Code Used:

#Required libraries

library(dplyr)

#Read the dataset csv file

bdf<-read.csv("Urban\_Park\_Ranger\_Animal\_Condition\_Response.csv")

##Extracting the Year from the column "Date.and.Time.of.initial.call"

#Format Year

bdf <- bdf %>%

mutate(`Date.and.Time.of.initial.call` = as.POSIXct(`Date.and.Time.of.initial.call`, format = "%m/%d/%Y %I:%M:%S %p"))

bdf <- bdf %>%

filter(!is.na(`Date.and.Time.of.initial.call`))

#Added new Year column on dataset

bdf <- bdf %>%

mutate(Year = year(`Date.and.Time.of.initial.call`))

#Filter data for Ranger Action= ACC and Rehabilitator and Species status= c("Native", "Invasive", "Domestic", "Exotic")

# Also Call Sources = Conservancies,Observed by Ranger and Other combined as "Others"

filtered\_data <- bdf %>%

filter(

Species.Status %in% c("Native", "Invasive", "Domestic", "Exotic"),

Final.Ranger.Action %in% c("ACC","Rehabilitator")

) %>%

mutate(

Final.Ranger.Action ="ACC or Rehabilitator",

Call.Source=ifelse(Call.Source %in% c("Central","Employee","Public"),Call.Source,

"Others"

)

)

# Getting the count

acc\_rehab\_records <- filtered\_data %>%

count(Year, Call.Source, Species.Status, Final.Ranger.Action) %>%

rename(Count=n)

# Filtering Species status= c("Native", "Invasive", "Domestic", "Exotic")

# Call Sources = Conservancies,Observed by Ranger and Other combined as "Others"

# Final Ranger Action = All

filtered\_data <- bdf %>%

filter(

Species.Status %in% c("Native", "Invasive", "Domestic", "Exotic"), # Include only specified Species.Status values

) %>%

mutate(

Call.Source=ifelse(Call.Source %in% c("Central","Employee","Public"),Call.Source,

"Others"

),

Final.Ranger.Action="All"

)

# Getting count

all\_records <- filtered\_data %>%

count(Year, Call.Source, Species.Status, Final.Ranger.Action)%>%

rename(Count=n)

#Concatenating the datasets

combined\_data<-rbind(acc\_rehab\_records,all\_records)

#Create csv file

write.csv(combined\_data,file="Table2.csv",row.names = F)

# Once the CSV file was generated, used the data to create the Publication table in Excel.

1. Added Caption
2. Added years as stubs.
3. Added Final Ranger action=ACC or Rehab/ All as Table Spanner
4. Added Call source among the year stubs.
5. Added Species as Column heads.
6. Added total values to highlight trends in ACC/ Rehabilitator, Call Source and Species.
7. Colour coding for better visuals.
8. Added Foot Note.