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)
```

```r
# 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.