

# "Bird Species Observation – Executive Summary"

378

Endangered\_Species

108

Forest\_Species

107

Grassland\_Species

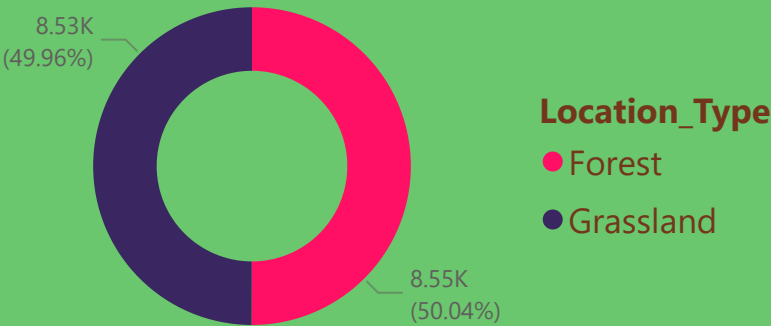
127

TotalUniqueSpecies

17K

TotalObservationCount

## Habitat Distribution



Date

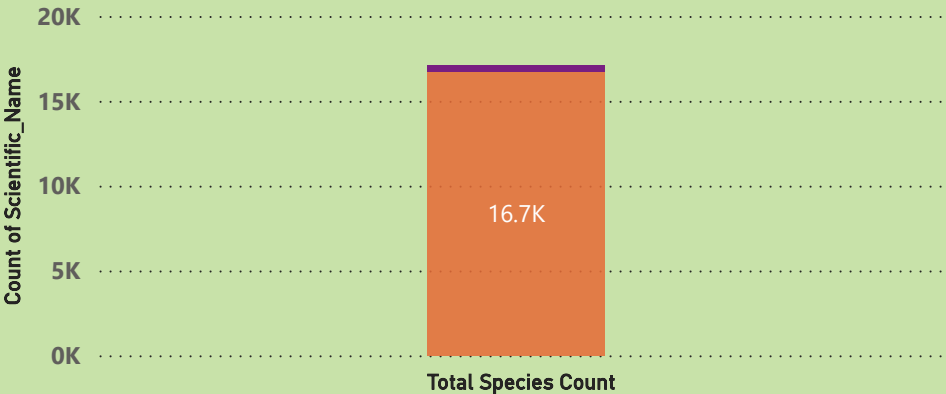
- ☐ 07-05-2018 00:00:00
- ☐ 08-05-2018 00:00:00
- ☐ 09-05-2018 00:00:00
- ☐ 10-05-2018 00:00:00
- ☐ 11-05-2018 00:00:00

PIF\_Watchlist\_Status, ...

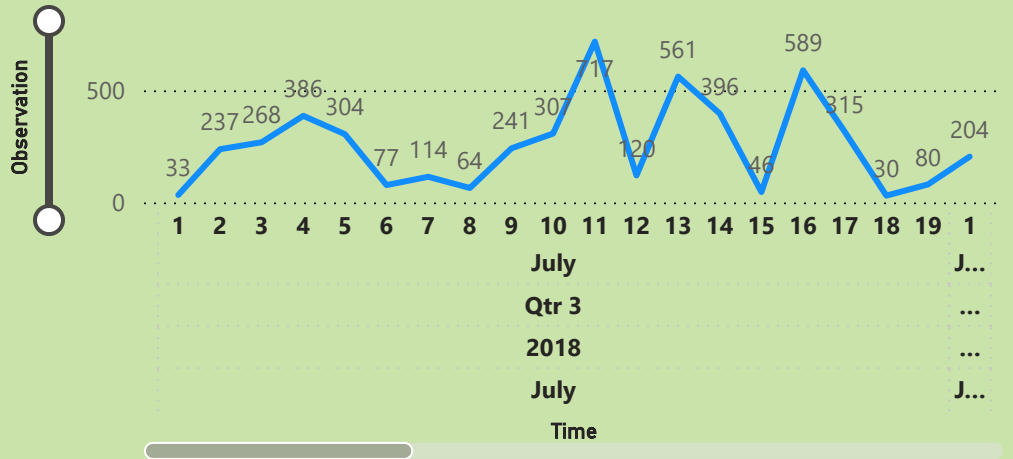
- ☐ False
- ☐ True

## Endangered vs. Non-Endangered Species Count

PIF\_Watchlist\_Status ● False ● True

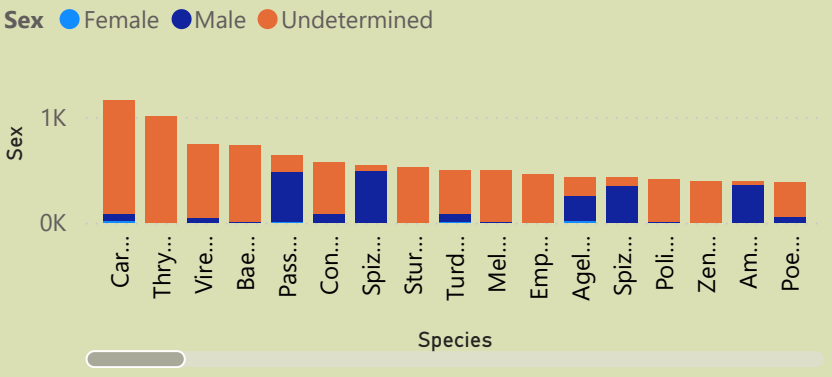


## Bird Sighting Patterns

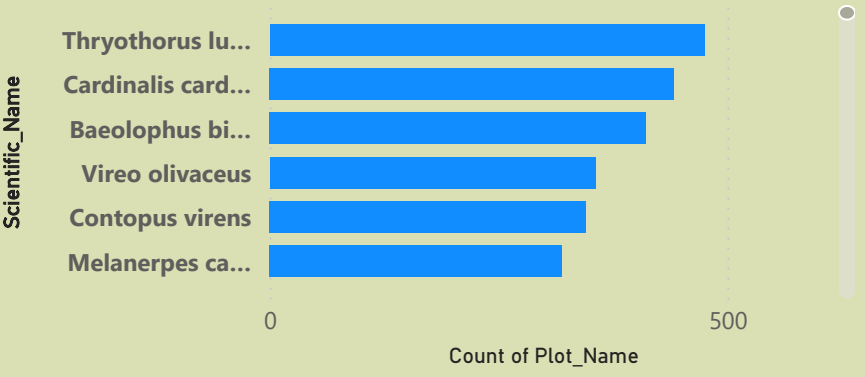


# Species Diversity & Habitat Preferences

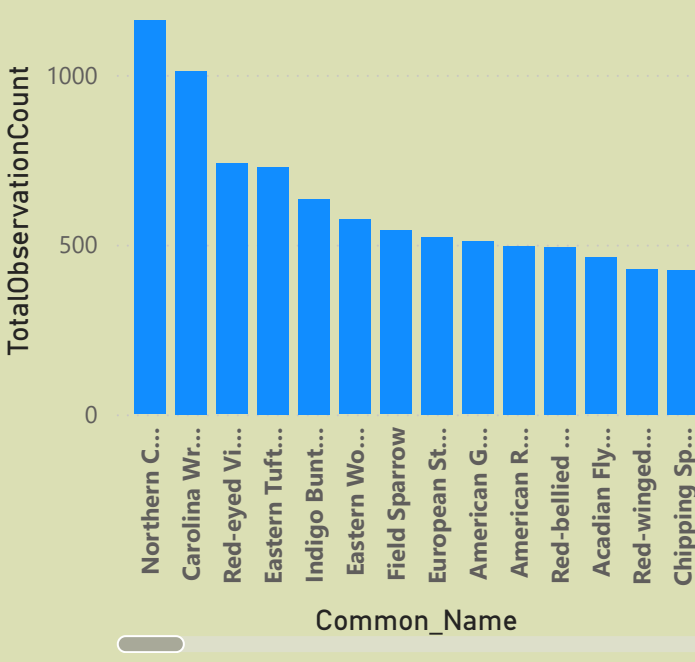
Male vs. Female Bird Sightings



"Bird Diversity by Location"



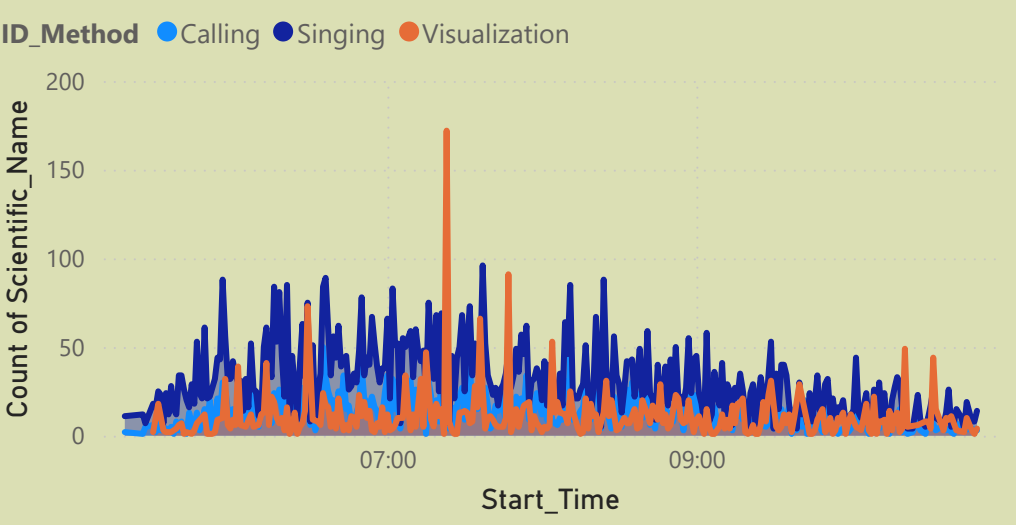
Species Popularity Based on Observation Data



"Regional Breakdown of Birds on the Watchlist"

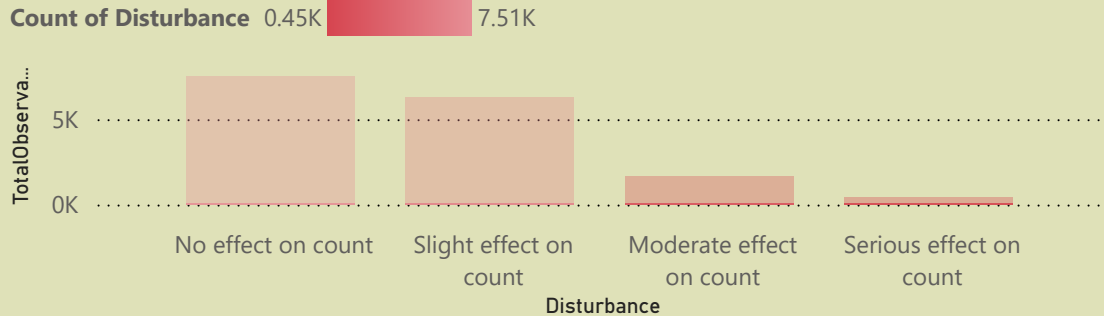


Species Activity by Time of Day

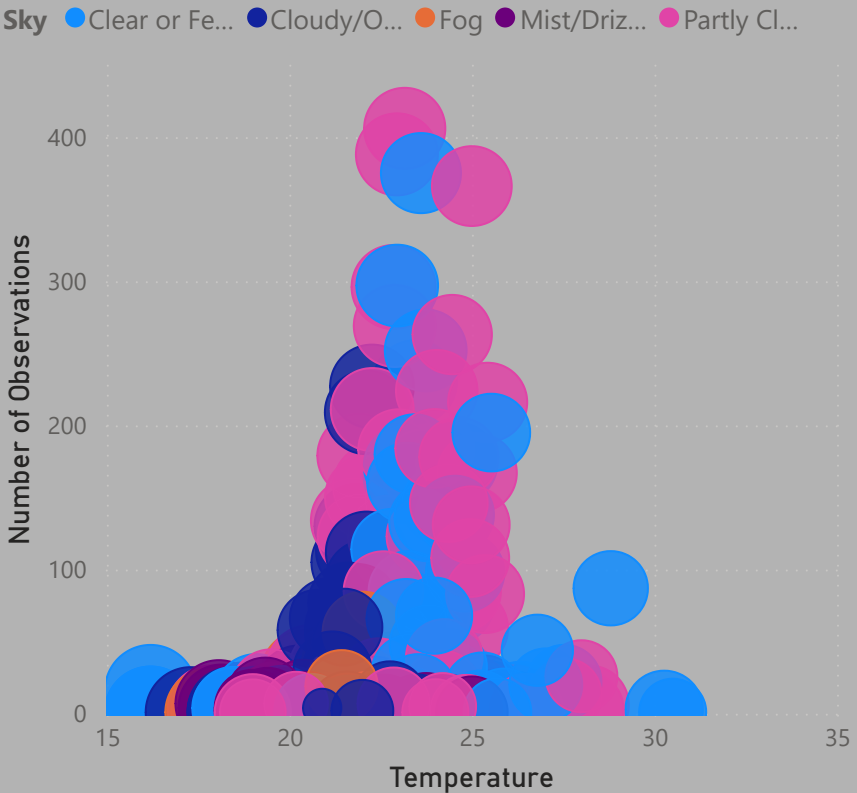


# "Assessing Human & Climate Impact on Bird Species"

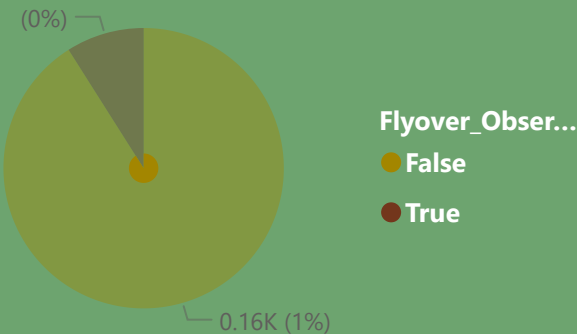
## "Effect of Environmental Disturbance on Bird Population"



## Temperature VARIation on Bird Observation



## "Are More Birds Spotted in Flyovers?"



Temperature

16.1237.30

Humidity

7.3098.80

Wind

☐ Calm (< 1 mph) smoke rises vertically

☐ Gentle breeze (8-12 mph), leaves in..

☐ Light air movement (1-3 mph) smo...

☐ Light breeze (4-7 mph) wind felt on

Sky

☐ Clear or Few Clouds

☐ Cloudy/Overcast

☐ Fog

☐ Mist/Drizzle

☐ Partly Cloudy

Disturbance

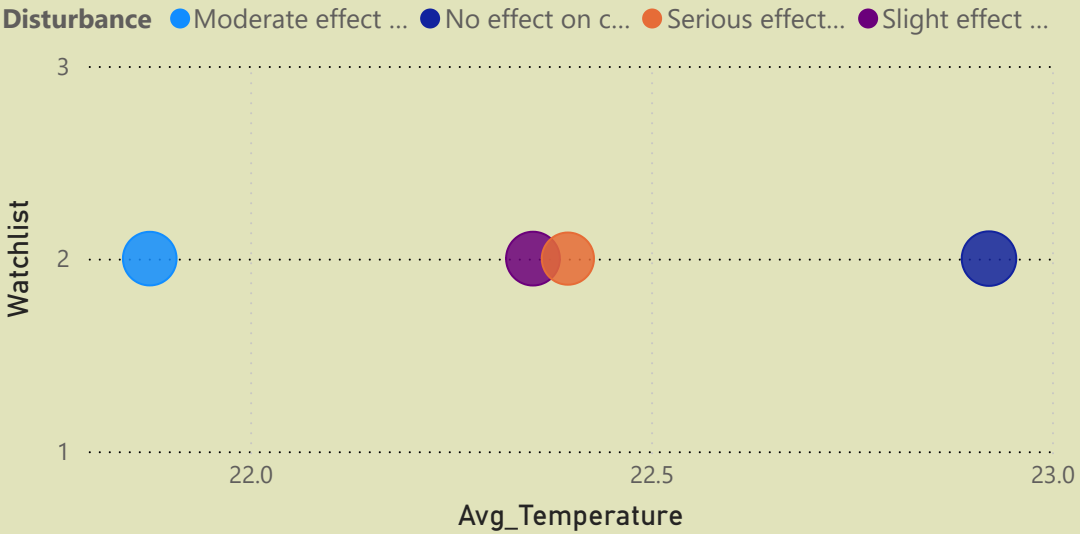
☐ Moderate effect on count

☐ No effect on count

☐ Serious effect on count

☐ Slight effect on count

# "Environmental Conditions and Conservation Risk by Disturbance Level"



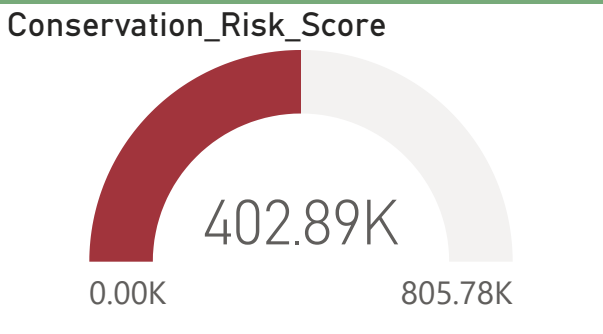
11.00

Min Temperature

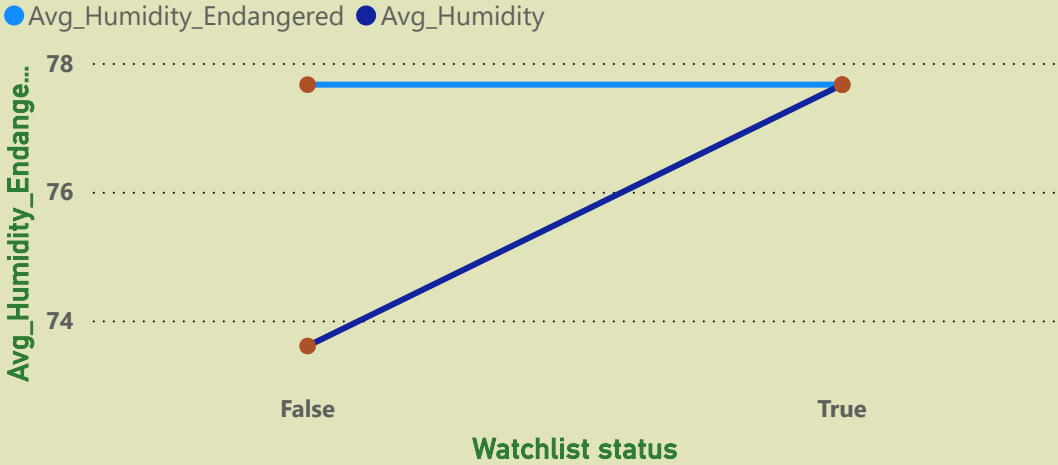
37.30

Max Temperature

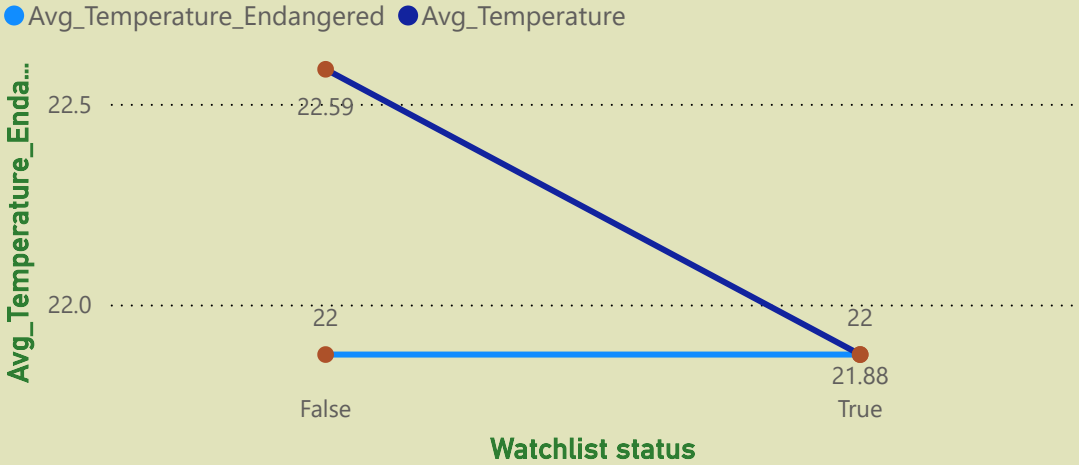
## "Environmental Threats & Endangered Species Analysis"



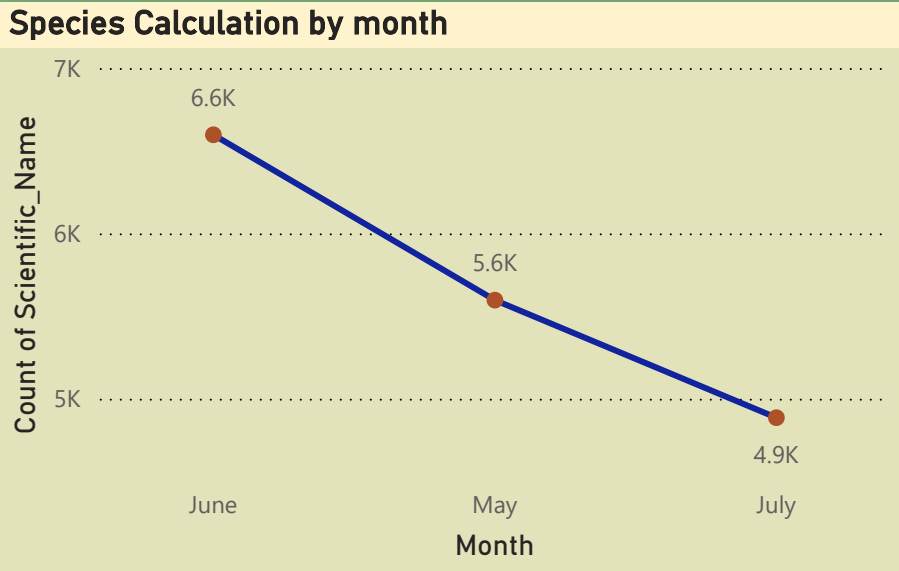
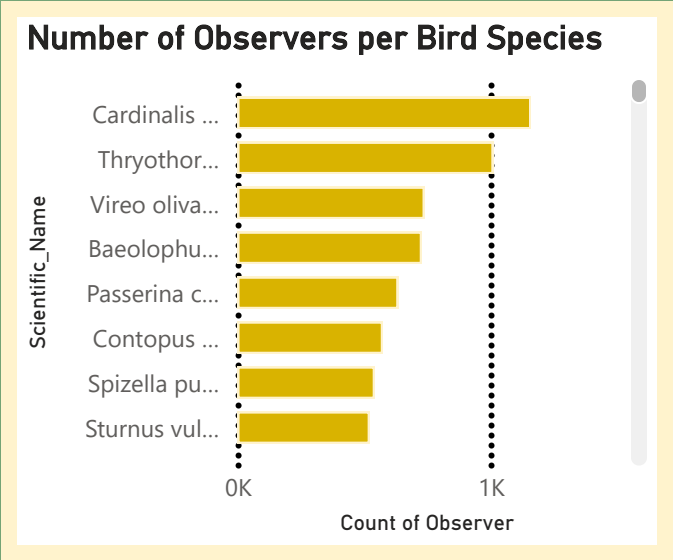
# "Average Humidity Variations for Endangered and Non-Endangered Birds"



# "Average Temperature Variations for Endangered and Non-Endangered Birds"

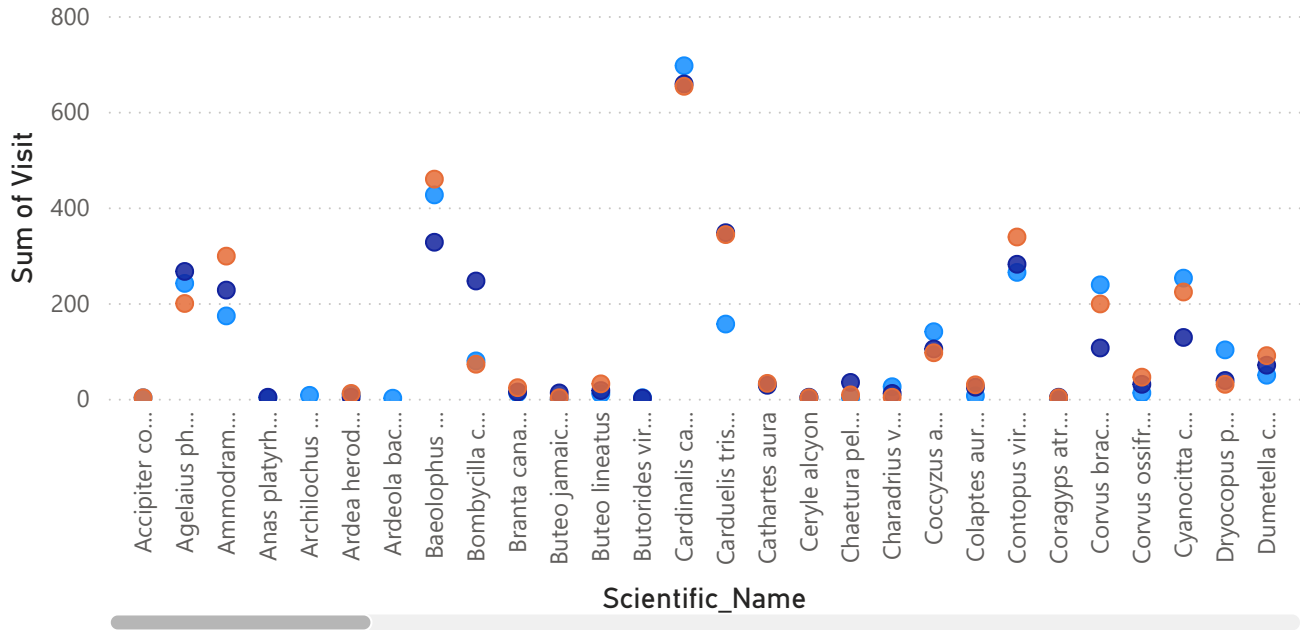


# "Tracking Bird Sightings: Observer Influence & Time-Based Trends"

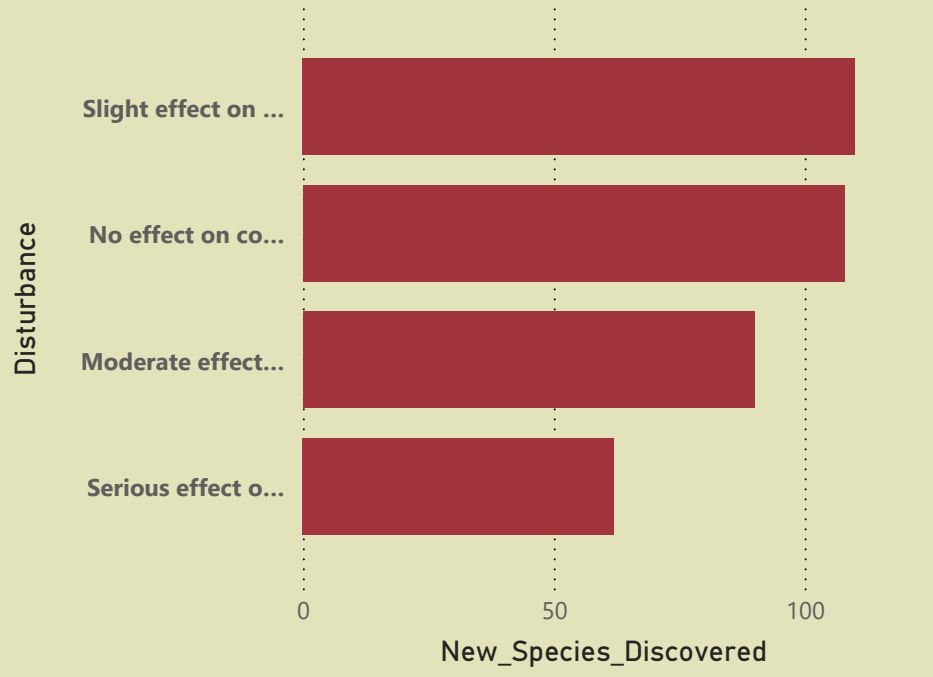


## Most Frequently Monitored Bird Species by Observers

Observer ● Brian Swimelar ● Elizabeth Oswald ● Kimberly Serno



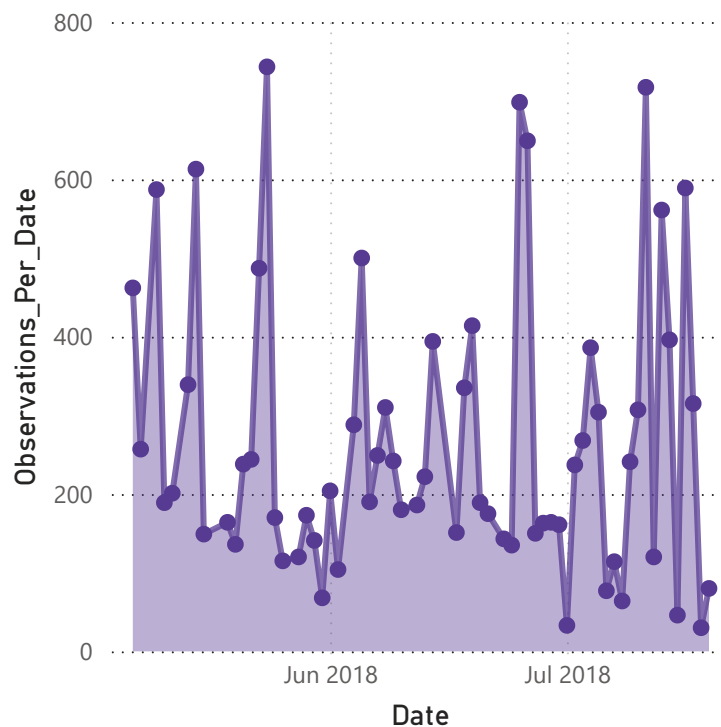
## New\_Species\_Discovered by Disturbance



# "Predicting Bird Sightings & Conservation Needs"

Month	July		June		May		Total	
Location_Type	First Scientific_Name	TotalUniqueSpecies	First Scientific_Name	TotalUniqueSpecies	First Scientific_Name	TotalUniqueSpecies	First Scientific_Name	TotalUniqueSpecies
Forest	Agelaius phoeniceus	65	Agelaius phoeniceus	86	Agelaius phoeniceus	94	Agelaius phoeniceus	108
Grassland	Agelaius phoeniceus	74	Accipiter cooperii	81	Agelaius phoeniceus	96	Accipiter cooperii	107
Total	Agelaius phoeniceus	89	Accipiter cooperii	100	Agelaius phoeniceus	114	Accipiter cooperii	127

"Observations Over Time: Trend Analysis"



18.78K

Predicted\_Sightings

"Conservation Need Score by Site Name"

