## SQL Codes and Outputs for Bird Data

## **Summary**

This document discusses conducting queries and analysing results related to bird data. It covers the process of creating a table for bird monitoring and provides sample SQL queries.

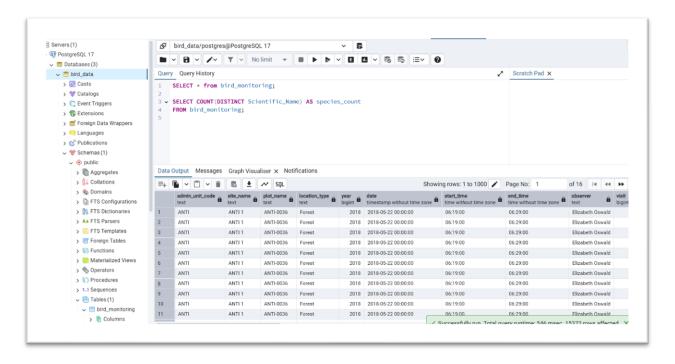
## Ordered Images with Borders

No images were detected in the provided context or resources. Please insert or specify the images you would like to arrange and have bordered, and I will organise them accordingly.

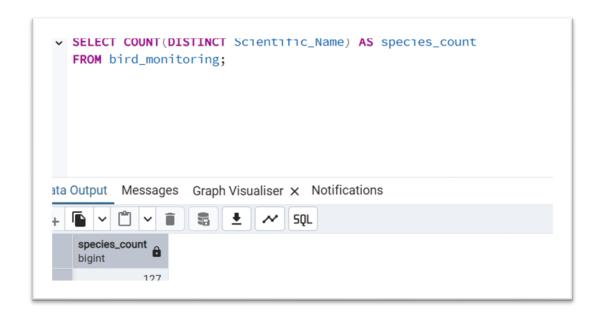
Queries and Results

1. Creating a Table for Bird Data

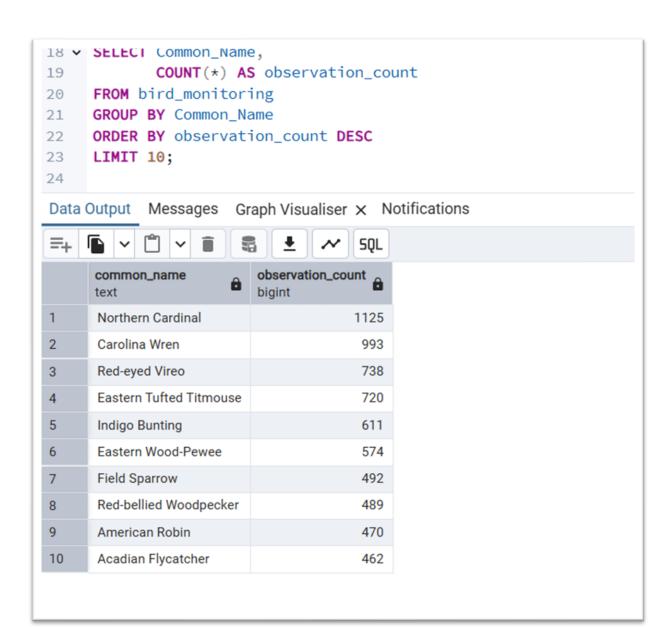


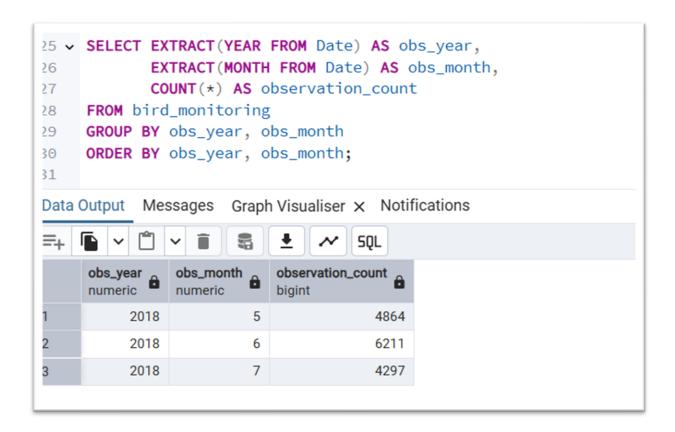


SELECT COUNT(DISTINCT Scientific\_Name) AS species\_count
 FROM bird\_monitoring;

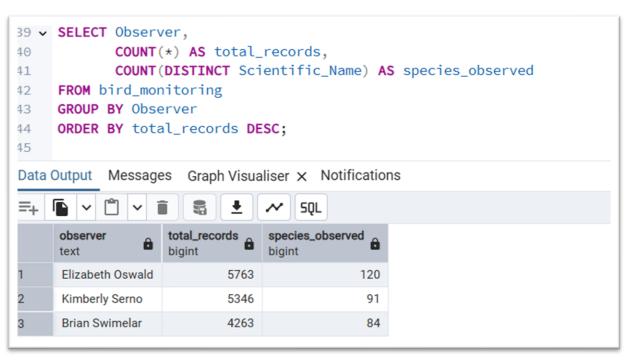




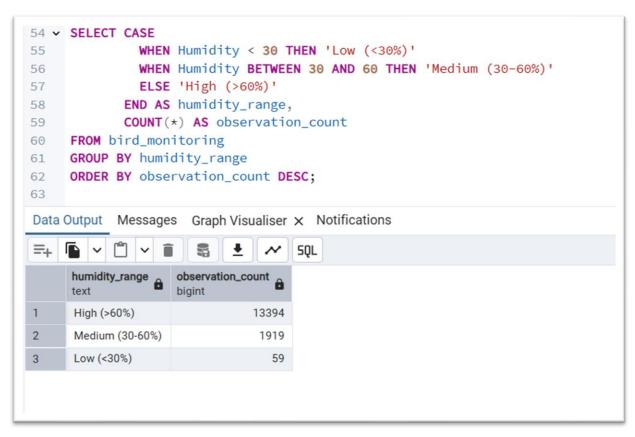




```
32 v SELECT Plot_Name,
              COUNT(DISTINCT Scientific_Name) AS species_count
33
34
      FROM bird_monitoring
     GROUP BY Plot_Name
35
     ORDER BY species_count DESC
36
37
      LIMIT 10;
38
Data Output Messages Graph Visualiser X Notifications
=+
                                        SQL
                  species_count
      plot_name
      text
                  bigint
1
      MONO-0057
                             27
2
      MANA-0047
                             27
      ANTI-0105
3
                             27
4
      CHOH-0812
                             26
5
      MONO-0076
                             26
      MONO-0085
6
                             26
7
      MANA-0048
                             26
      MONO-0066
8
                             26
9
      ANTI-0009
                             25
10
      ANTI-0034
                             25
```



```
46 v SELECT Location_Type,
47
             COUNT(DISTINCT Scientific_Name) AS watchlist_species_count
     FROM bird_monitoring
48
     WHERE PIF_Watchlist_Status = 'TRUE'
49
50
     GROUP BY Location_Type
     ORDER BY watchlist_species_count DESC;
51
52
Data Output Messages Graph Visualiser × Notifications
                                      SQL
=+
                   watchlist_species_count
     location_type
                   bigint
     text
      Forest
                                      7
      Grassland
                                      4
```



```
65 ∨ SELECT distance_numeric,
              COUNT(*) AS observation_count
66
     FROM bird_monitoring
67
     GROUP BY distance_numeric
68
69
     ORDER BY observation_count DESC;
70
71
                       Graph Visualiser × Notifications
Data Output
            Messages
                                       SQL
=+
                      observation_count
      distance_numeric
      double precision
                      bigint
                  75
                                   8463
2
                   25
                                   6909
```

