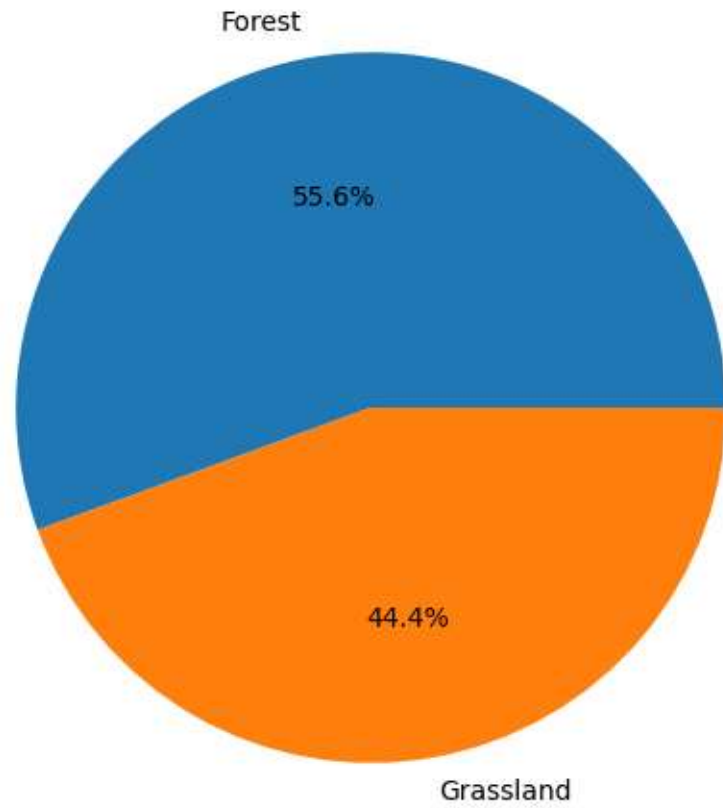


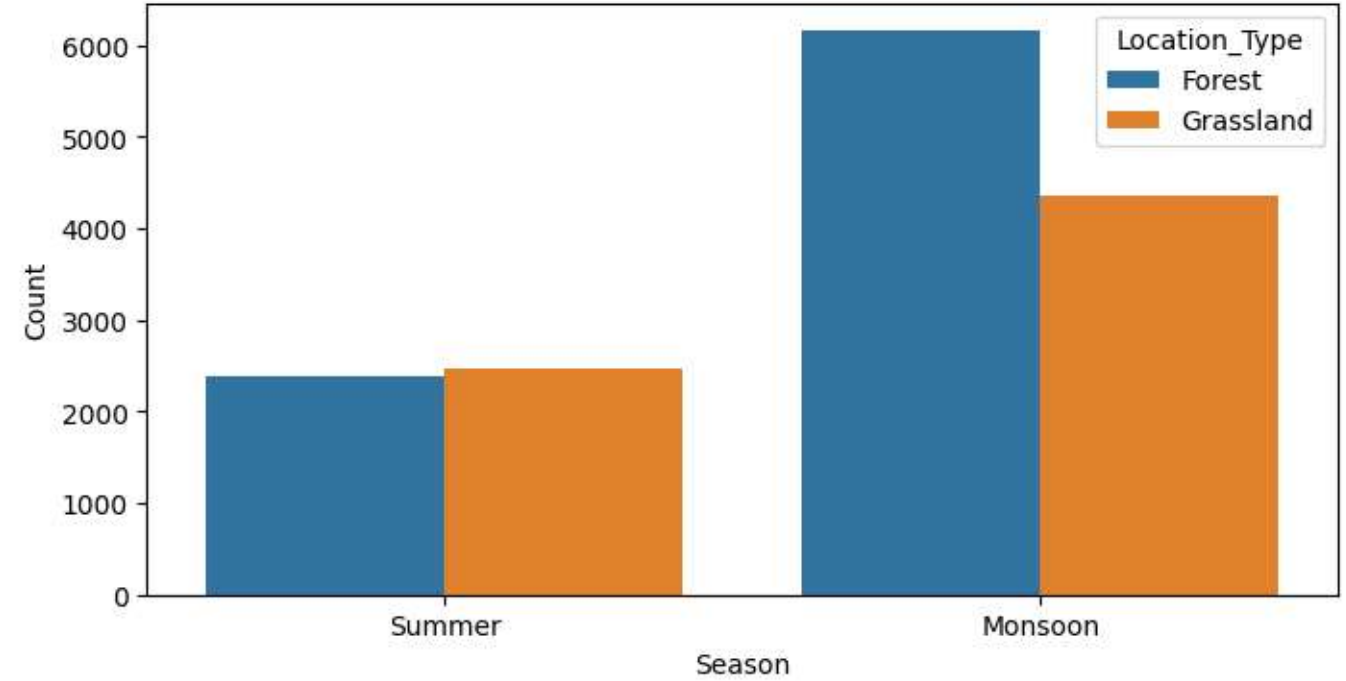
Bird Species Observation Analysis

- **Peak Bird Activity Hours**
Bird activity shows noticeable peaks during certain time windows (for example, early morning and late afternoon). This means birdwatching tours, photography sessions, and research observations can be planned at these times to get maximum results.
- **Location Hotspots**
A small set of locations record the majority of sightings, making them prime spots for tourism, conservation projects, and targeted monitoring efforts.
- **Species-Specific Locations**
Some bird species appear predominantly in certain areas. This can guide eco-tour operators or wildlife photographers to promote “species-specific” packages.
- **Weather Impact on Activity**
Temperature and humidity influence bird sightings. Planning events or field studies during favorable weather conditions can improve success rates.
- **Seasonal Trends**
Different species are more visible in different seasons, creating opportunities for seasonal tourism marketing and migration studies.
- **Rare Species Alerts**
Species with low occurrence rates might be rare or endangered, signaling a need for conservation action and creating awareness campaigns.

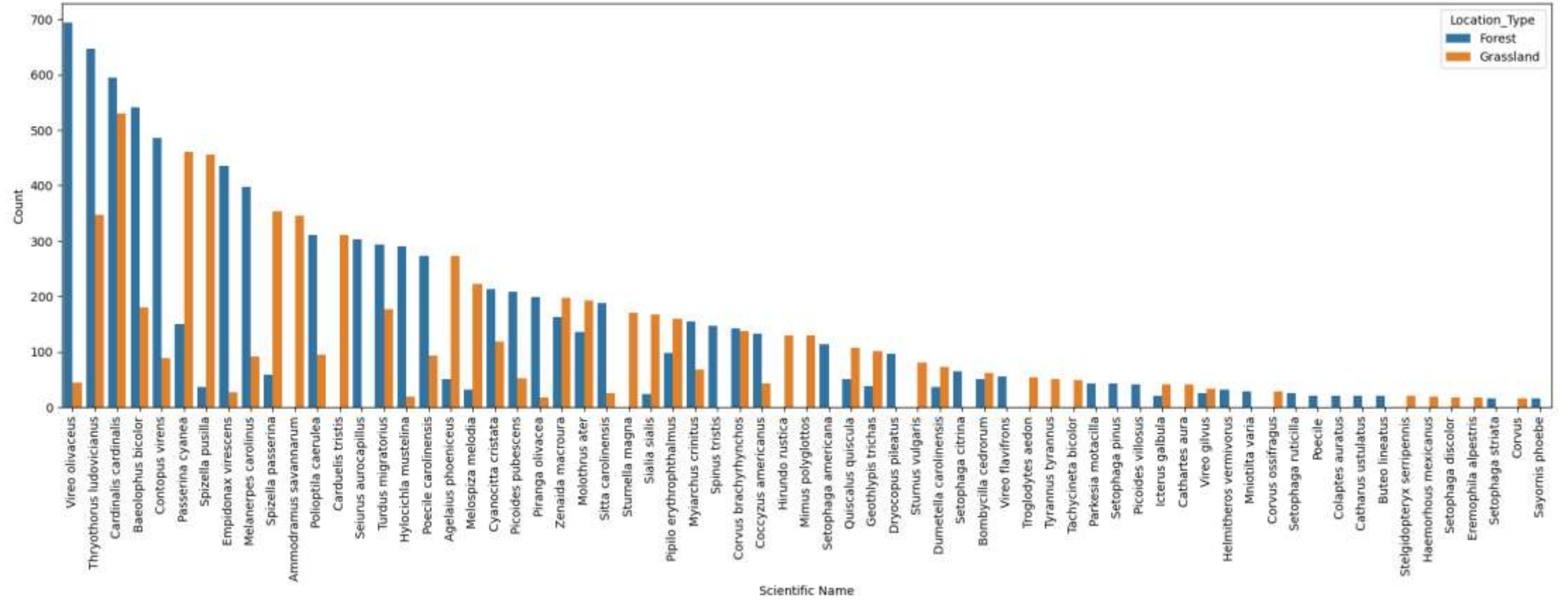
Pie chart of Location wise Habitat

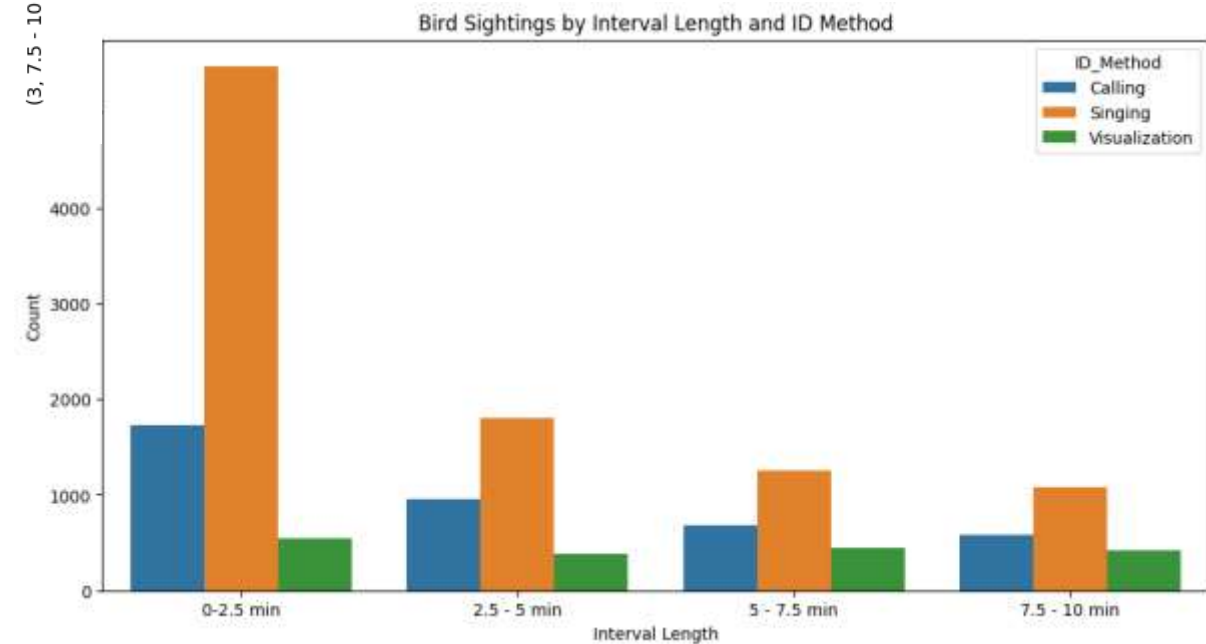
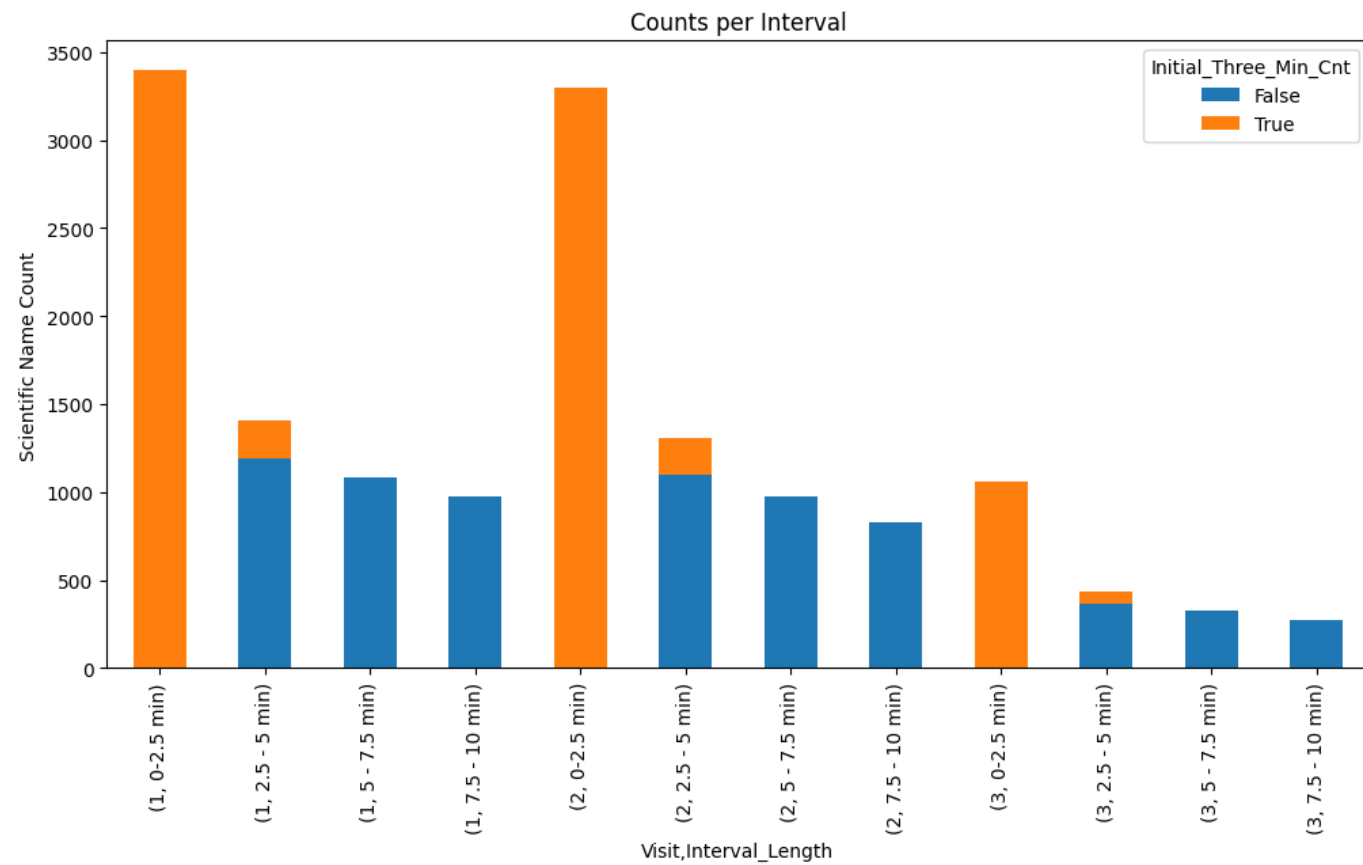


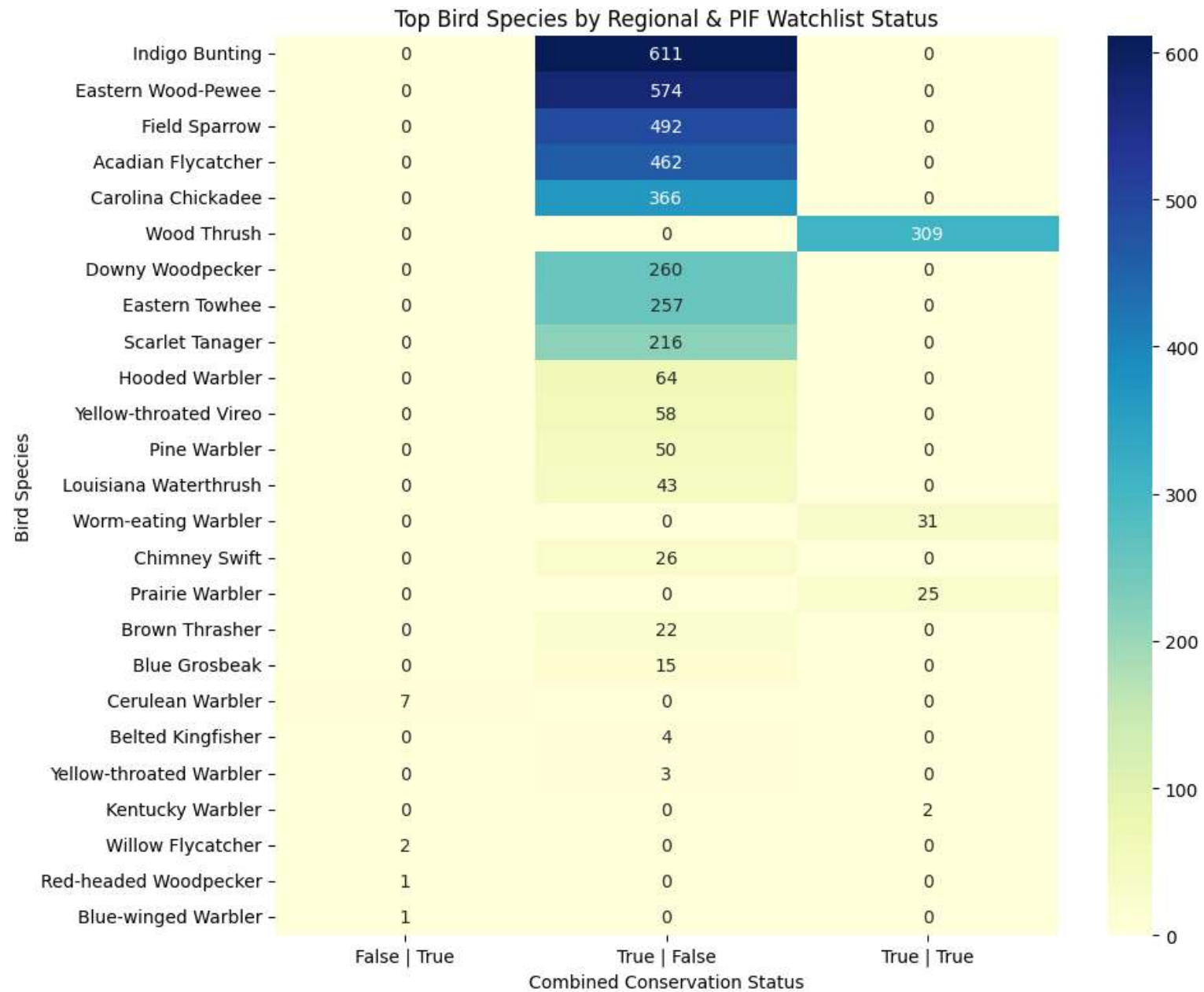
Season-wise Distribution

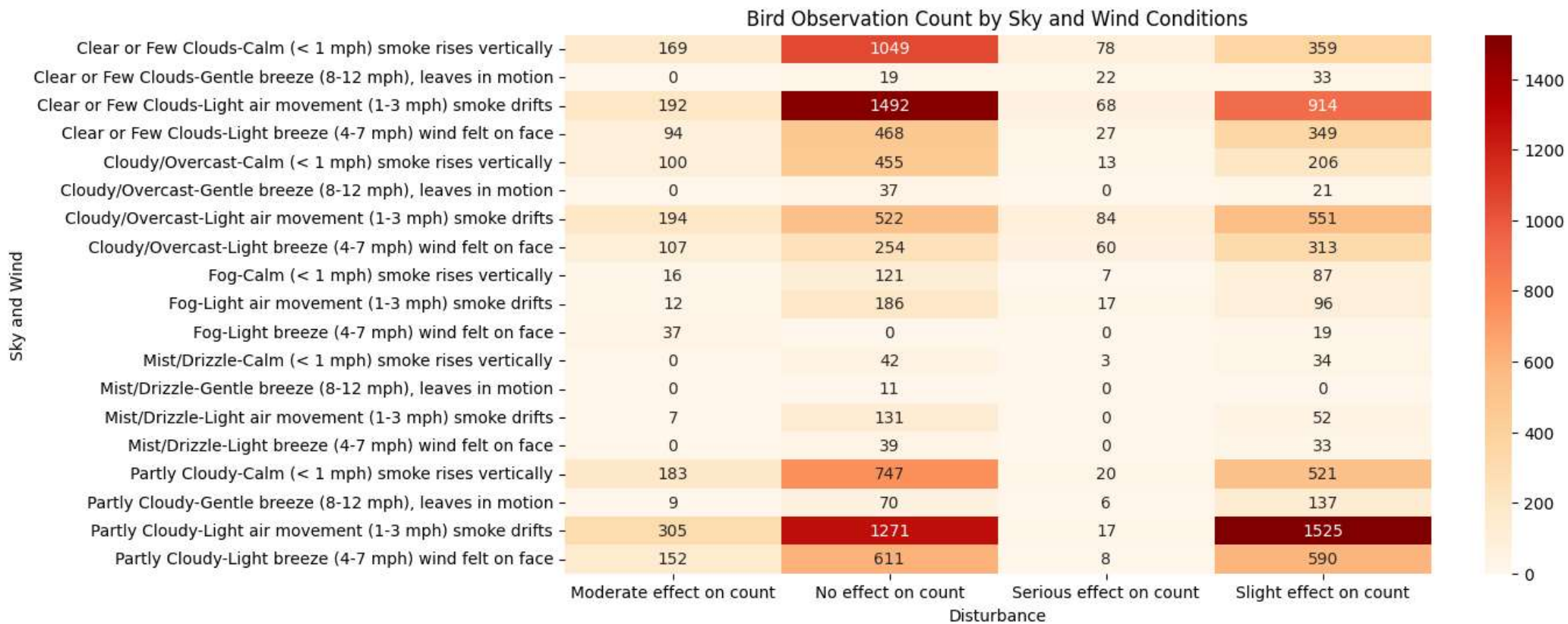


Location wise Bird View

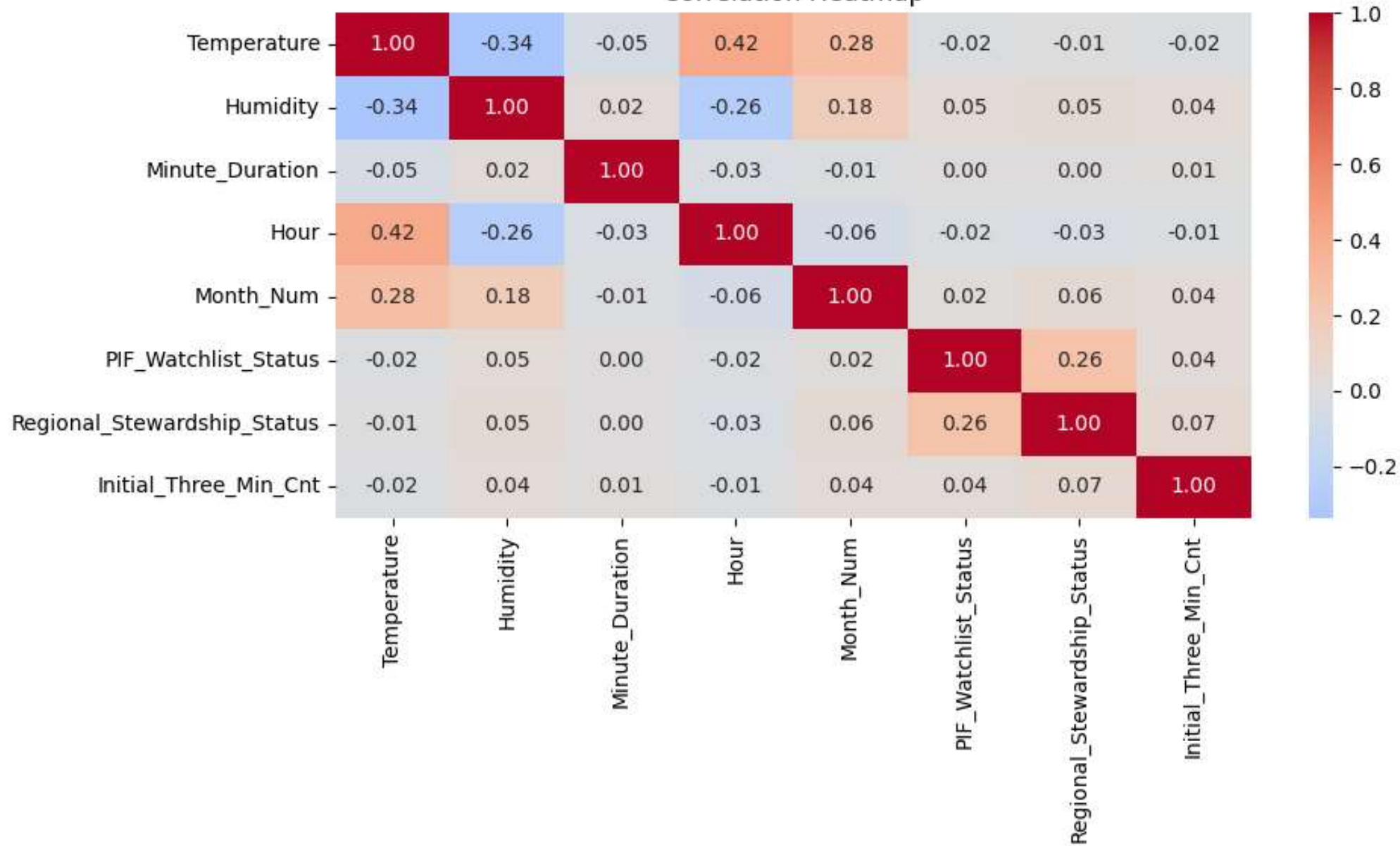


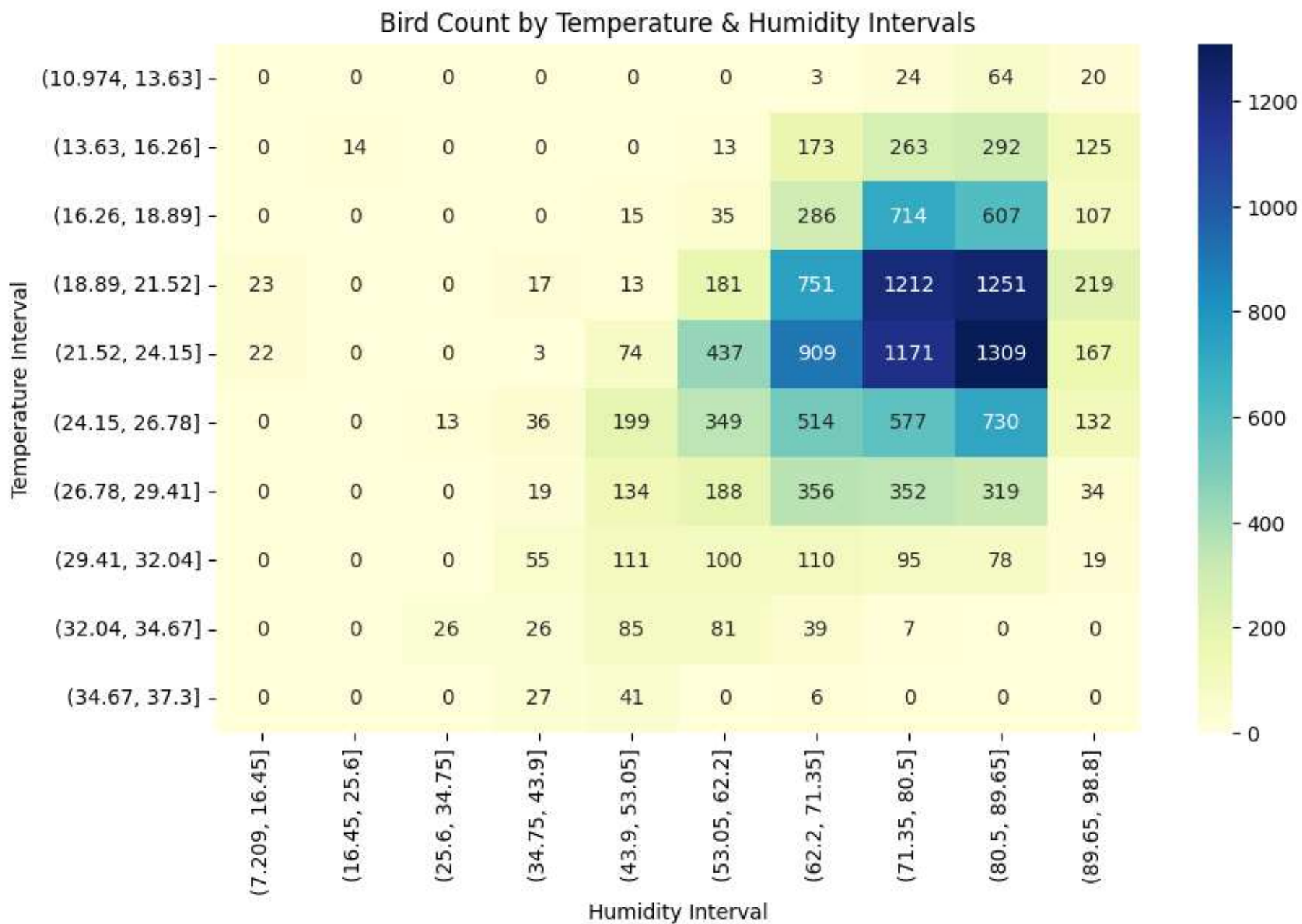




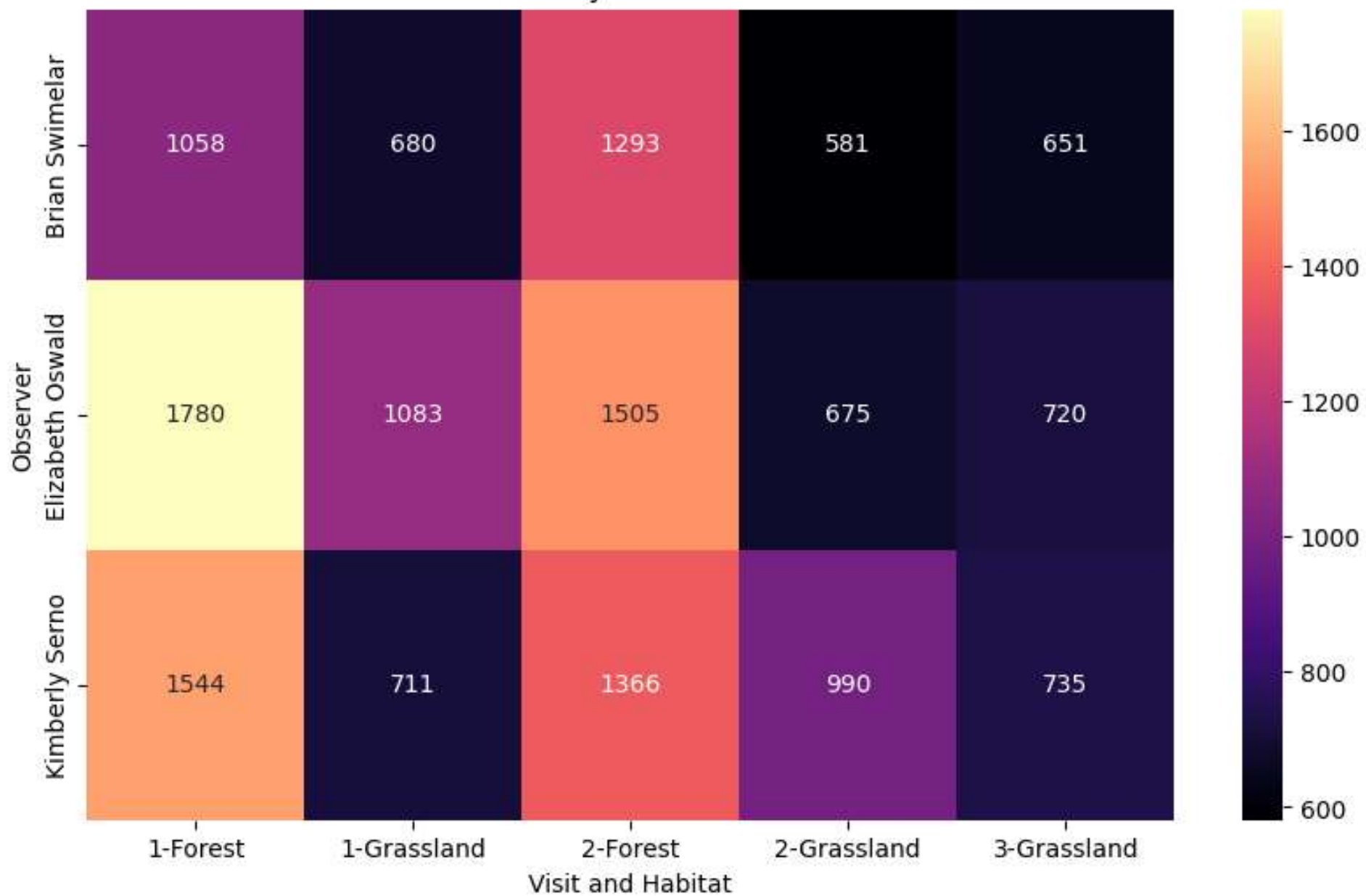


Correlation Heatmap

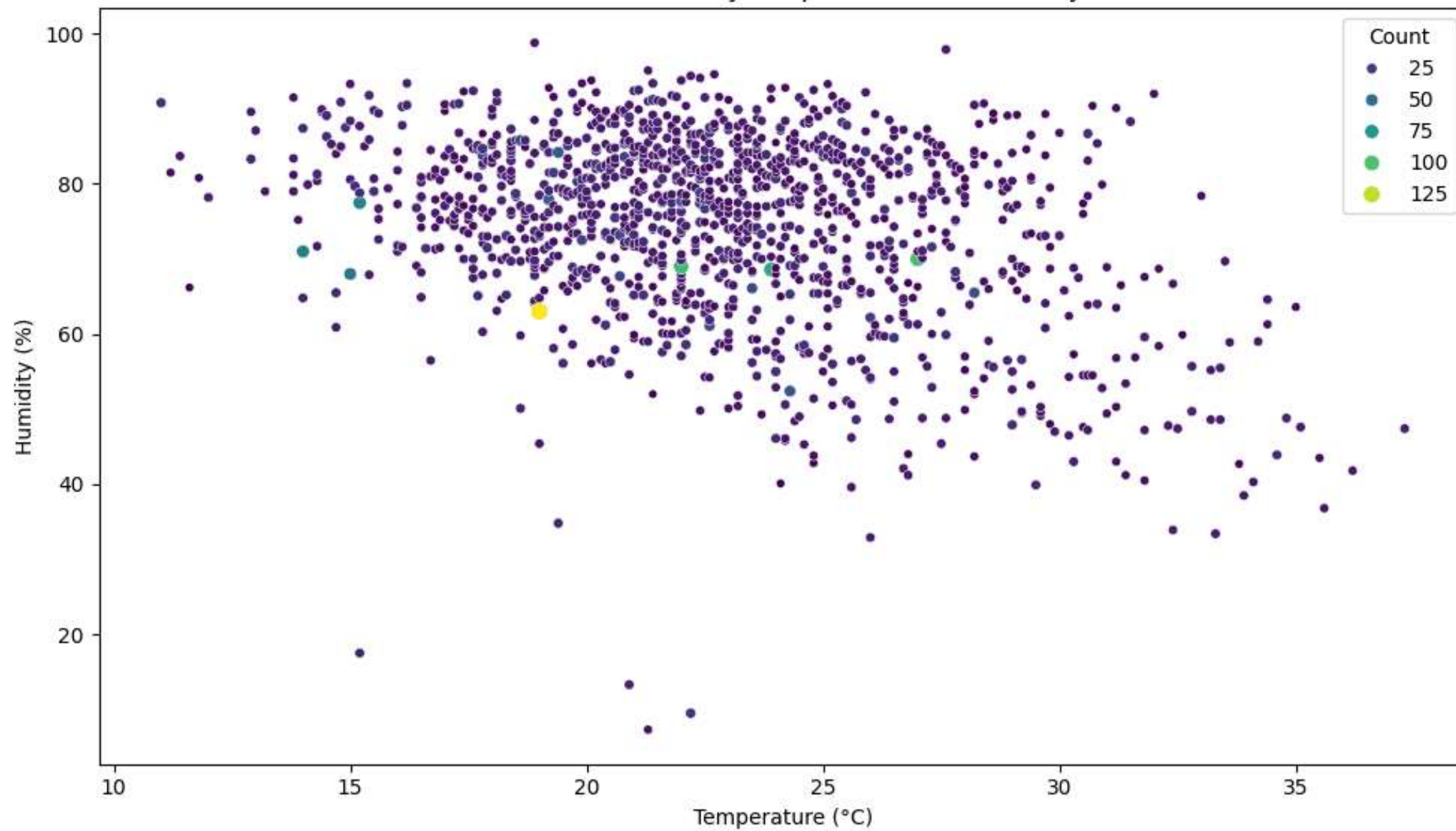




Bird Count by Observer & Visit



Bird Observations by Temperature and Humidity



Conclusion

- Peak activity periods identified – Early morning and late afternoon are the best times for bird observation and related tourism or research efforts.
- Key biodiversity zones – Specific areas contribute the majority of sightings, making them priority locations for conservation and eco-tourism investment.
- Weather-sensitive patterns – Optimal bird activity occurs under mild temperature and moderate humidity, helping plan fieldwork schedules.
- Location-specific species – Many species are tied to unique habitats, requiring targeted protection strategies.
- Seasonal migration evidence – Clear seasonal shifts in species presence indicate migration patterns that can guide habitat connectivity projects.
- At-risk or rare species – Low frequency sightings highlight species that may need urgent monitoring and conservation support.