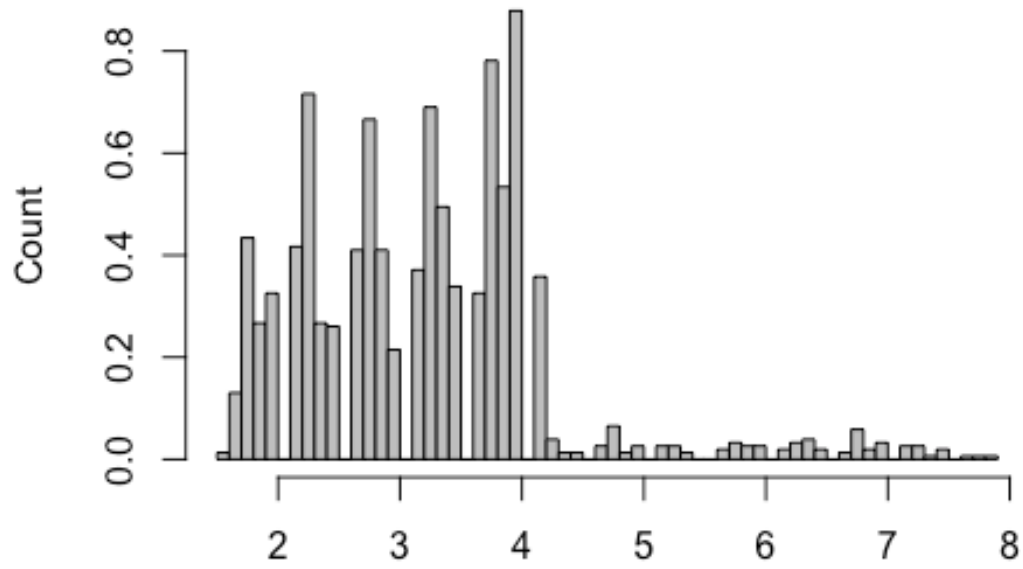
Histogram for MT Gondola X060



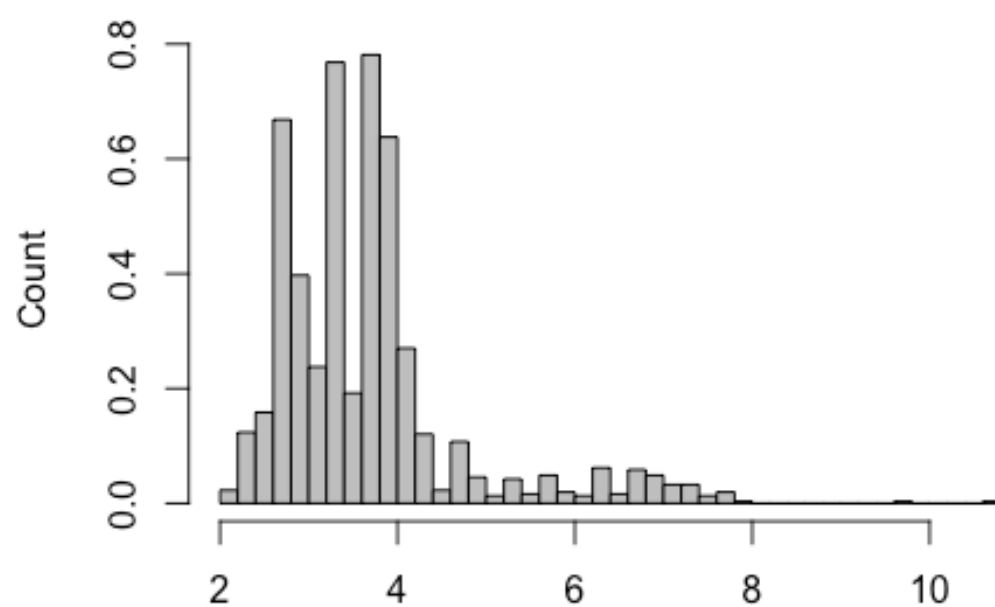
Histogram for MT Gondola X061



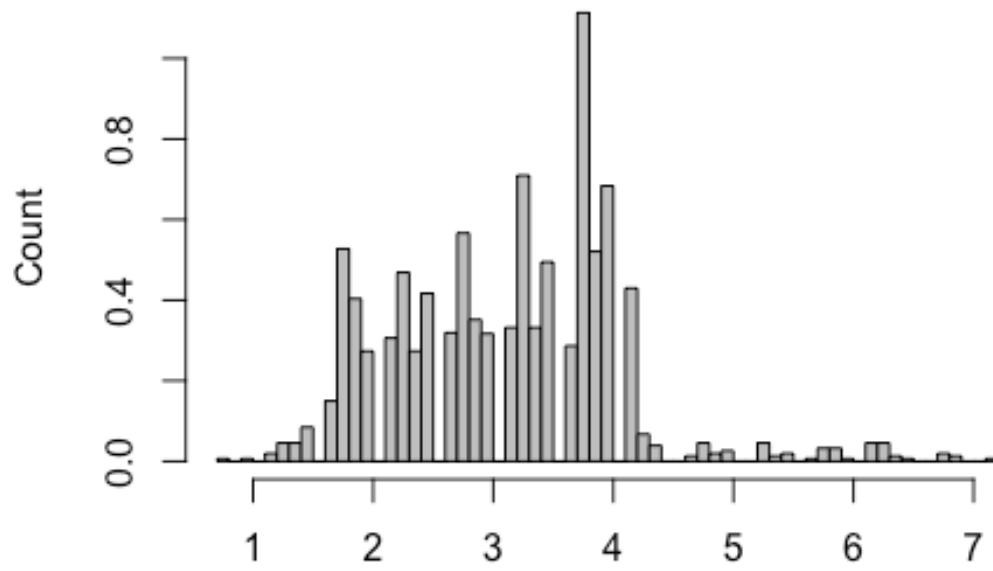
Histogram for MT Gondola X062



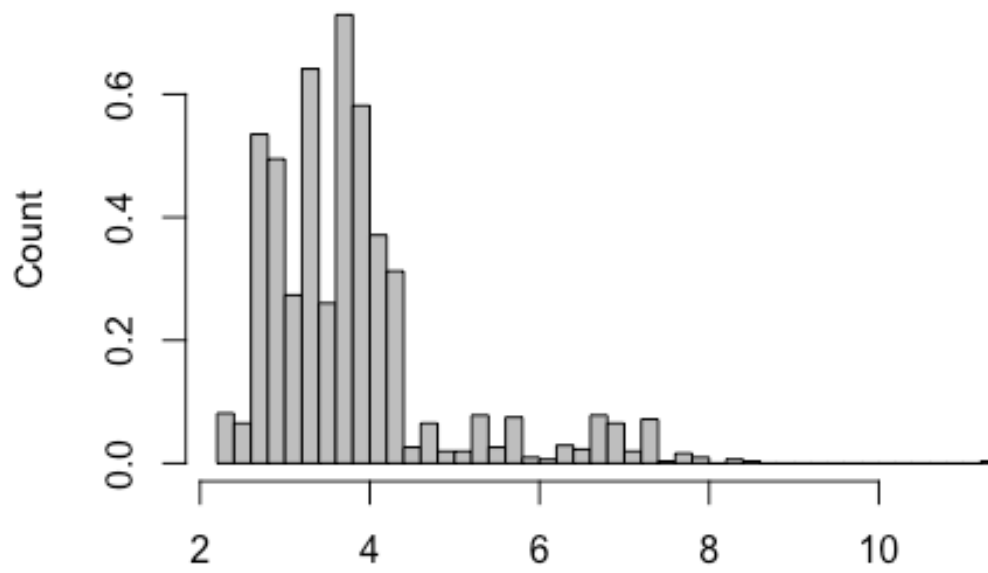
Histogram for MT Gondola X063



Histogram for MT Gondola X064



Histogram for MT Gondola X065



Histograms for End displays

```
d_end_gon = read.table(url('https://raw.githubusercontent.com/EmBro/MasterThesis/master/Data/Bilka_Temperature/End_Displays_130-161.csv'),
                        sep = ',', dec = '.', header = T)

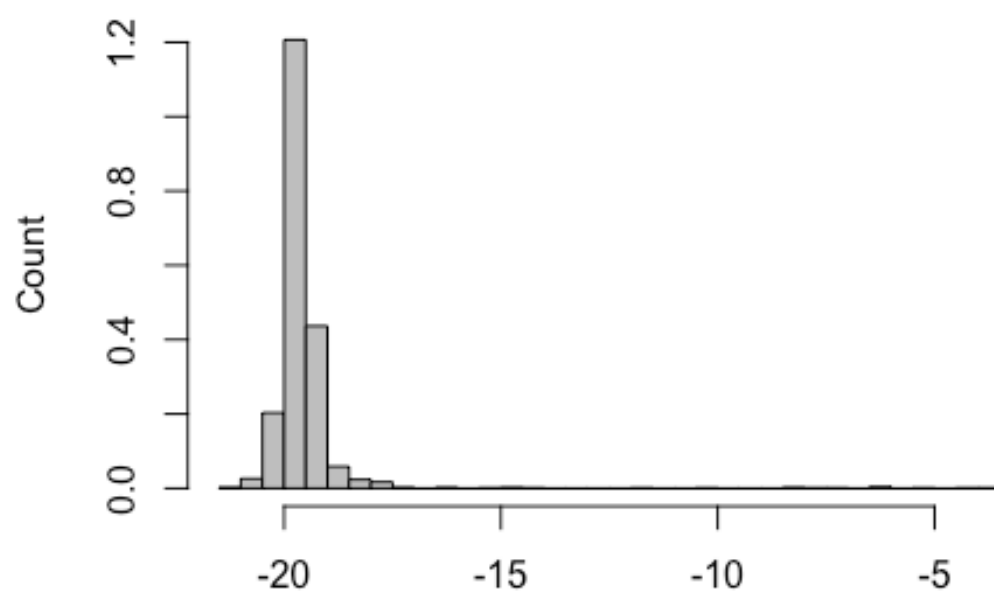
col.type <- data.frame("varType"=sapply(d_end_gon, function (x) class(x)))
col.type$varName <- rownames(col.type)

rownames(col.type) <- NULL

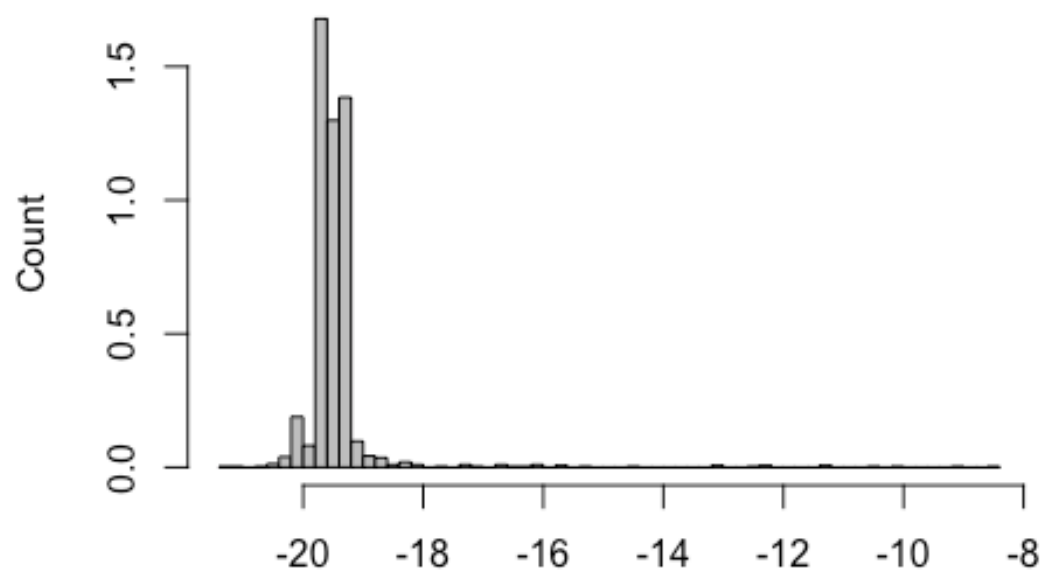
nCol <- nrow(col.type)
for(i in 1:nCol){
  if(col.type[i,1]=="numeric"){

    hist(d_end_gon[,col.type[i,2]],
          breaks=noBreaks,
          probability = T,
          main=paste(" Histogram for LT or MT End-Gondola ",col.type[i,2],sep=""),
          ylab="Count",
          xlab = '',
          col="grey"
    )
  }
}
```

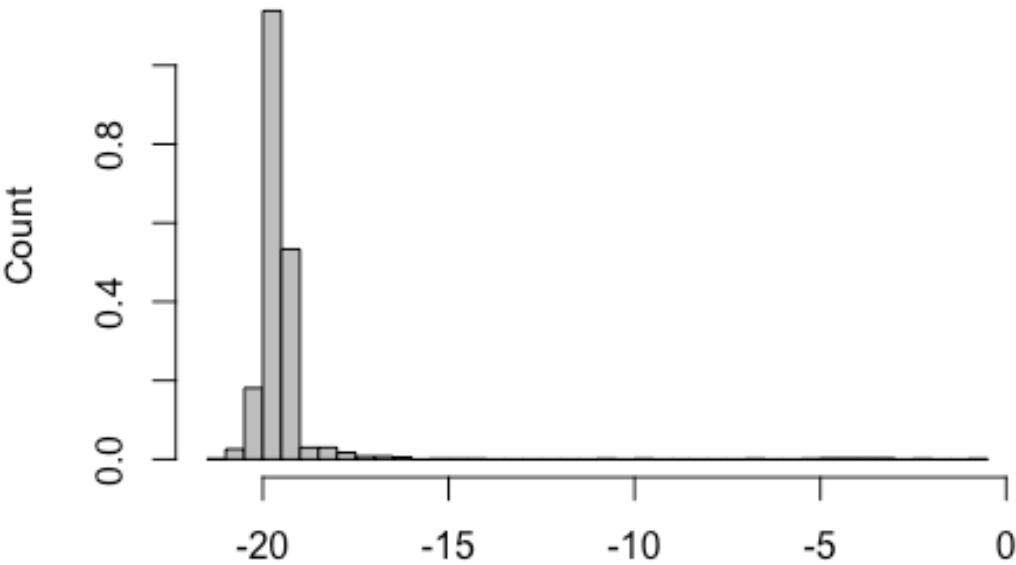
Histogram for LT or MT End-Gondola X130



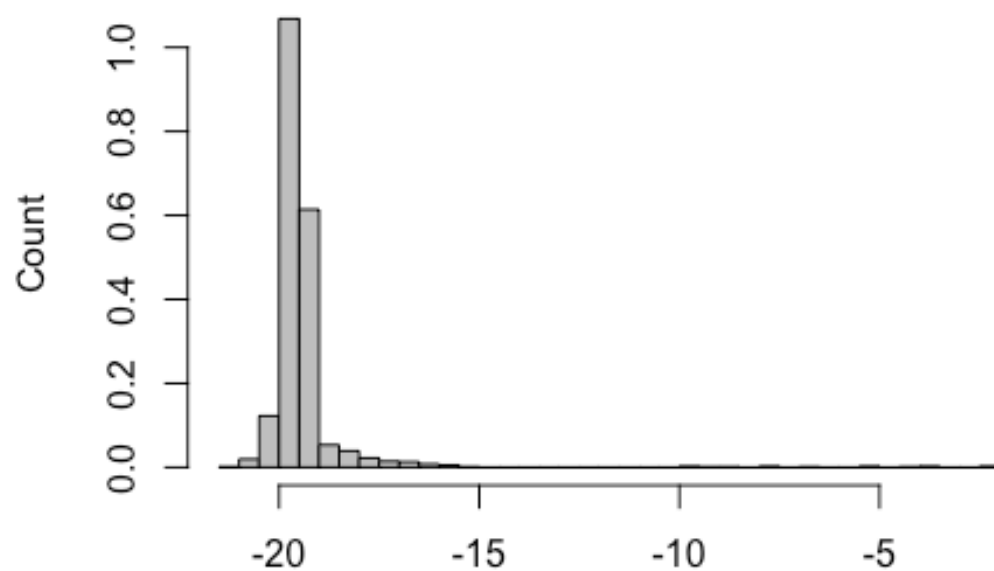
Histogram for LT or MT End-Gondola X131



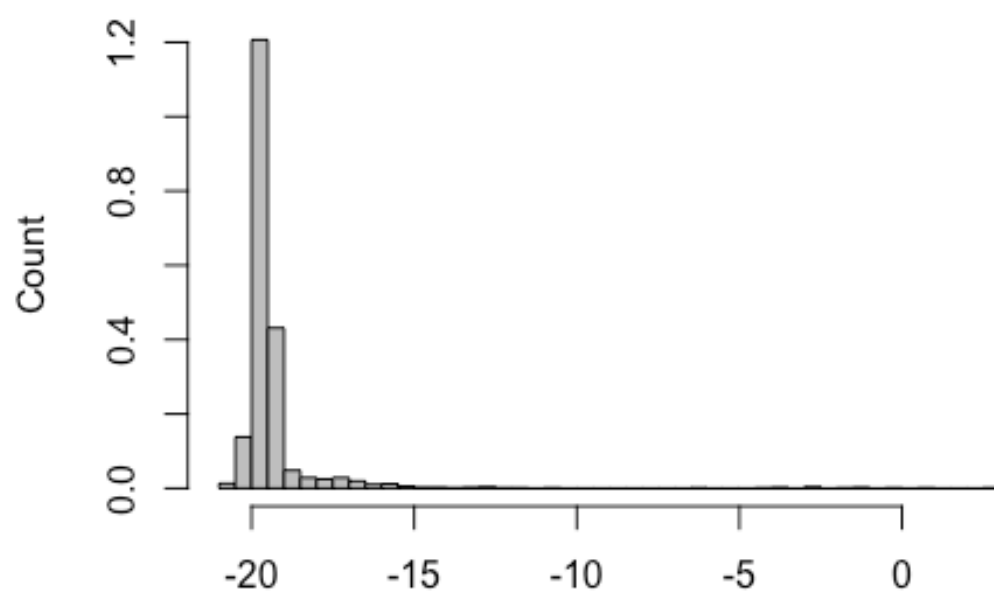
Histogram for LT or MT End-Gondola X132



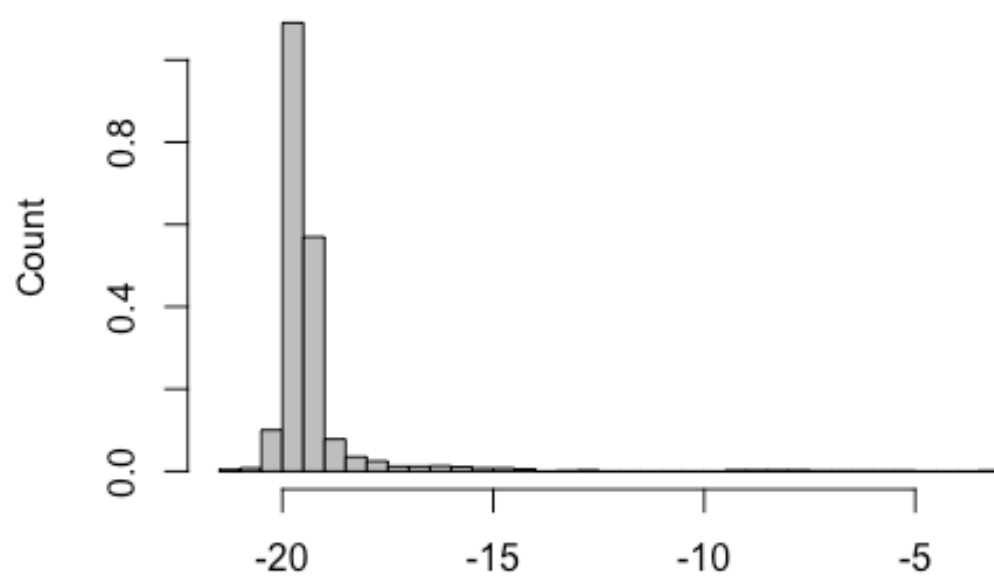
Histogram for LT or MT End-Gondola X133



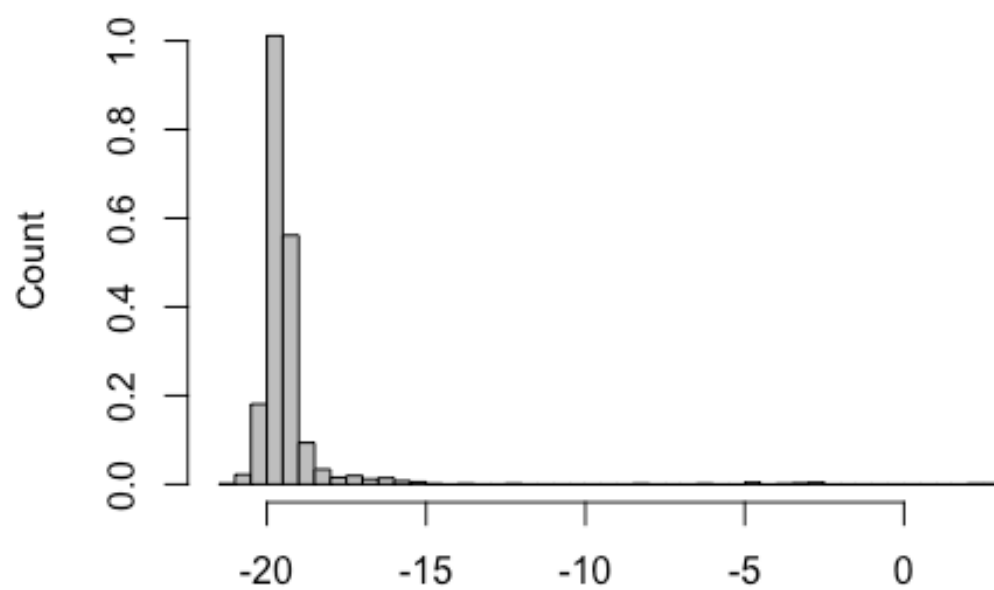
Histogram for LT or MT End-Gondola X134



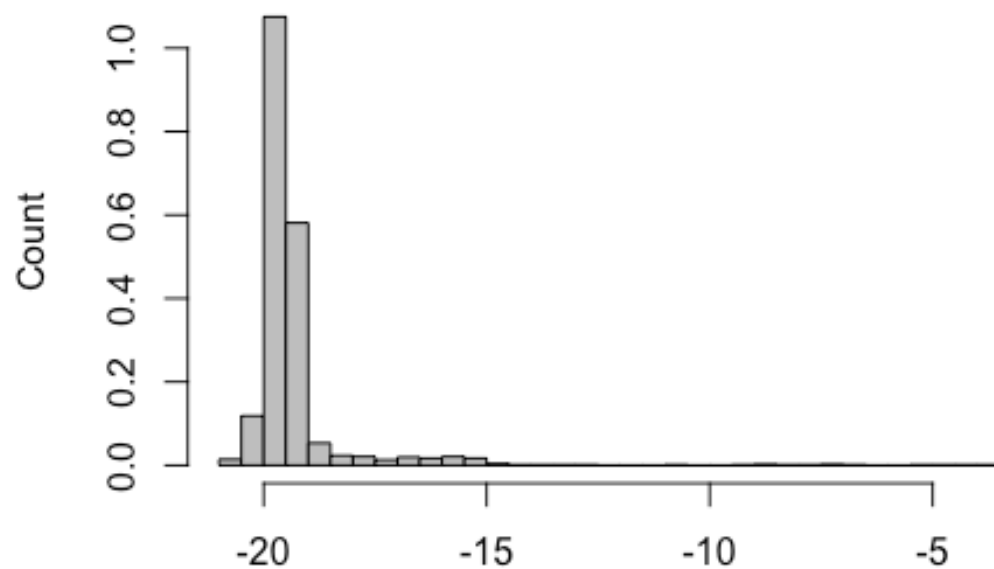
Histogram for LT or MT End-Gondola X135



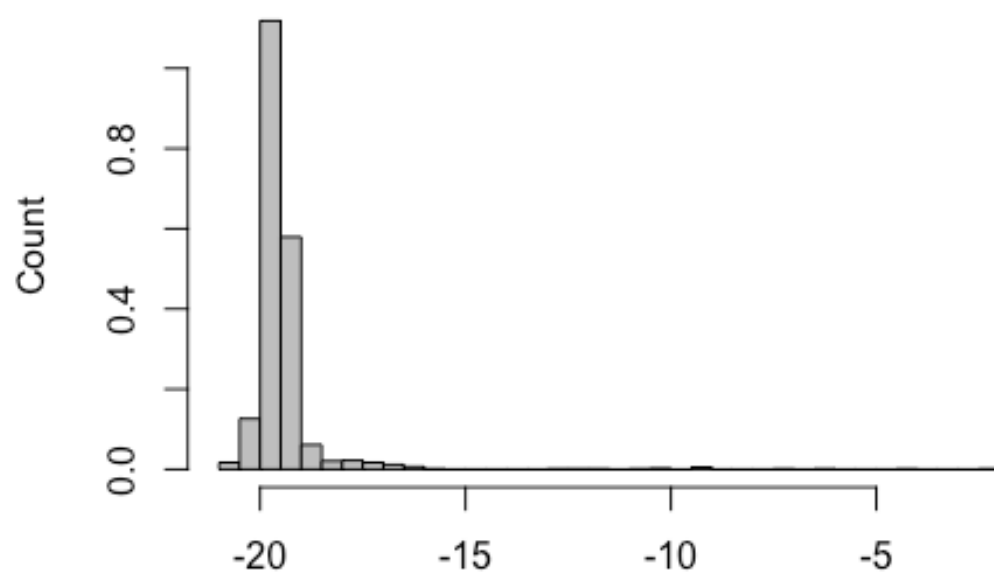
Histogram for LT or MT End-Gondola X136



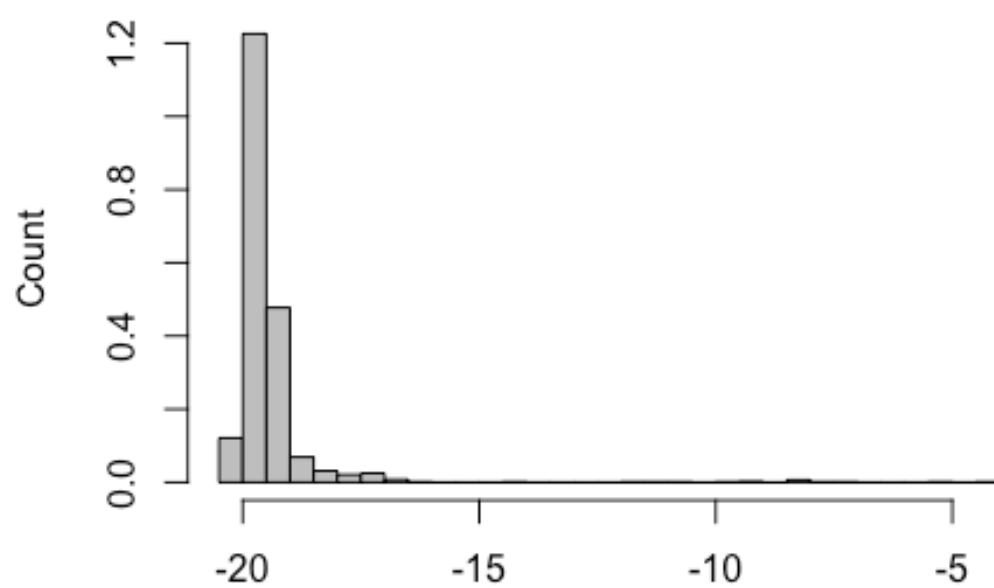
Histogram for LT or MT End-Gondola X137



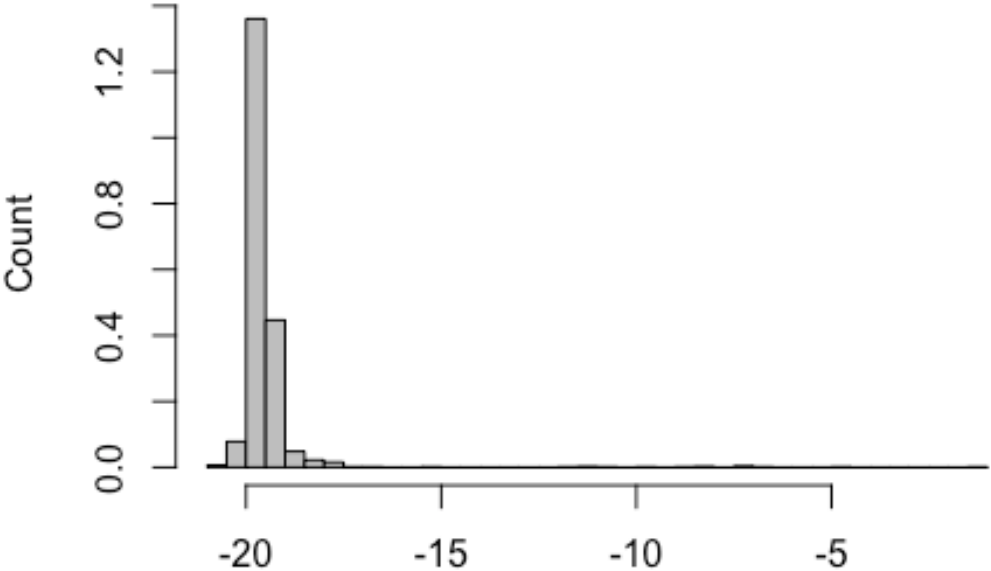
Histogram for LT or MT End-Gondola X138



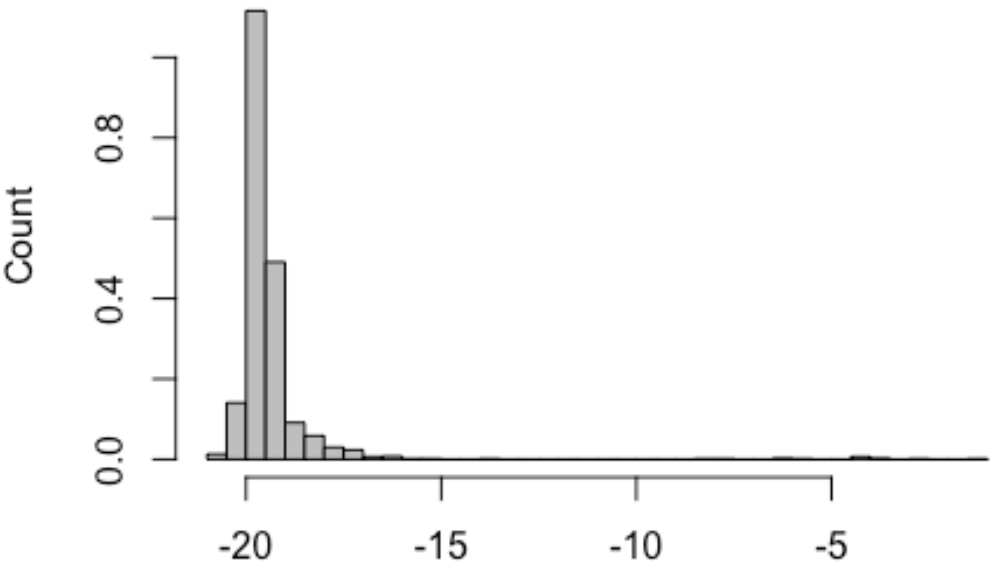
Histogram for LT or MT End-Gondola X139



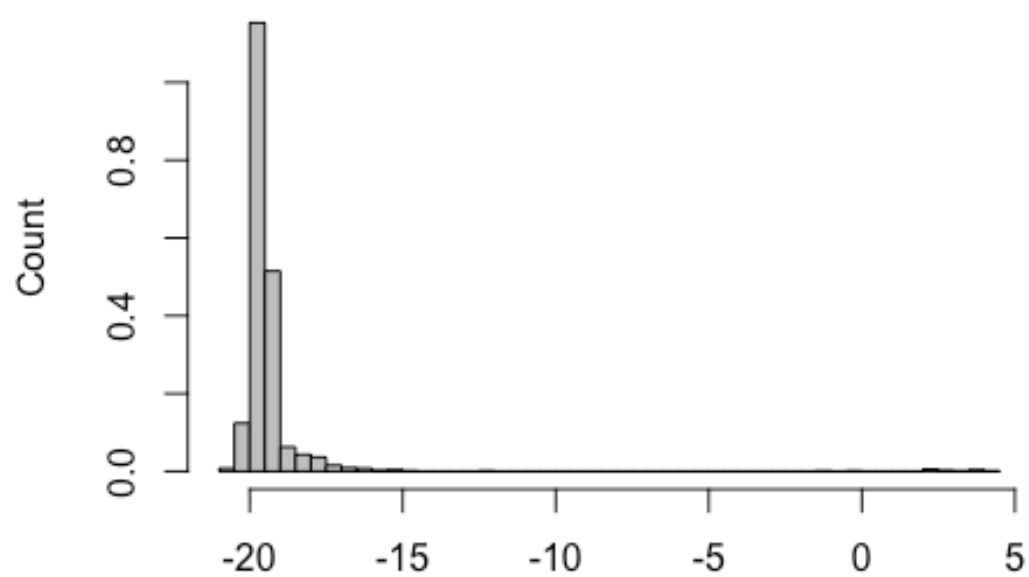
Histogram for LT or MT End-Gondola X140



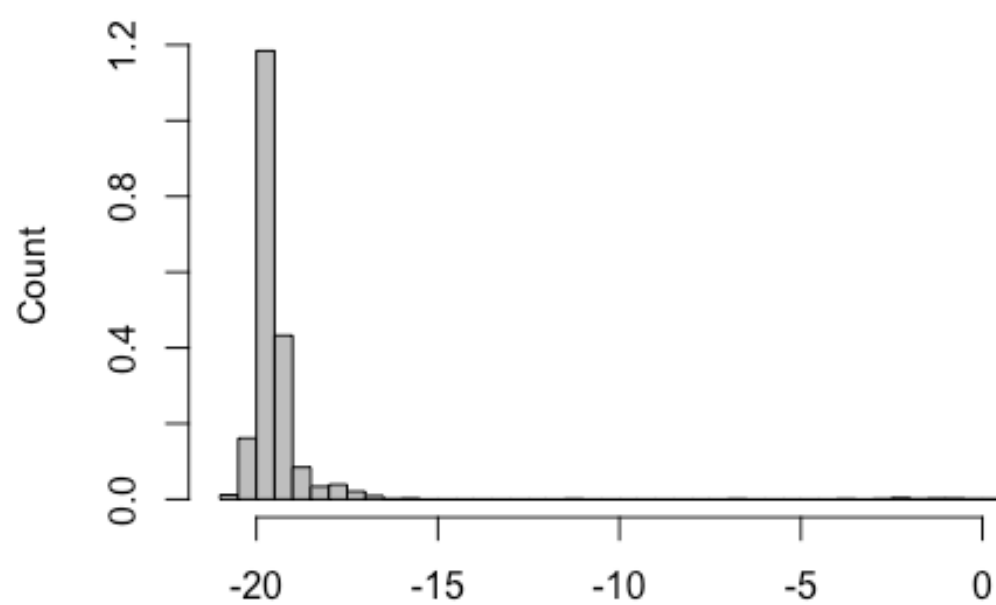
Histogram for LT or MT End-Gondola X141



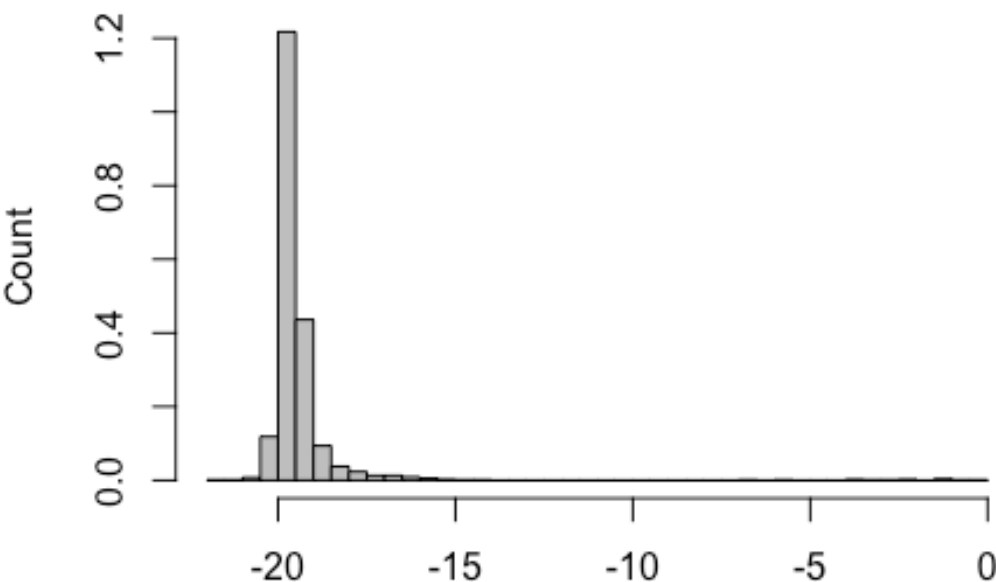
Histogram for LT or MT End-Gondola X142



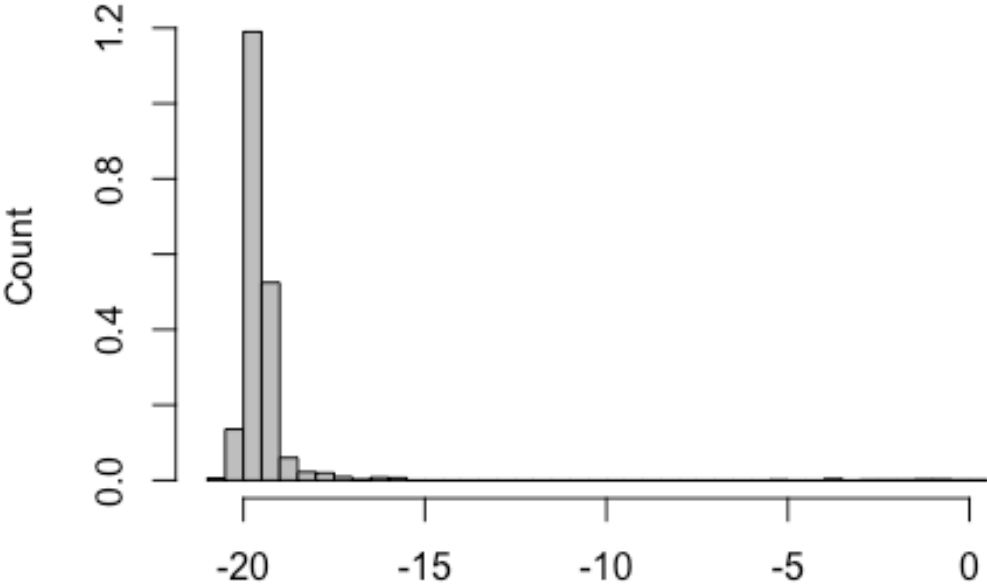
Histogram for LT or MT End-Gondola X143



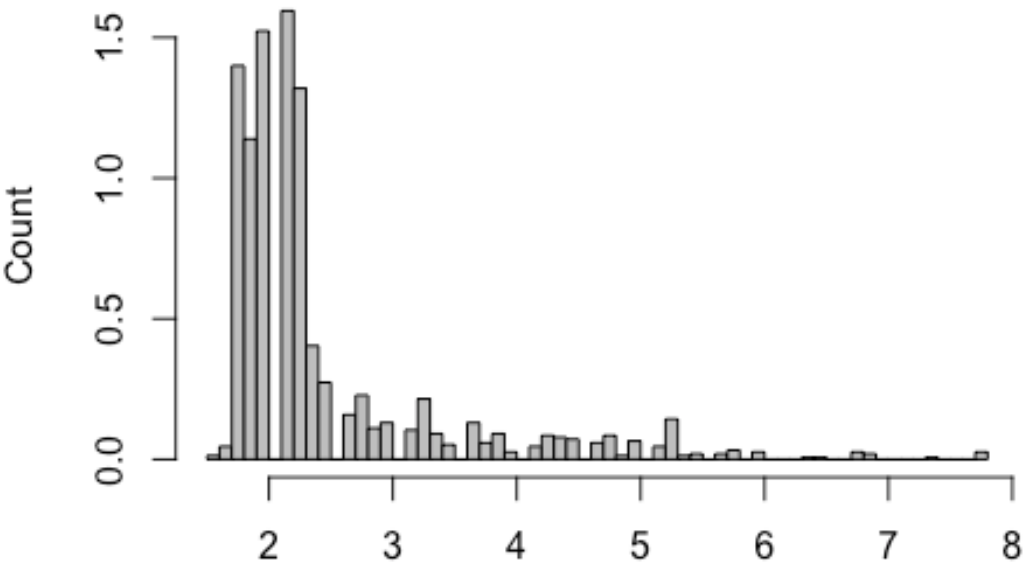
Histogram for LT or MT End-Gondola X144



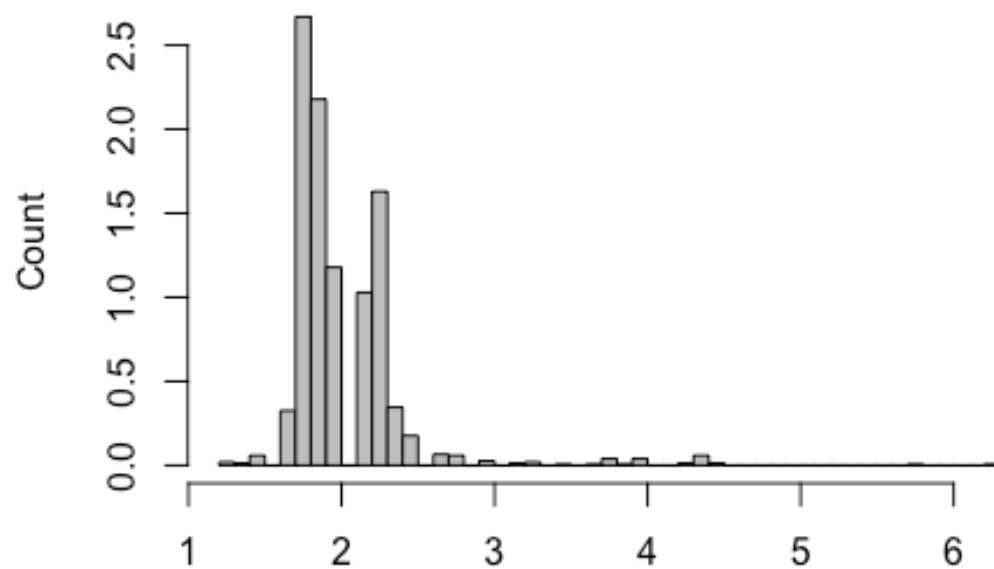
Histogram for LT or MT End-Gondola X145



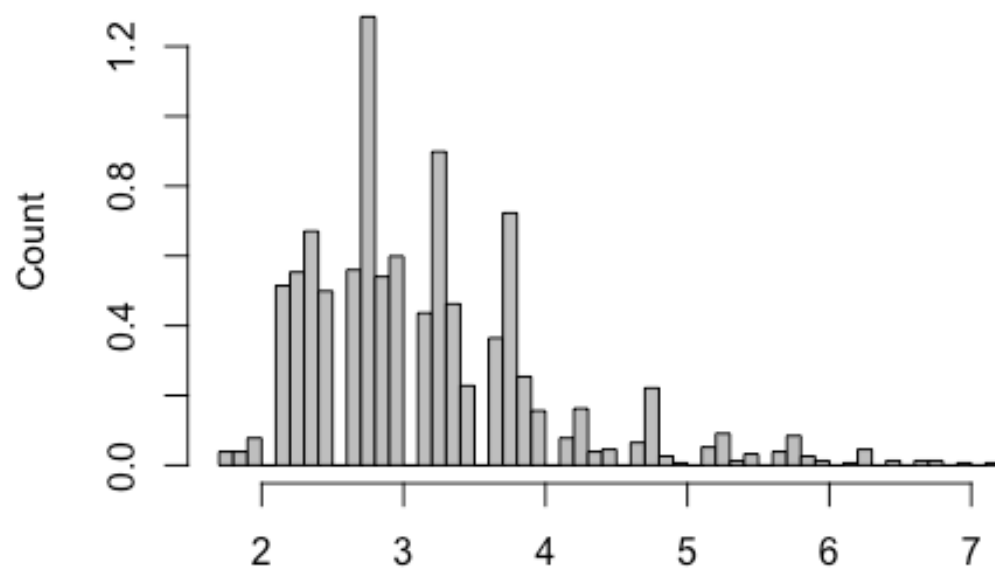
Histogram for LT or MT End-Gondola X146



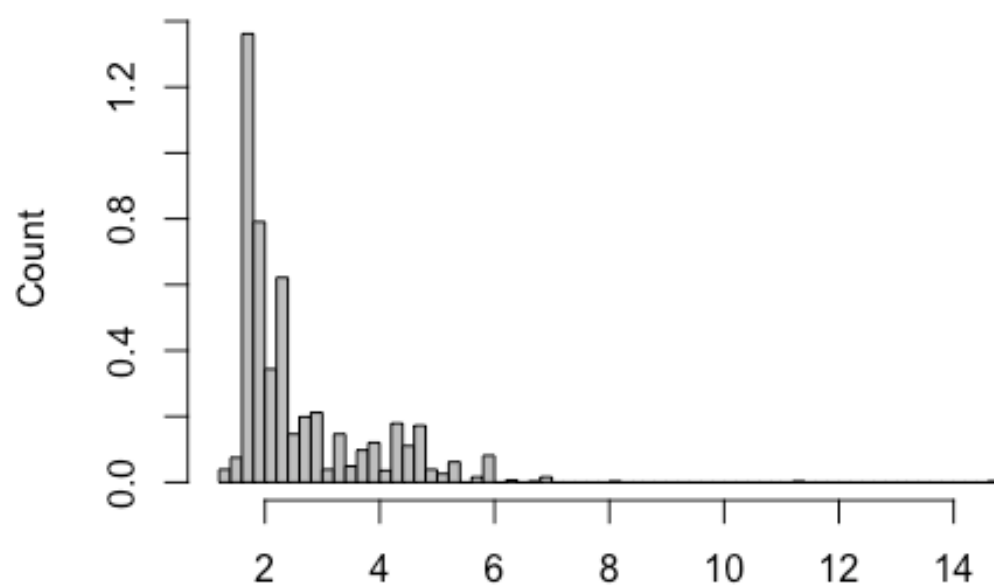
Histogram for LT or MT End-Gondola X147



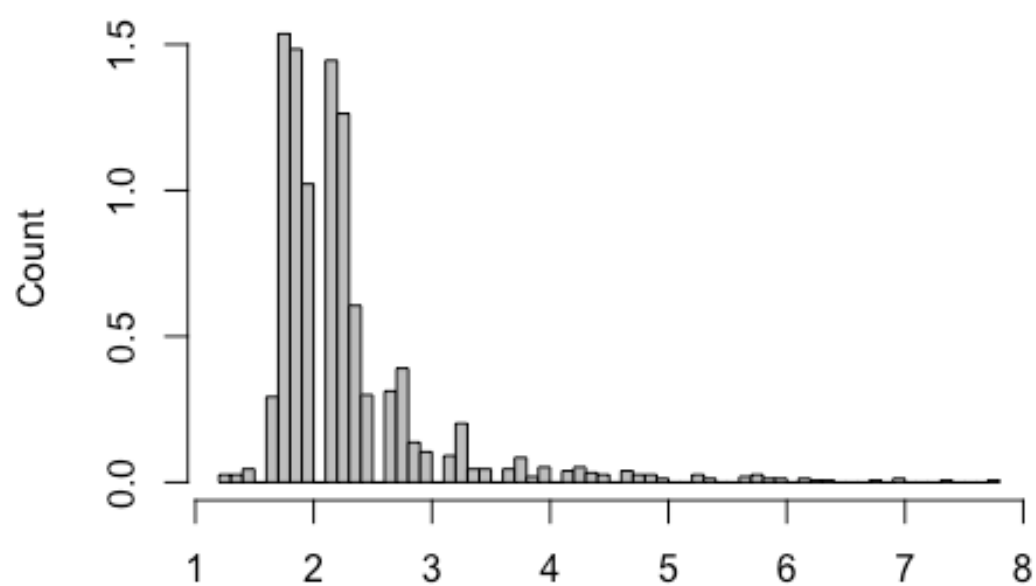
Histogram for LT or MT End-Gondola X148



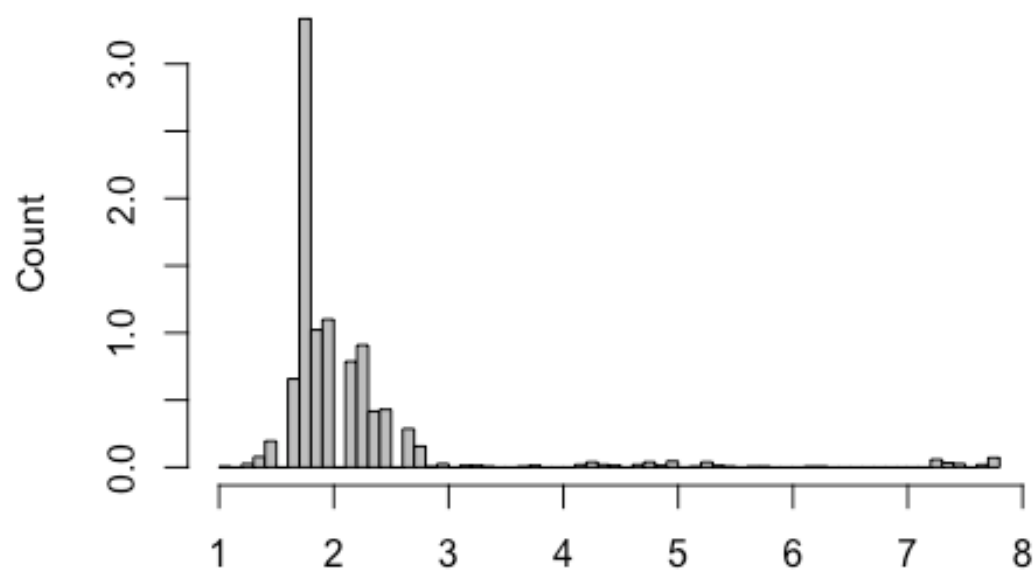
Histogram for LT or MT End-Gondola X149



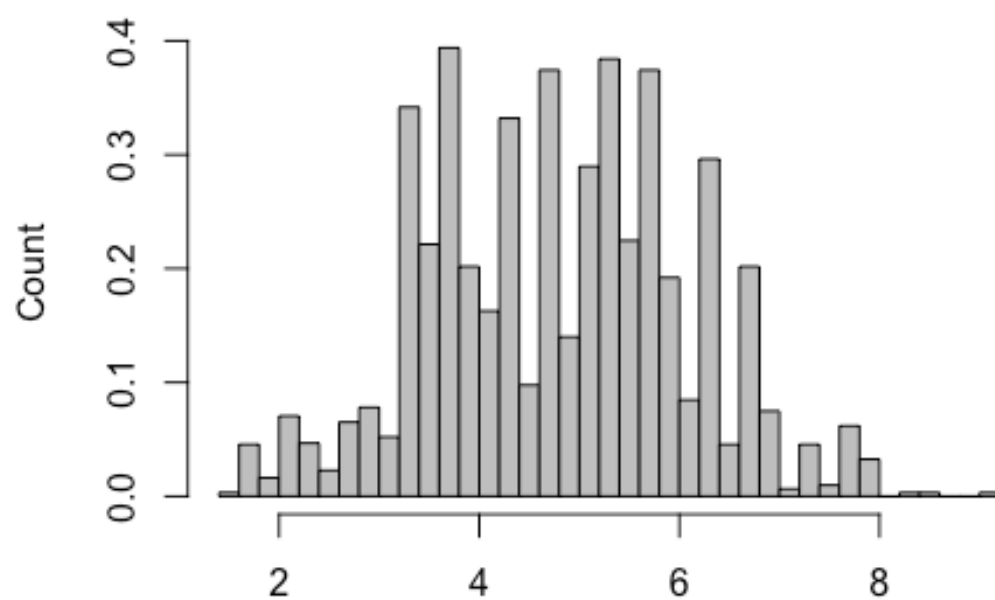
Histogram for LT or MT End-Gondola X150



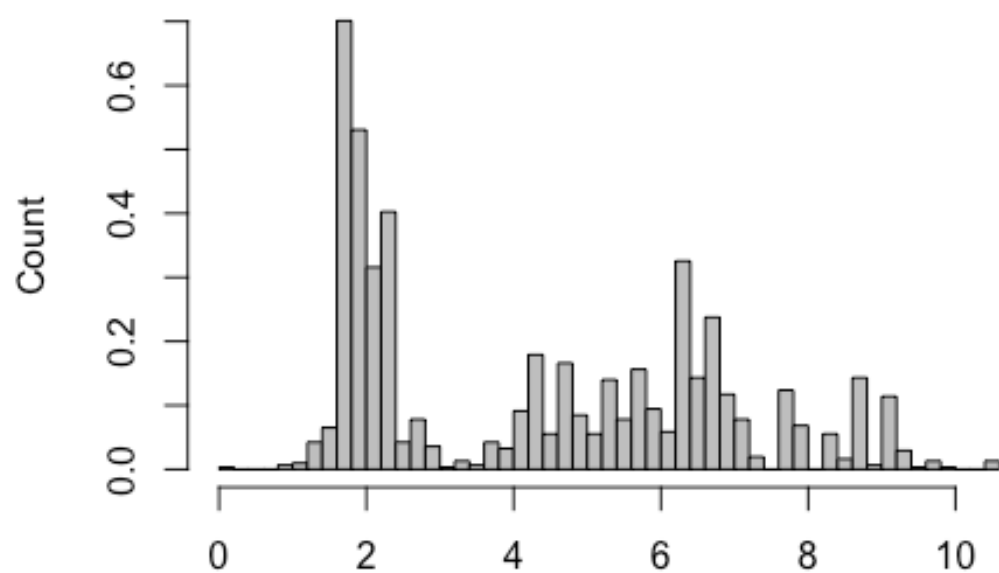
Histogram for LT or MT End-Gondola X151



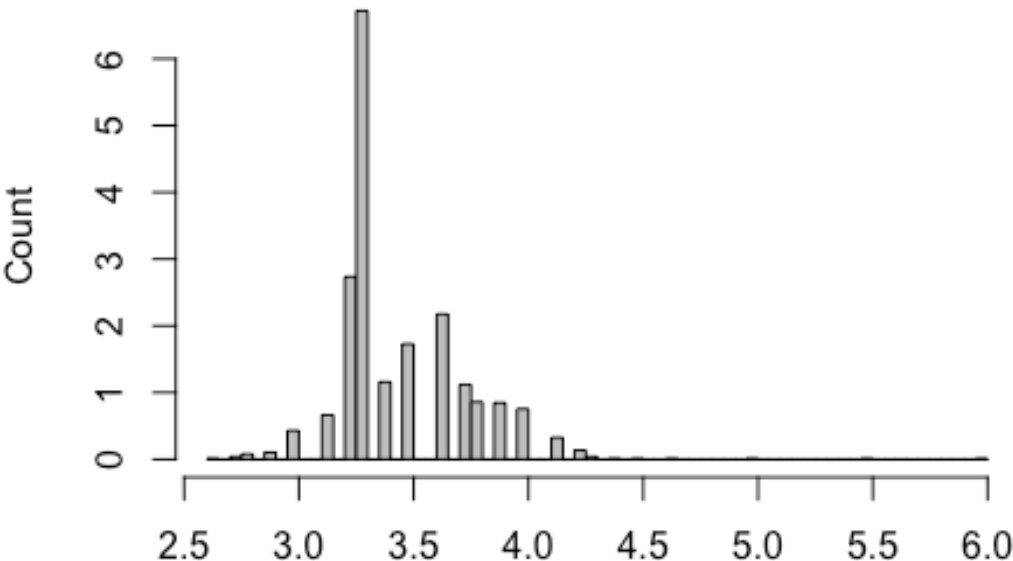
Histogram for LT or MT End-Gondola X152



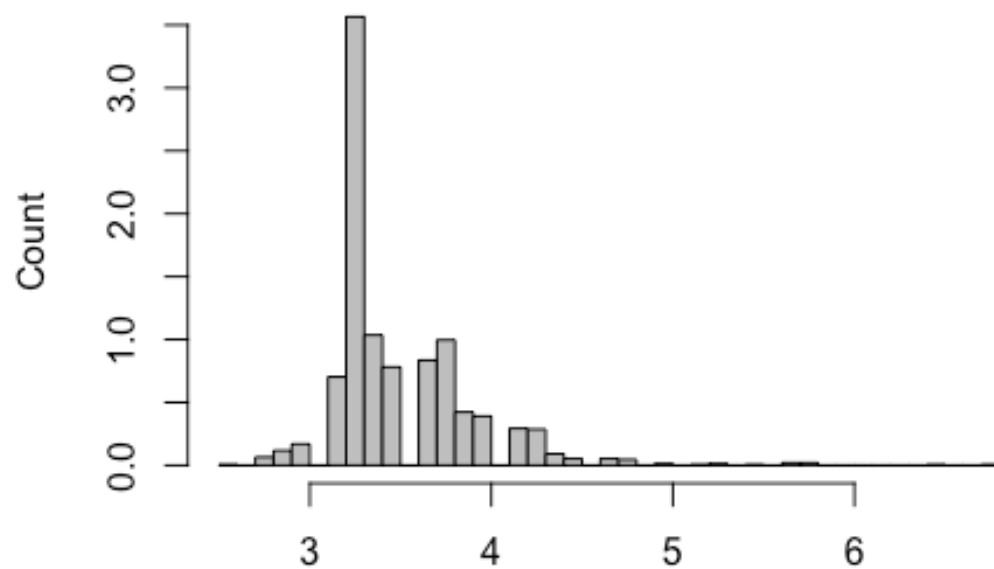
Histogram for LT or MT End-Gondola X153



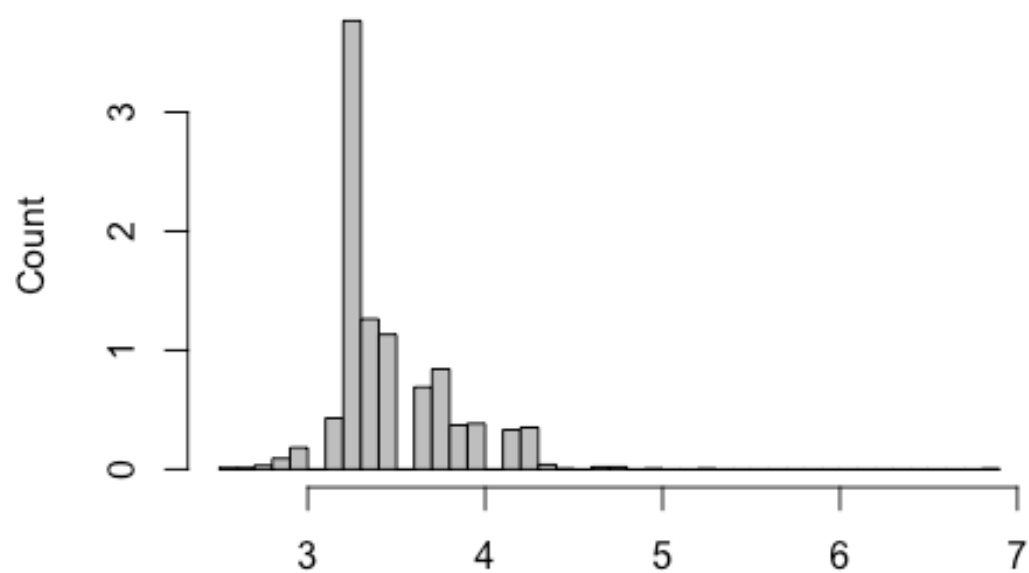
Histogram for LT or MT End-Gondola X154



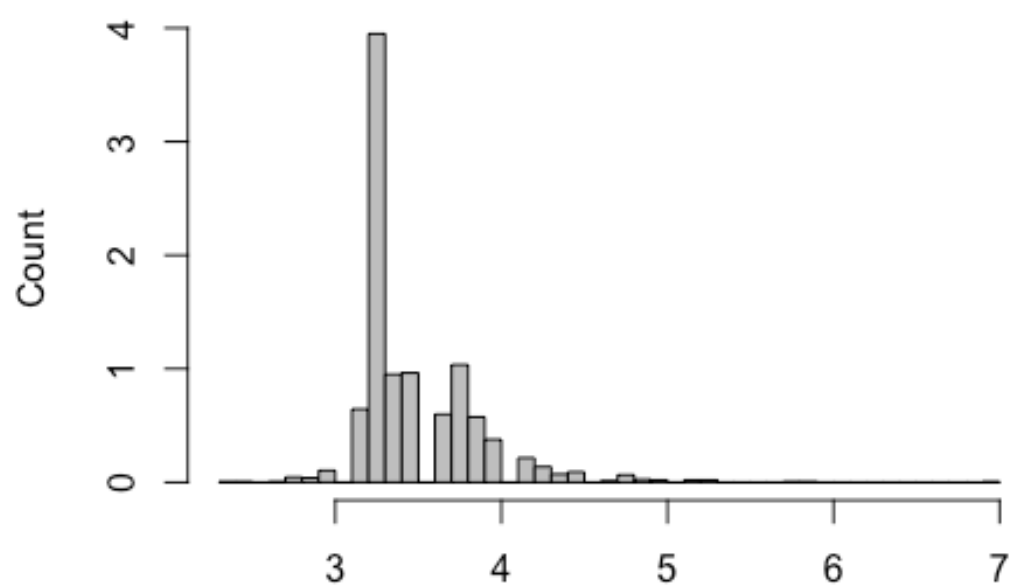
Histogram for LT or MT End-Gondola X155



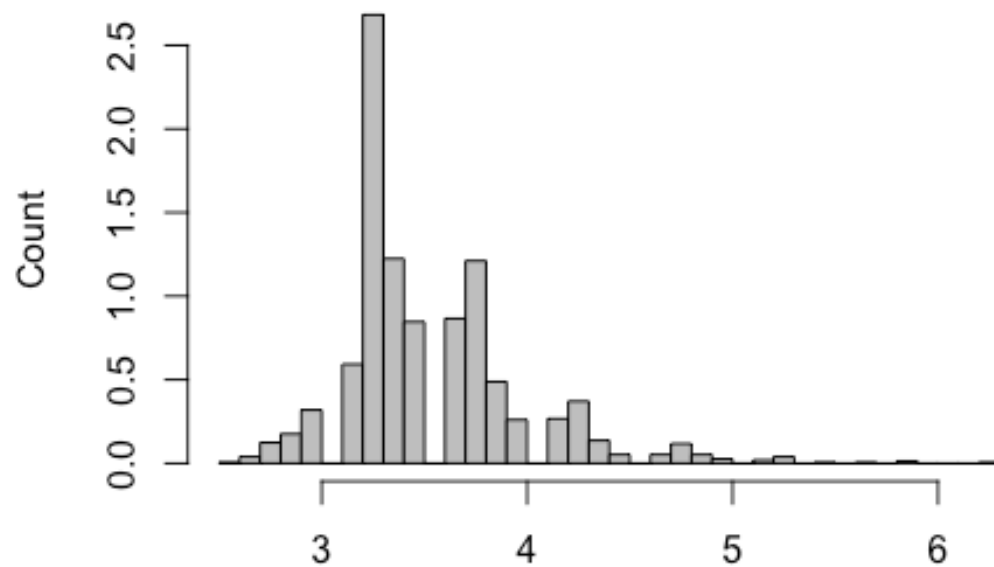
Histogram for LT or MT End-Gondola X156



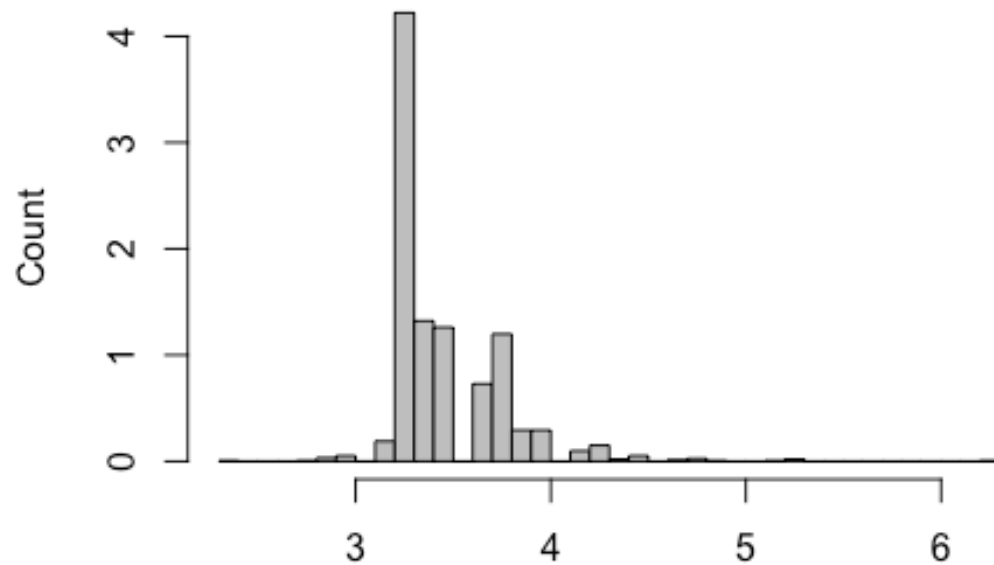
Histogram for LT or MT End-Gondola X157



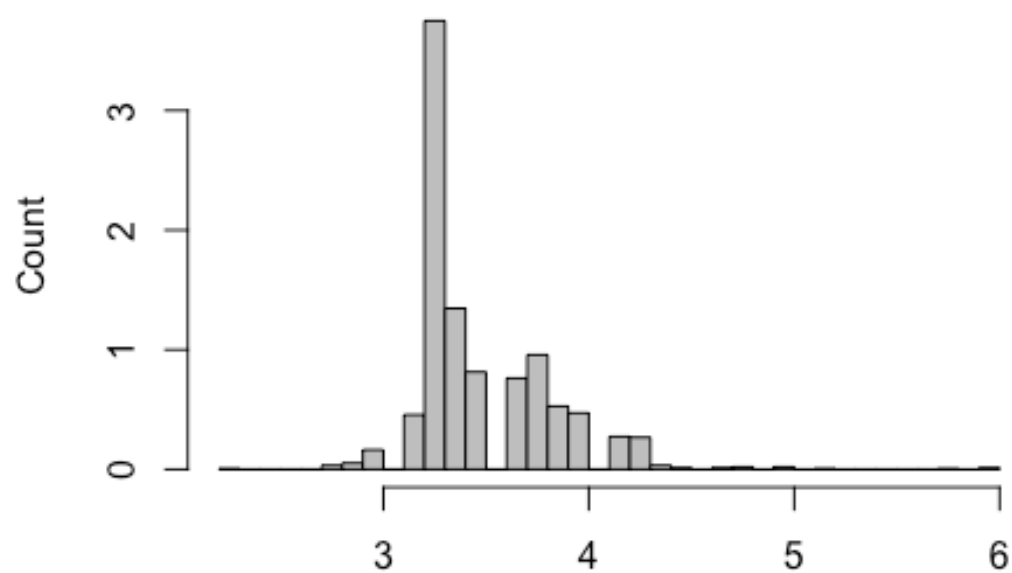
Histogram for LT or MT End-Gondola X158



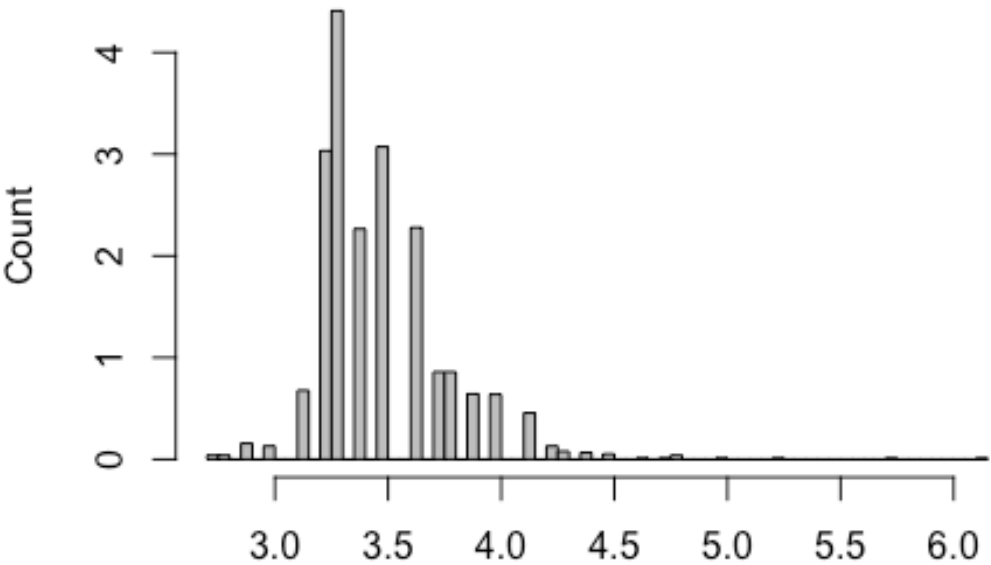
Histogram for LT or MT End-Gondola X159



Histogram for LT or MT End-Gondola X160



Histogram for LT or MT End-Gondola X161



Histograms for wall displays

```
d_Cool_Wall = read.table(url('https://raw.githubusercontent.com/EmBro/MasterThesis/master/Data/Bilka_Temperature/Cool_Walls_70-80.csv'),
                          sep = ',', dec = '.', header = T)

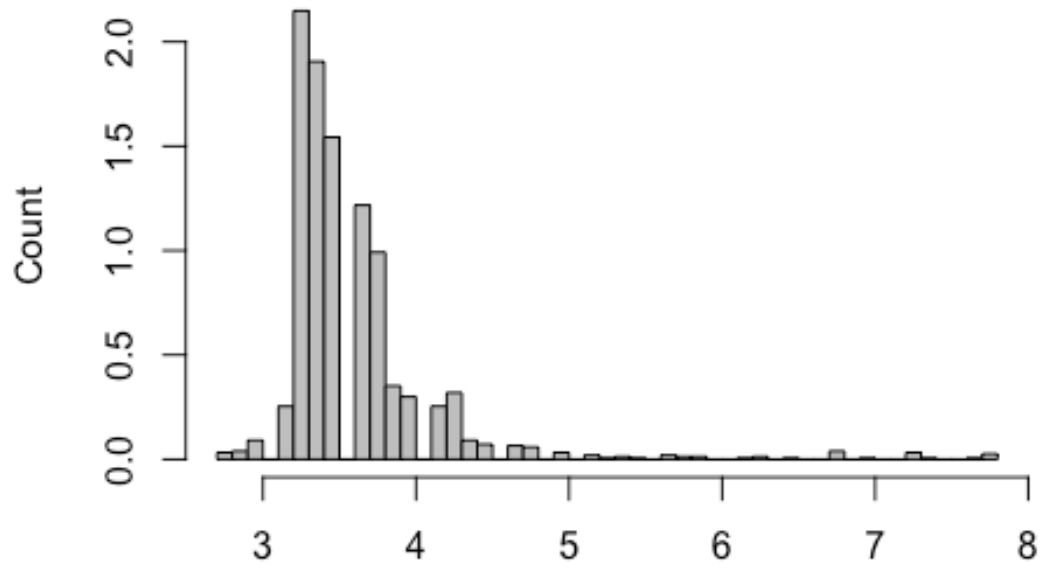
col.type <- data.frame("varType"=sapply(d_Cool_Wall, function (x) class(x)))
col.type$varName <- rownames(col.type)

rownames(col.type) <- NULL

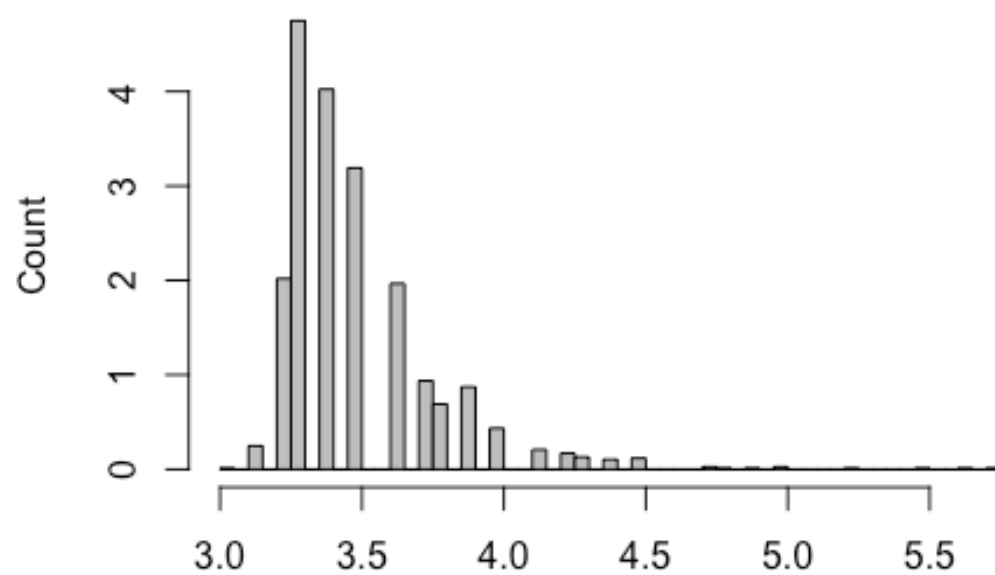
nCol <- nrow(col.type)
for(i in 1:nCol){
  if(col.type[i,1]=="numeric"){

    hist(d_Cool_Wall[,col.type[i,2]],
         breaks=noBreaks,
         probability = T,
         main=paste("Histogram for wall display",col.type[i,2],sep=""),
         ylab="Count",
         xlab = '',
         col="grey"
    )
  }
}
```

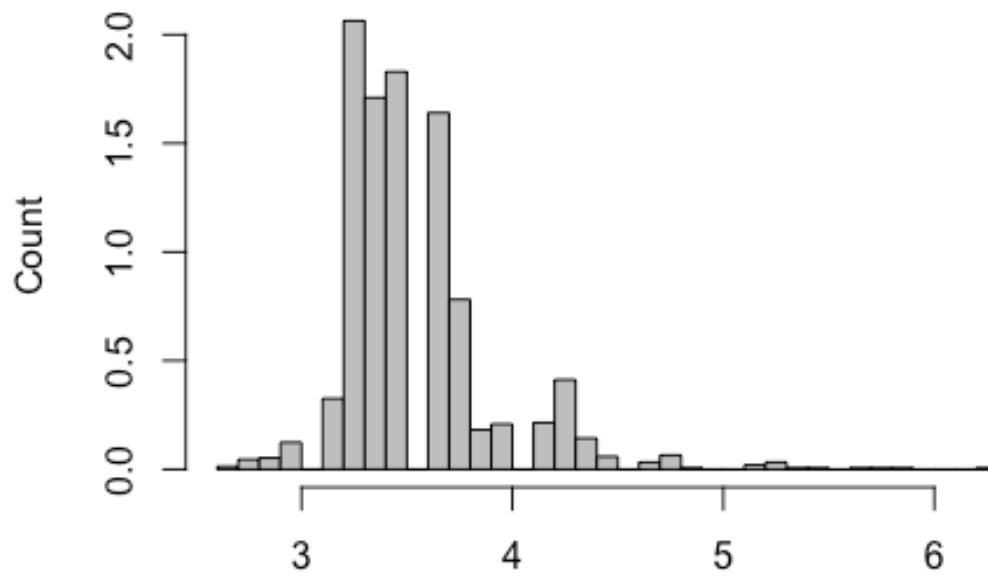
Histogram for wall displayX070



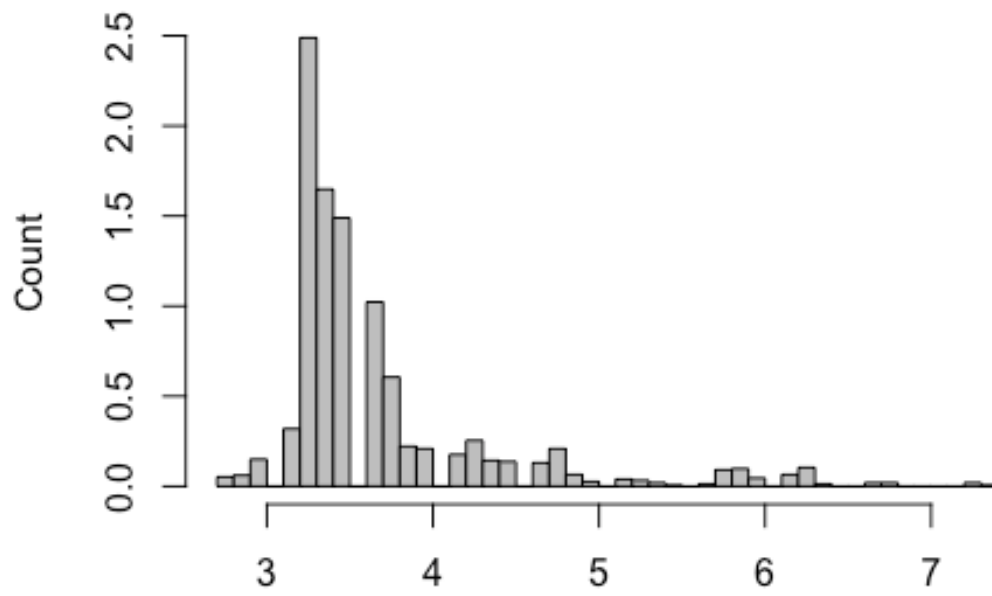
Histogram for wall displayX071



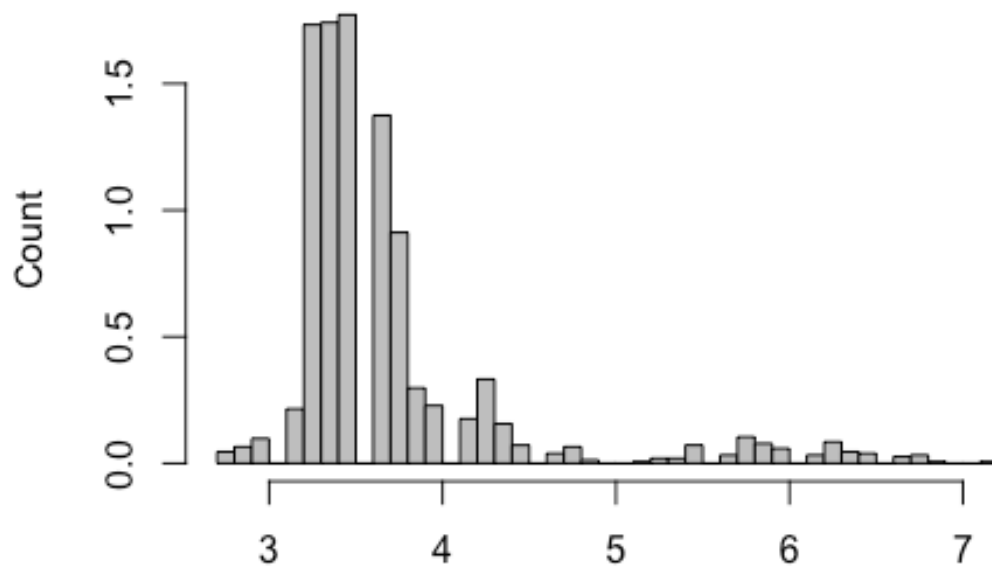
Histogram for wall displayX072



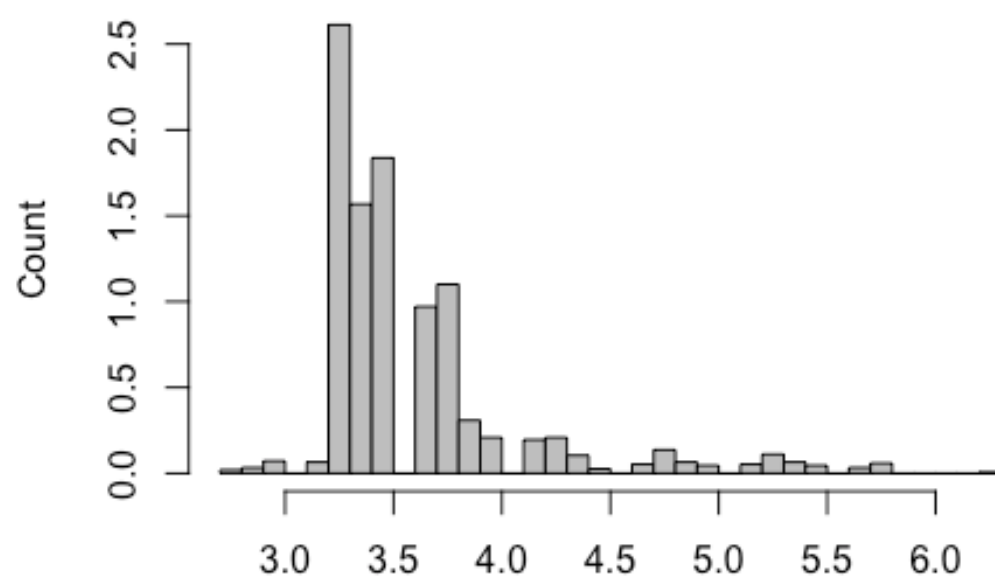
Histogram for wall displayX073



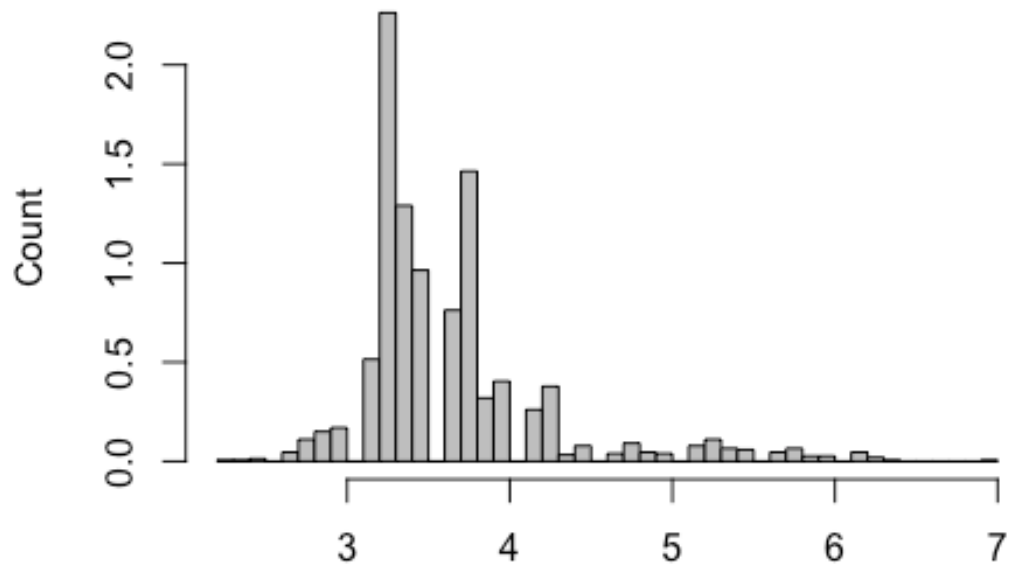
Histogram for wall displayX074



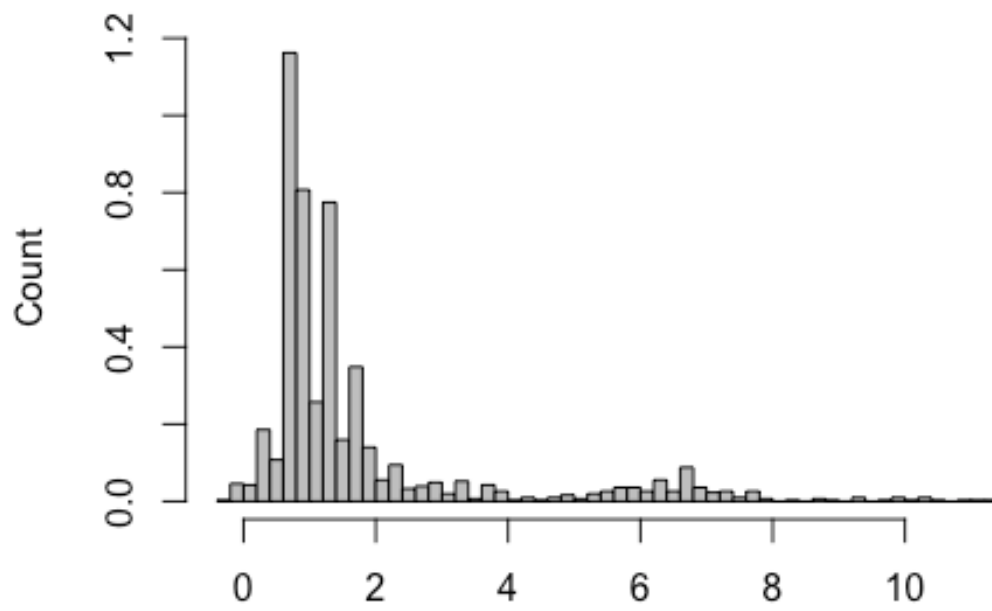
Histogram for wall displayX075



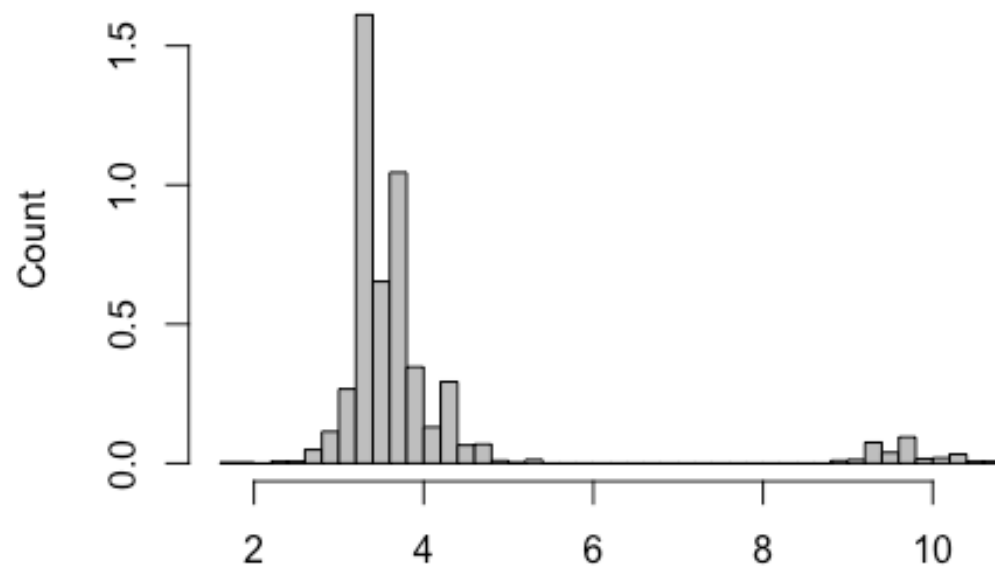
Histogram for wall displayX076



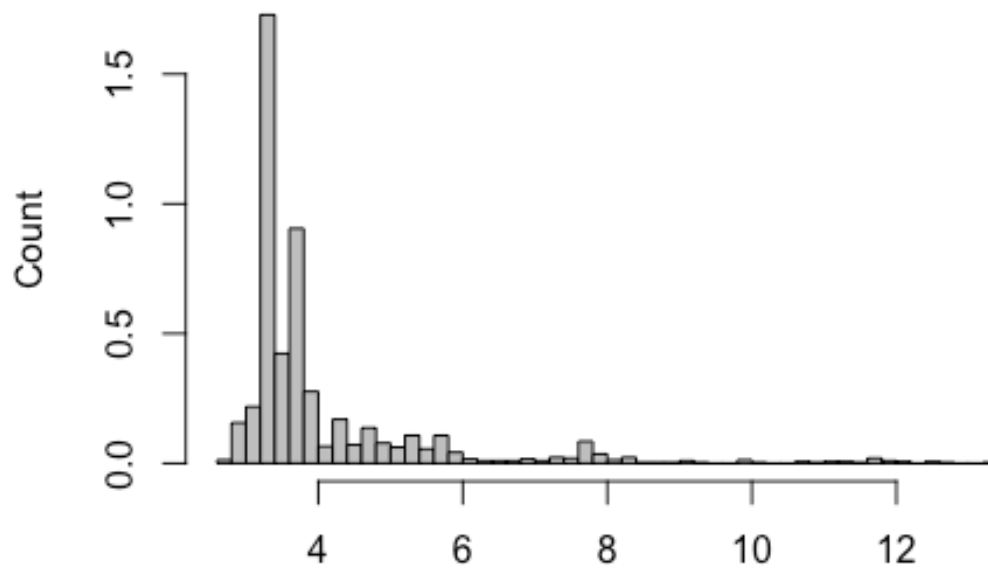
Histogram for wall displayX077



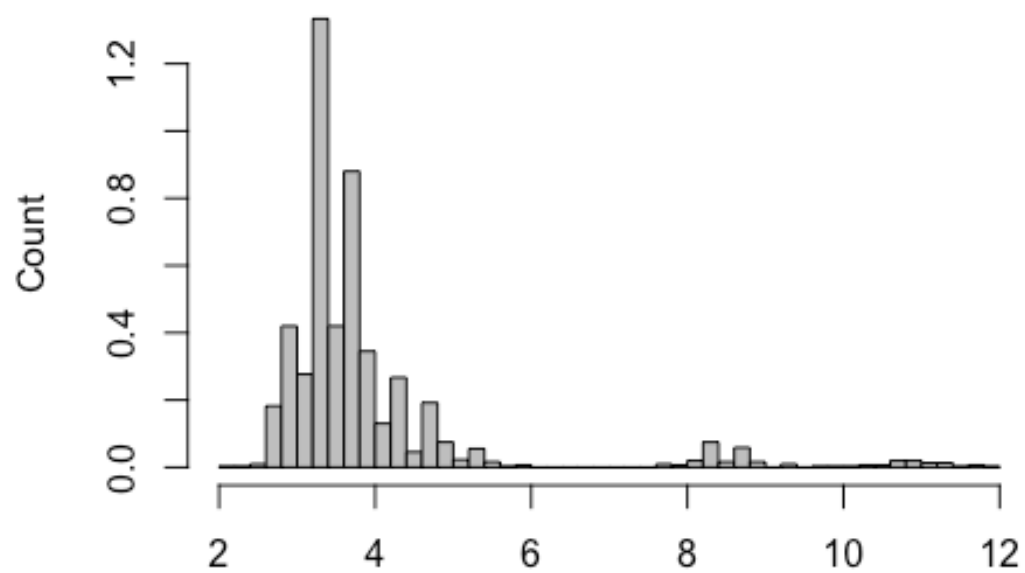
Histogram for wall displayX078



Histogram for wall displayX079



Histogram for wall displayX080



Histograms for refrigeration rooms

```
d_MT_Rooms = read.table(url('https://raw.githubusercontent.com/EmBro/MasterThesis/master/Data/Bilka_Temperature/Cool_Rooms.csv'),
                        sep = ',', dec = '.', header = T)

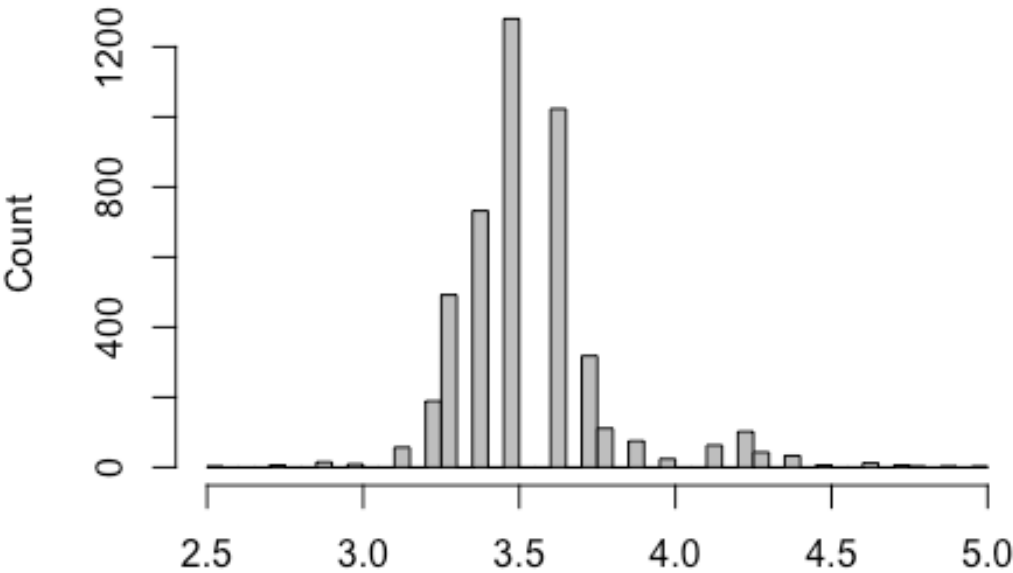
col.type <- data.frame("varType"=sapply(d_MT_Rooms, function (x) class(x)))
col.type$varName <- rownames(col.type)

rownames(col.type) <- NULL

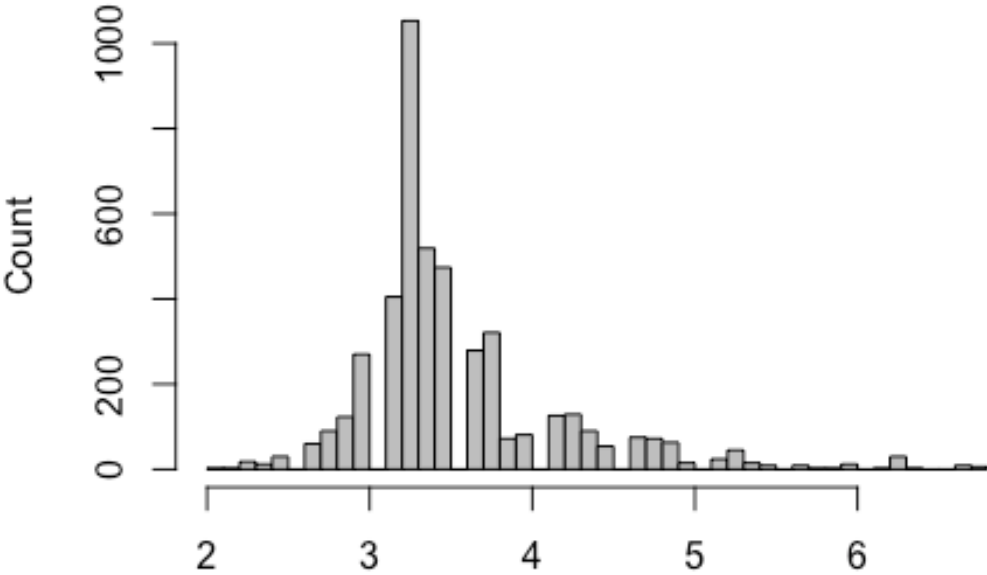
nCol <- nrow(col.type)
for(i in 1:nCol){
  if(col.type[i,1]=="numeric"){

    hist(d_MT_Rooms[,col.type[i,2]],
         breaks=noBreaks,
         probability = F,
         main=paste(" Histogram for Medium Temperature Room ",col.type[i,2],sep=""
    ),
         ylab="Count",
         xlab = '',
         col="grey"
    )
  }
}
```

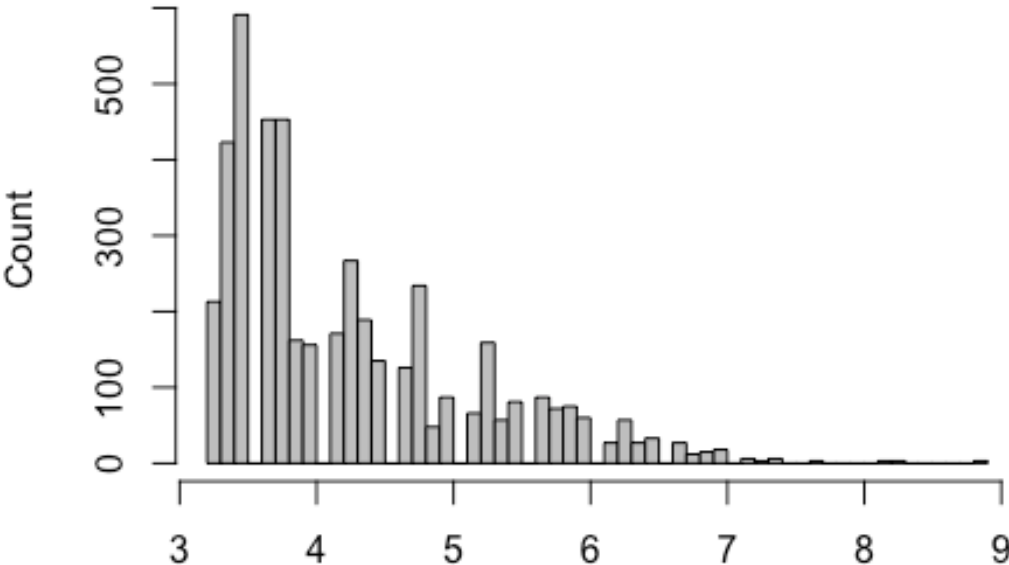

Histogram for Medium Temperature Room X013



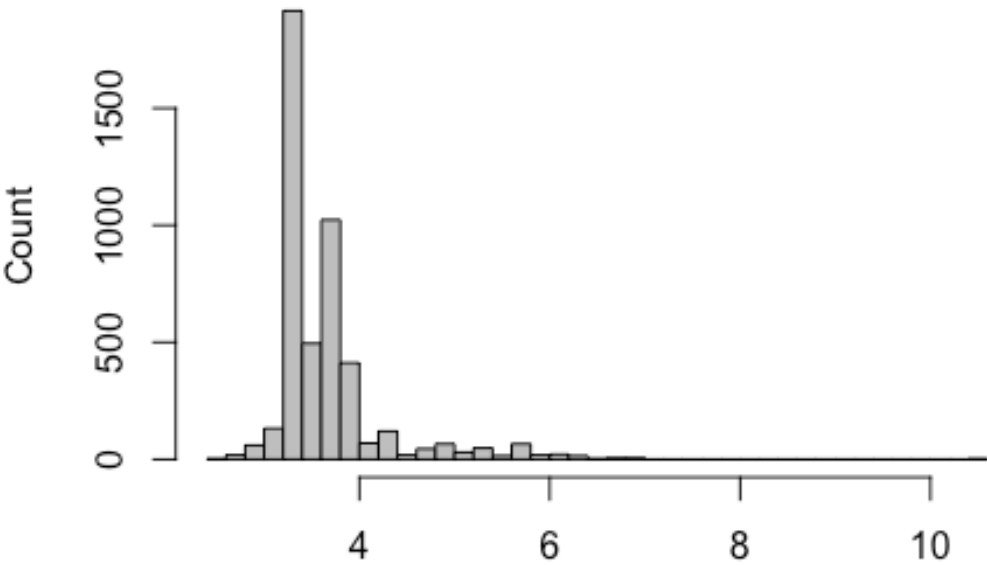
Histogram for Medium Temperature Room X014



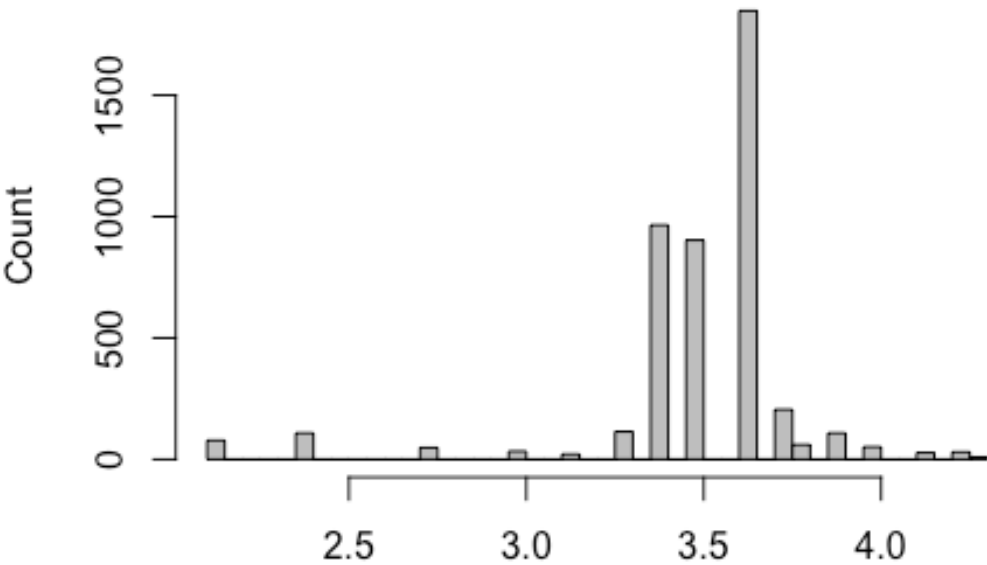
Histogram for Medium Temperature Room X015



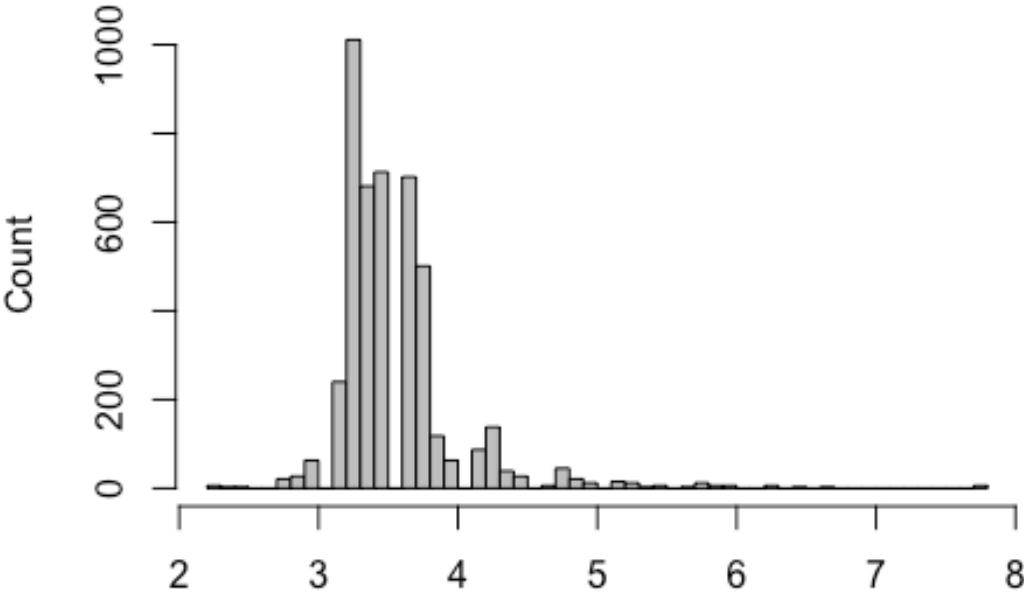
Histogram for Medium Temperature Room X016



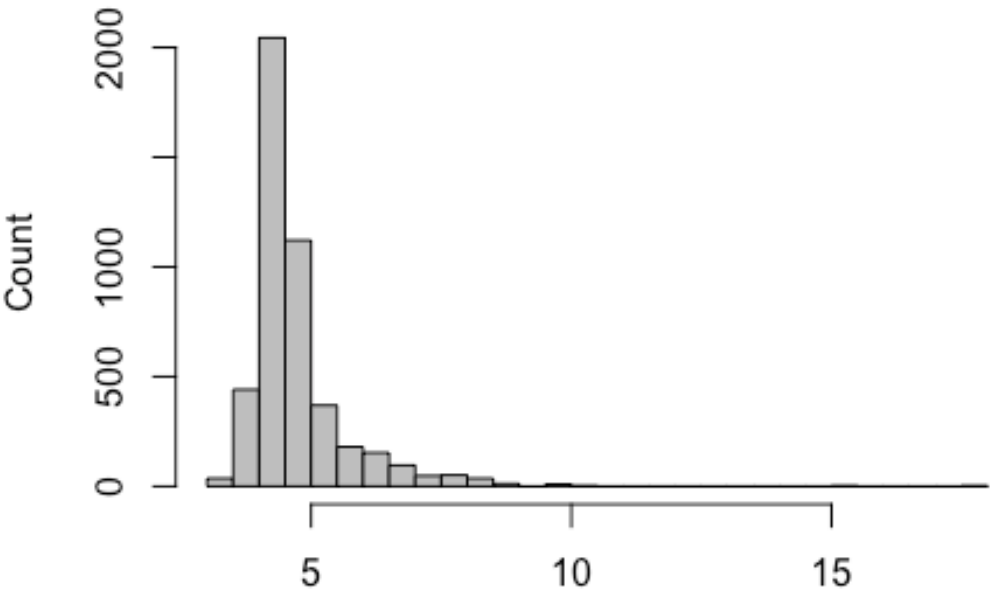
Histogram for Medium Temperature Room X019



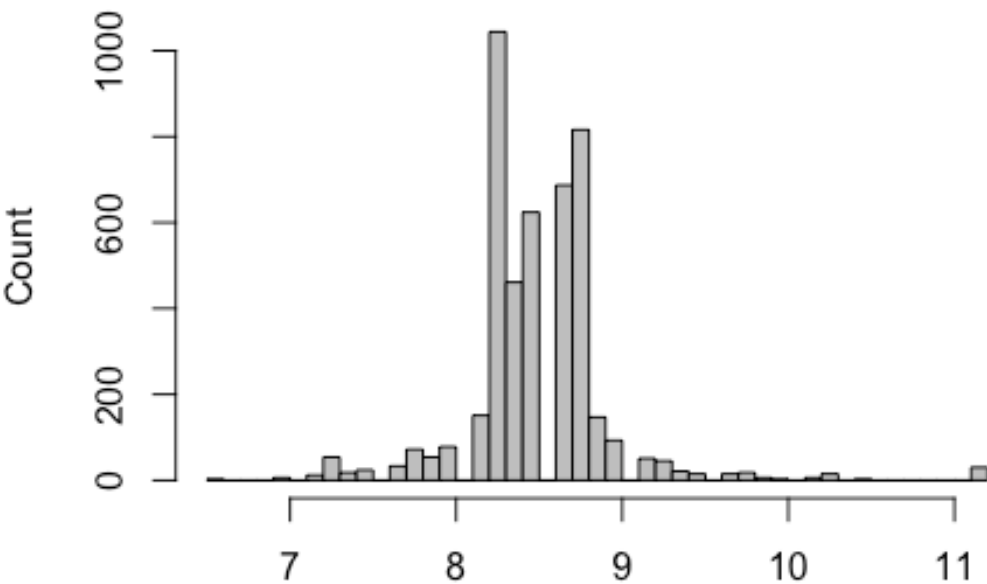
Histogram for Medium Temperature Room X020



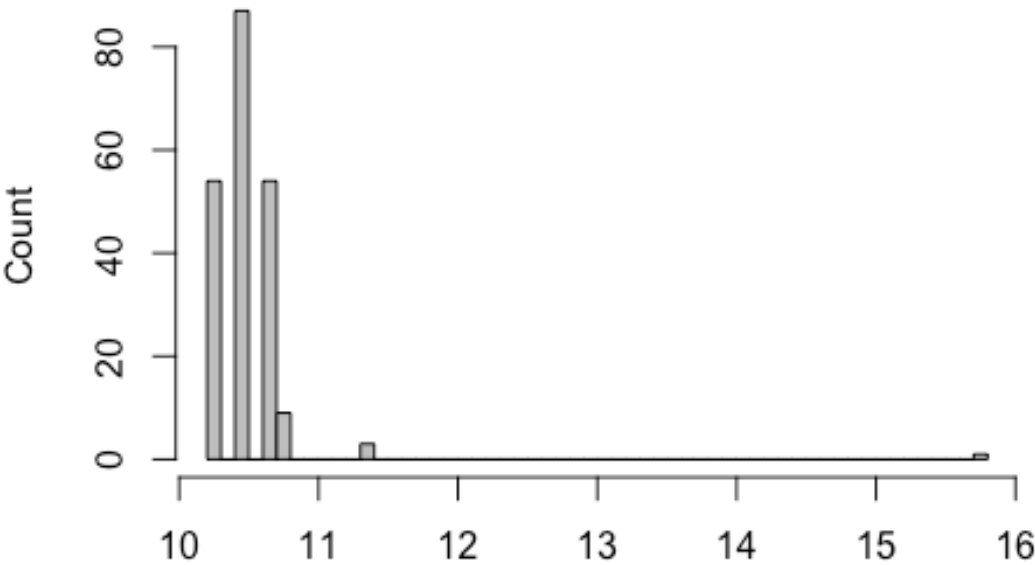
Histogram for Medium Temperature Room X025



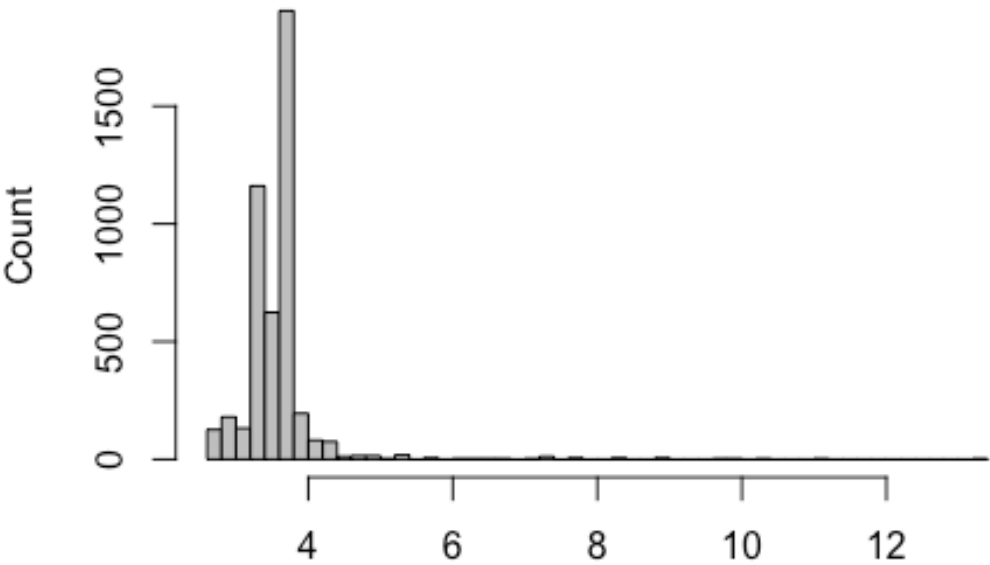
Histogram for Medium Temperature Room X026



Histogram for Medium Temperature Room X027



Histogram for Medium Temperature Room X028



Histograms for Low Temperature rooms

```
d_LT_Rooms = read.table(url('https://raw.githubusercontent.com/EmBro/MasterThesis/master/Data/Bilka_Temperature/Freez_Rooms.csv'),
                        sep = ',', dec = '.', header = T)

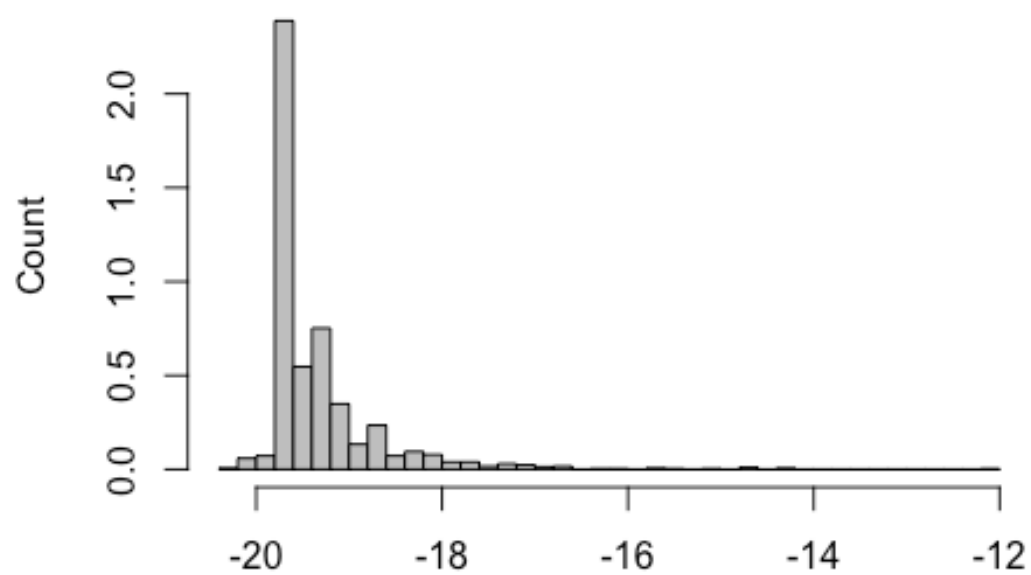
col.type <- data.frame("varType"=sapply(d_LT_Rooms, function (x) class(x)))
col.type$varName <- rownames(col.type)

rownames(col.type) <- NULL

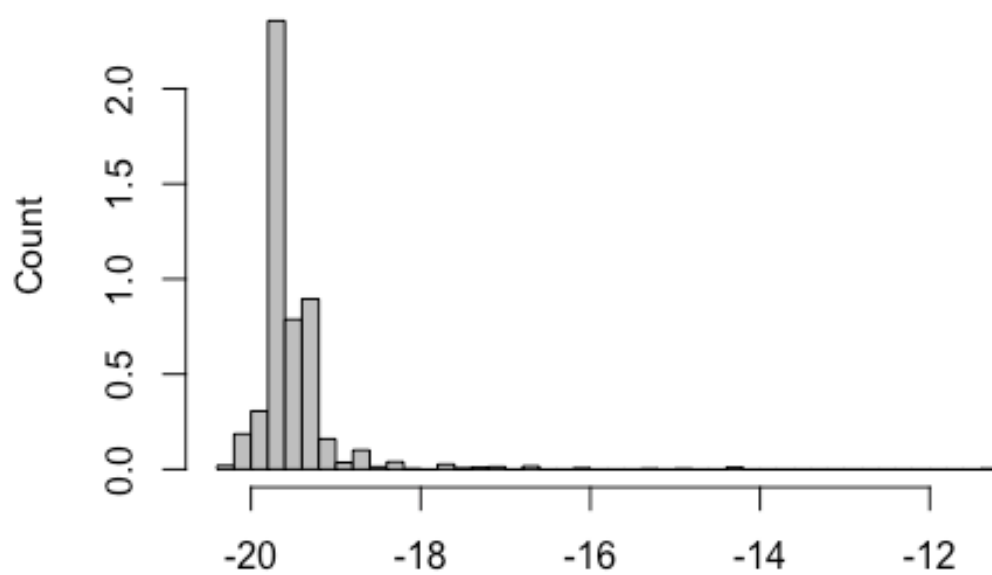
nCol <- nrow(col.type)
for(i in 1:nCol){
  if(col.type[i,1]=="numeric"){

    hist(d_LT_Rooms[,col.type[i,2]],
         breaks=noBreaks,
         probability = T,
         main=paste(" Histogram for Low Temperature Room ",col.type[i,2],sep=""),
         ylab="Count",
         xlab = '',
         col="grey"
    )
  }
}
```

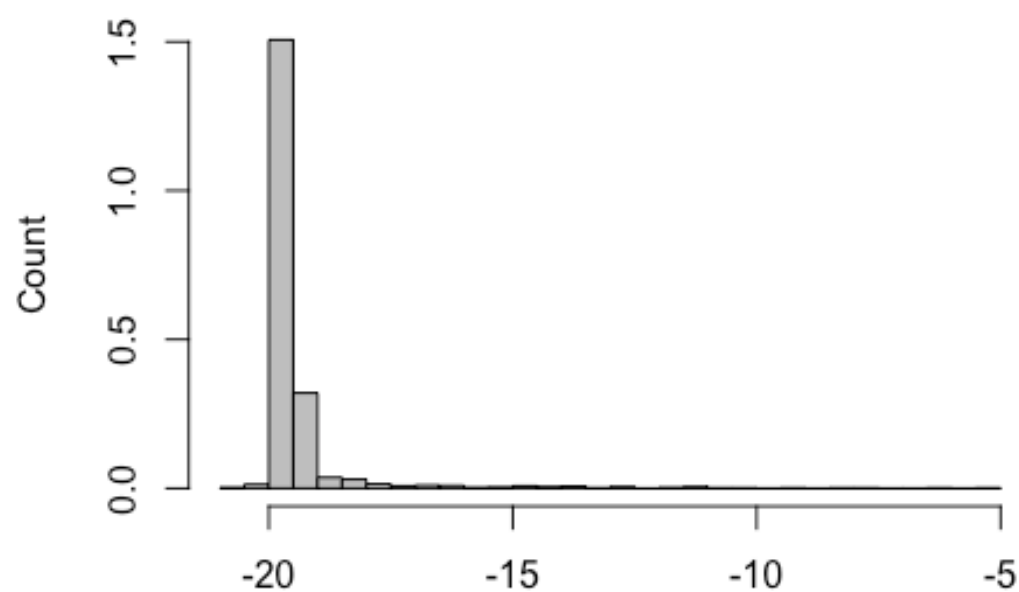
Histogram for Low Temperature Room X035



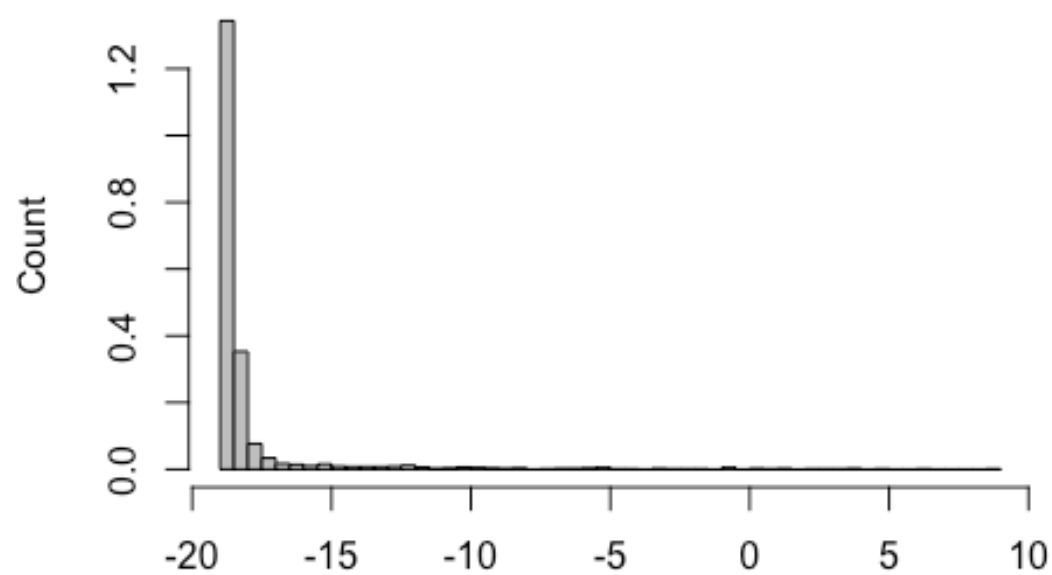
Histogram for Low Temperature Room X036



Histogram for Low Temperature Room X037



Histogram for Low Temperature Room X042



Histogram for Low Temperature Room X044

