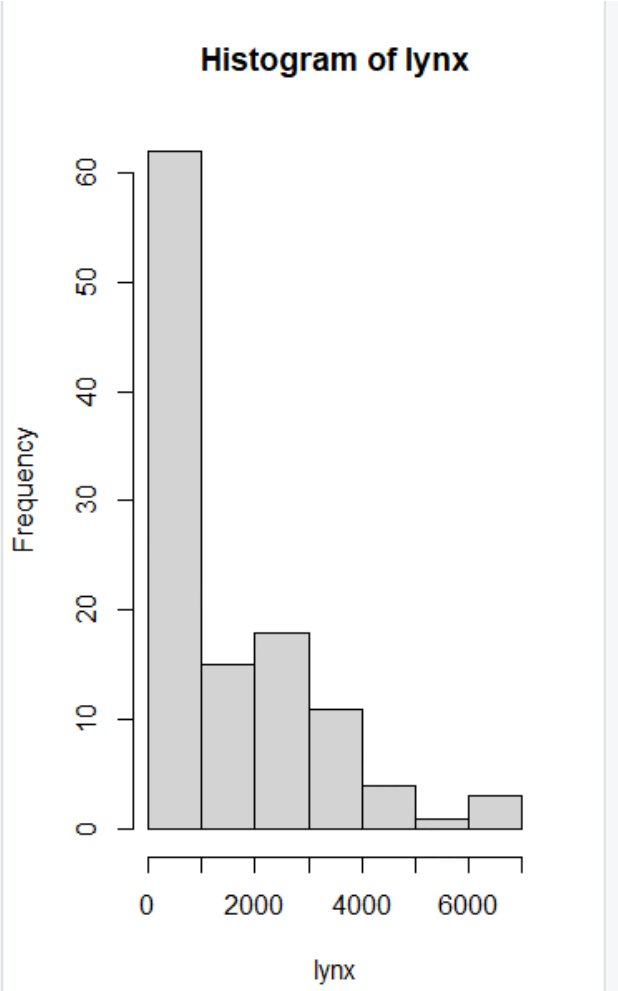
```
library(datasets)

# the animal dataset
?lynx
head(lynx)
```

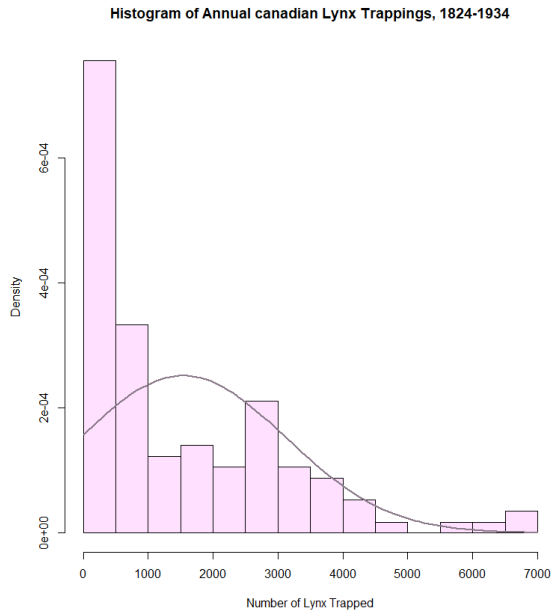
```
> library(datasets)
> ?lynx
> head(lynx)
[1]  269  321  585  871 1475 2821
> head(lynx)
[1]  269  321  585  871 1475 2821
>
```

```
hist(lynx)
```

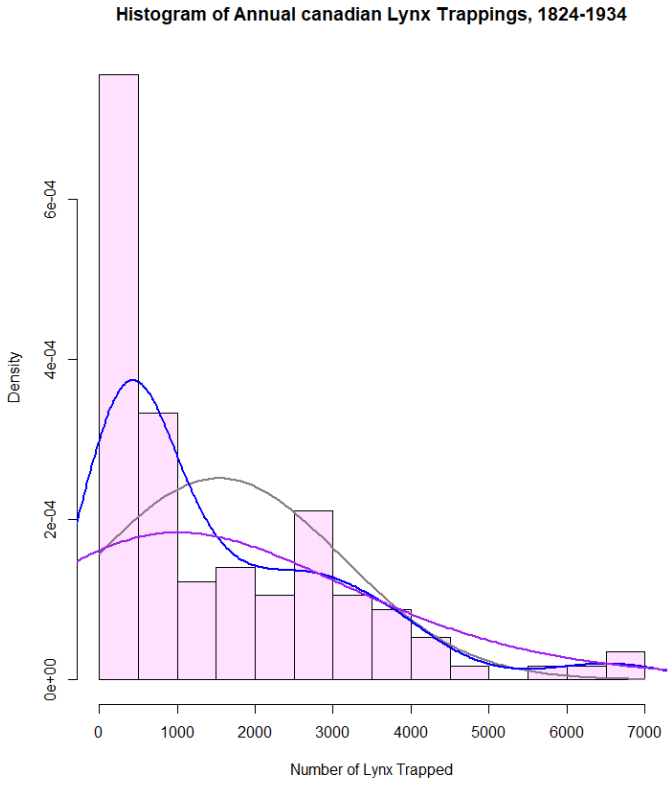



```
hist(
```

```
  breaks = 14,
  lynx,
  freq = FALSE,
  col = "thistle1",
  main= paste("Histogram of Annual canadian Lynx", "Trappings, 1824-
1934"),
  xlab= "Number of Lynx Trapped")
```



```
# use add = TRUE to meaning that ... it overlay
curve(
  (dnorm(x, mean = mean(lynx), sd = sd(lynx))),
  col = "thistle4",
  lwd= 2,
  add = TRUE
)
```



```
# add kernel density estimator
lines(density(lynx), col= "blue", lwd= 2)
lines(density(lynx, adjust = 3), col= "purple", lwd= 2)

rug(lynx, lwd=2, col = "gray")

dev.off()
```