

```
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```

```
BirdBones <- read.csv("../data/bird.csv",header = T, sep = ",")
```

Introduction

Research Question

Are the bones of birds significantly distinct per group/functioning of birds, and can we use them to id

Data

Data recieved from [Birds' Bones and Living Habits](<https://www.kaggle.com/zhangjuefei/birds-bones-and>

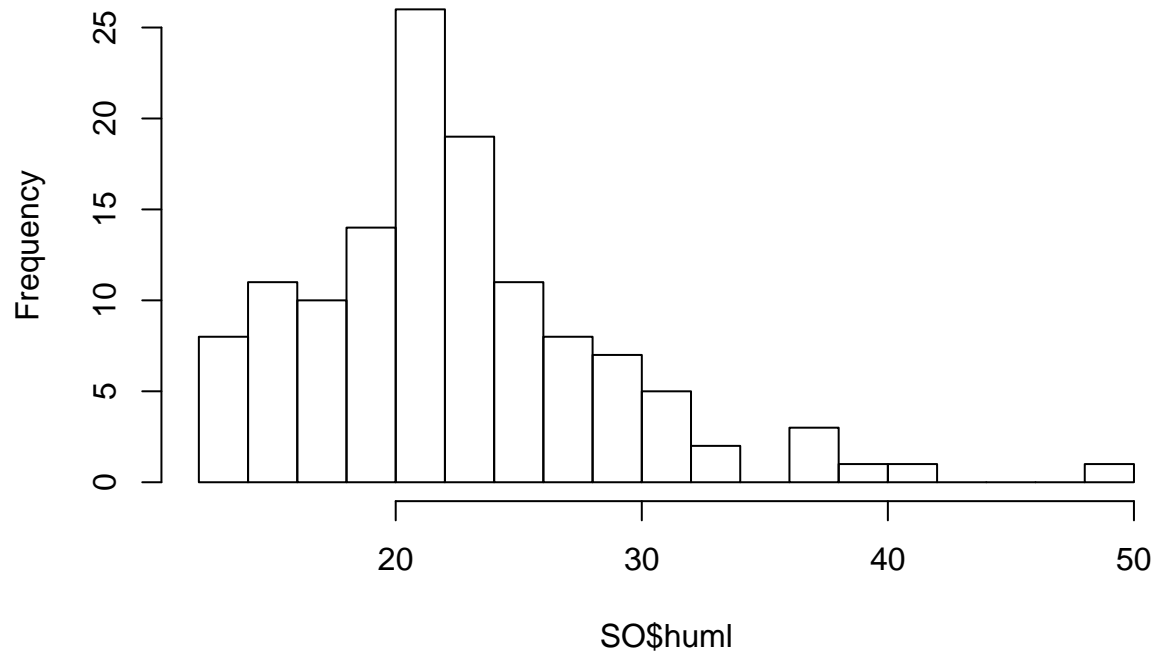
Bone measurements were measured from a skeleton collection of Natural History Museum of Los Angeles Count provided by Dr. D. Liu of beijing Museum of Natural History

Exploratory Data Analyses

```
# Swimming  
SW <- BirdBones[BirdBones$type == "SW",]  
# Wading  
W <- BirdBones[BirdBones$type == "W",]  
# Terrestrial  
TER <- BirdBones[BirdBones$type == "T",]  
# Raptors  
R <- BirdBones[BirdBones$type == "R",]  
# Scansorial  
P <- BirdBones[BirdBones$type == "P",]  
# Singing  
SO <- BirdBones[BirdBones$type == "SO",]
```

```
source("../scripts/BoneMeans.R")  
dataMeans <- BoneMeans(BirdBones)  
hist(SO$hum1, breaks = 15)
```

Histogram of SO\$huml



```
boxplot(SW, main = "Bone Lenght Swimming Birds",  
        xlab = "Bone", ylab = "Length in mm", las=2)
```

Bone Length Swimming Birds

