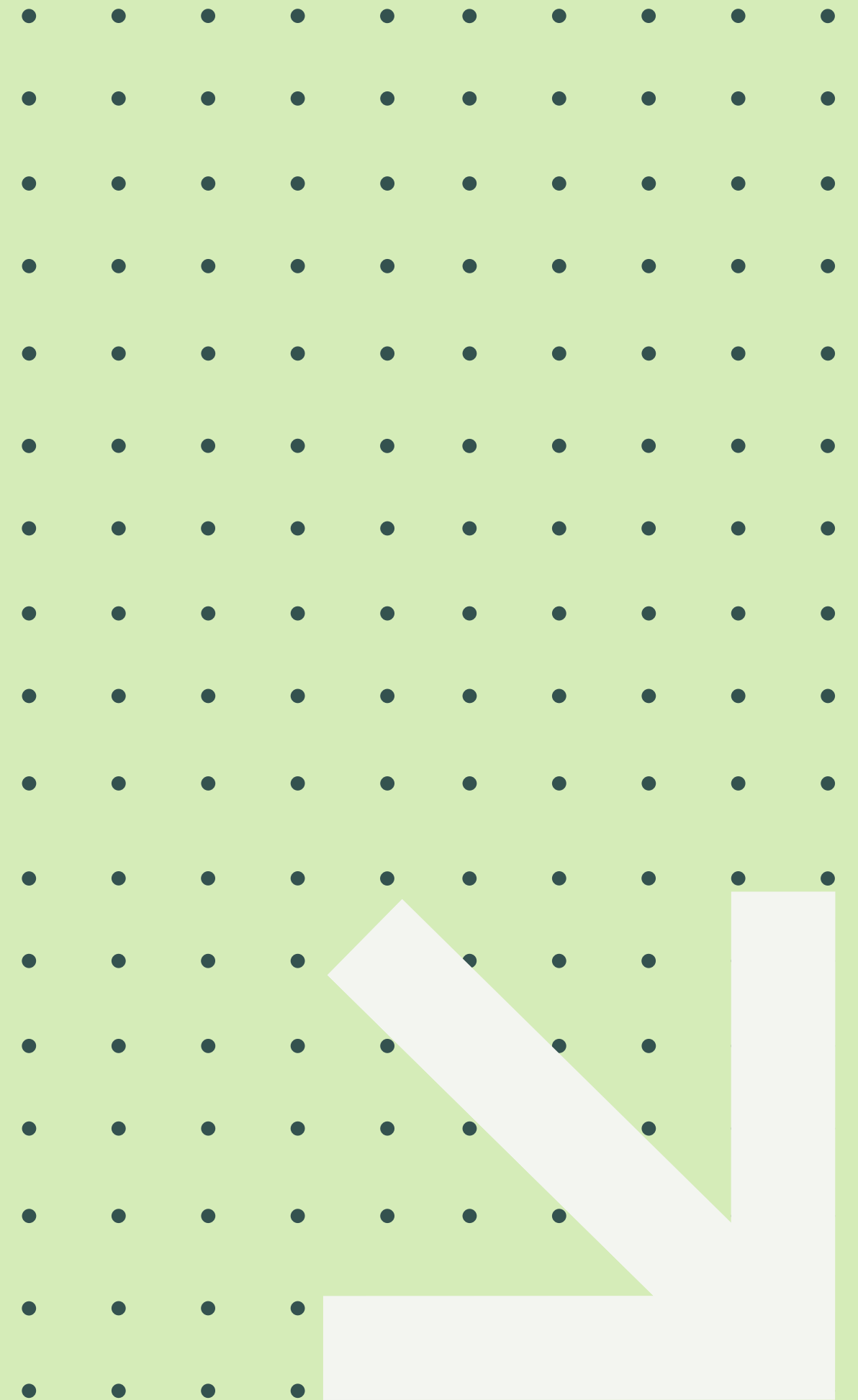


Exploring Animal Species and Observations: Insights and Findings

Pavlo Baranchuk



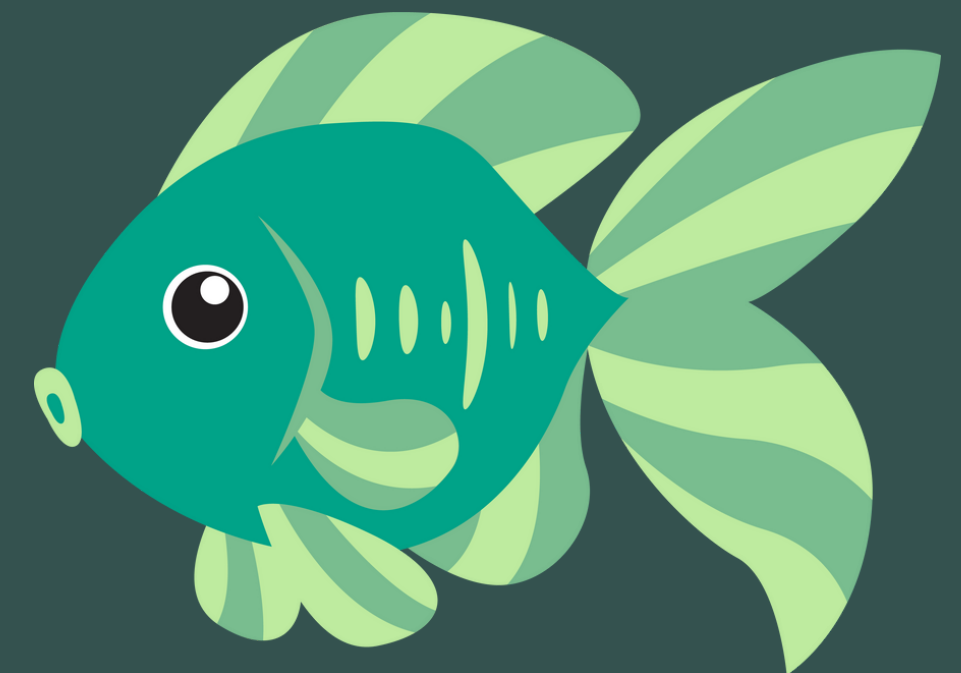
OUTLINE



1. Introduction.
2. Data Description.
3. Conservation Status Significance.
4. Recommendation.
5. Species Spotted at Parks: Discuss the findings on which species were spotted the most at each park.
6. Conclusion: Summarize the findings and offer final thoughts on the importance of conservation efforts for endangered species.

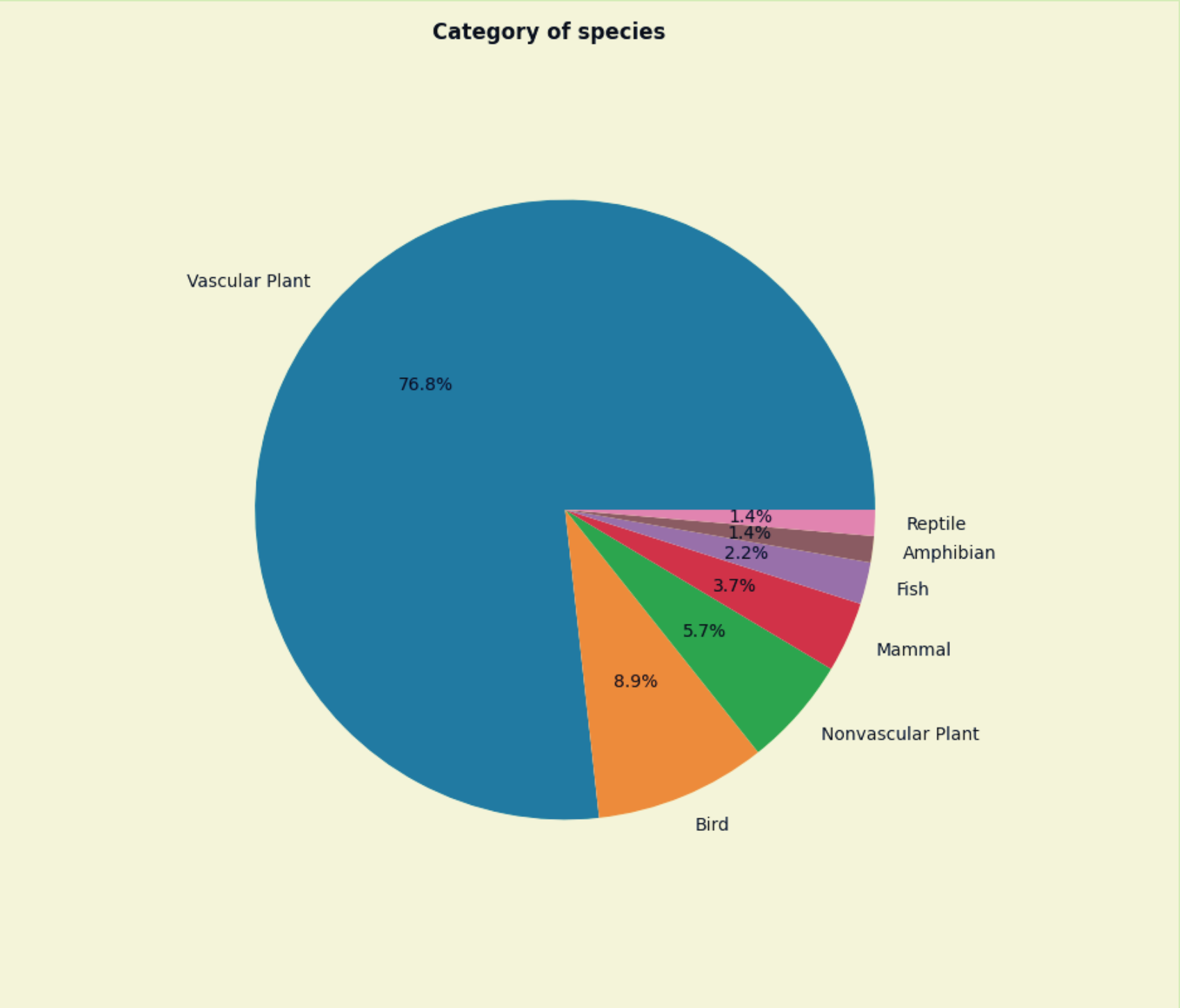
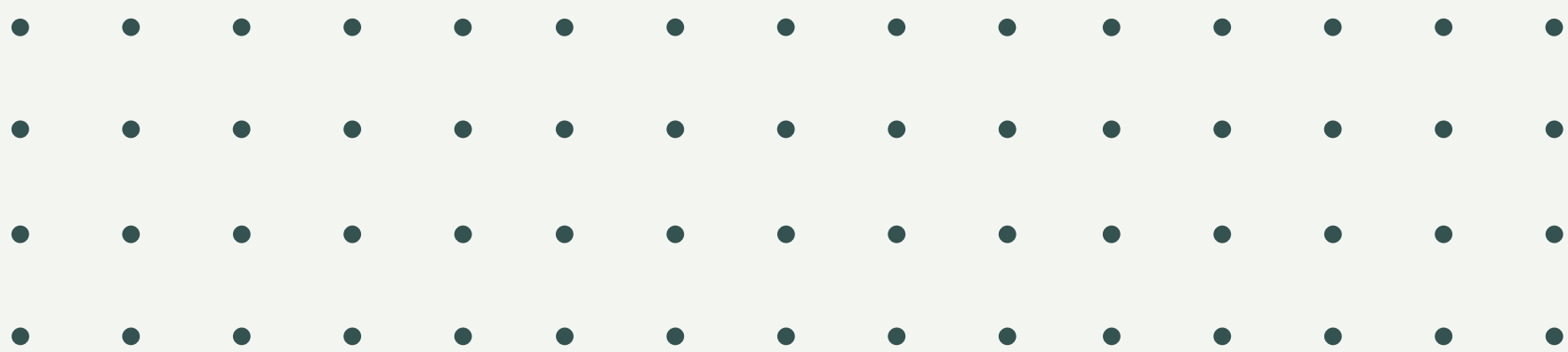
INTRODUCTION

WELCOME TO THE PRESENTATION ABOUT CONSERVATION STATUS OF SPECIES AND ITS SIGNIFICANCE. THIS PRESENTATION AIMS TO PROVIDE AN OVERVIEW OF THE DATA IN SPECIES_INFO.CSV AND THE SIGNIFICANCE CALCULATIONS DONE TO ANALYZE THE ENDANGERED STATUS BETWEEN DIFFERENT CATEGORIES OF SPECIES. THE PRESENTATION WILL ALSO PROVIDE RECOMMENDATIONS FOR CONSERVATIONISTS CONCERNED ABOUT ENDANGERED SPECIES AND A CONCLUSION SUMMARIZING THE FINDINGS.



Data Overview: Understanding Species Information

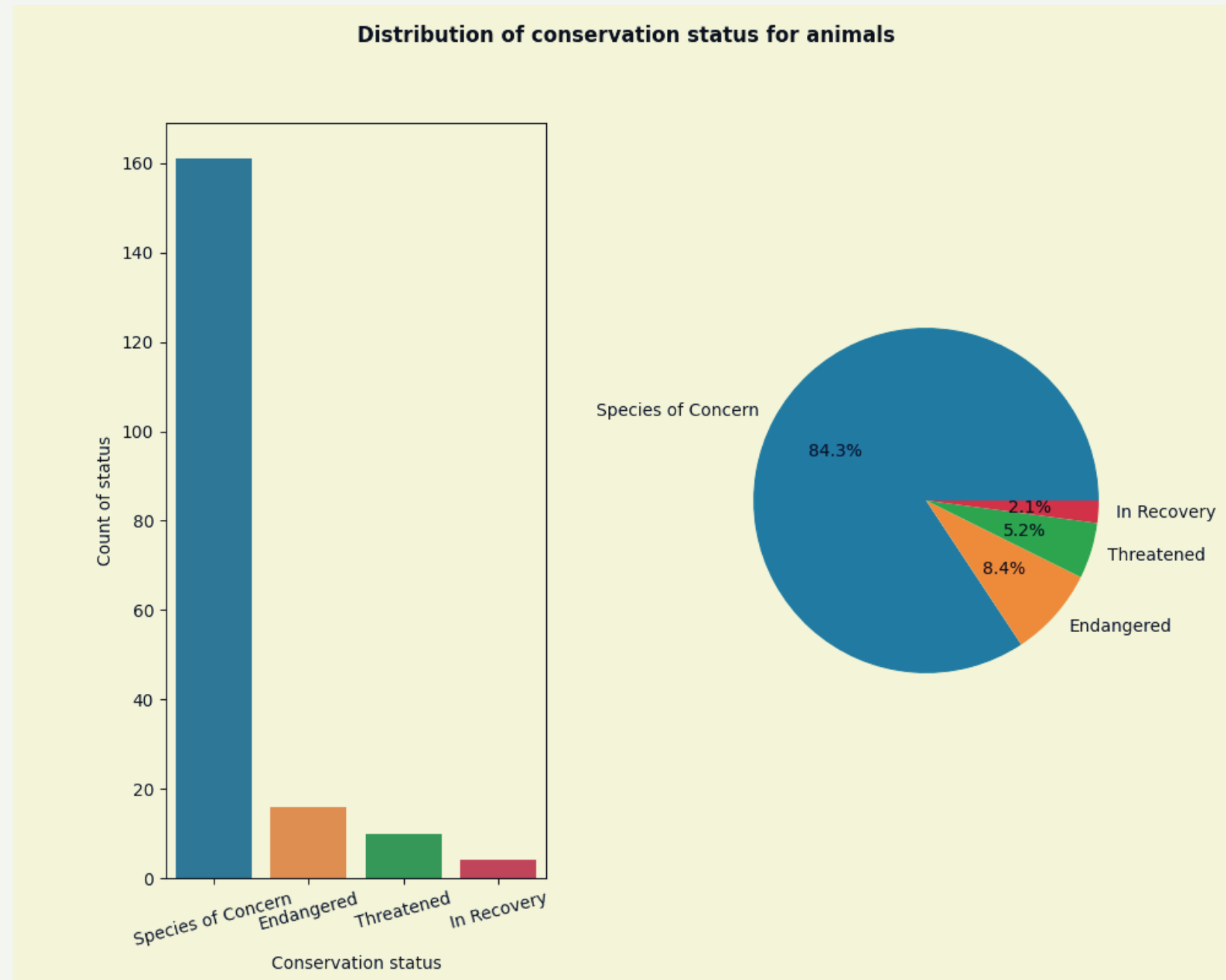
In this section, we will take a closer look at the data in the `species_info.csv` file. Our dataset contains information on different species of animals, including their category, scientific name, common name, and conservation status. After conducting some initial exploration and analysis, we discovered that the majority of the species in our dataset are Vascular Plants, followed by Birds and Nonvascular Plants. Meanwhile, there are fewer species of Mammals, Fish, Amphibians, and Reptiles in the dataset.



ASSESSING ENDANGERED STATUS BY SPECIES CATEGORY

In this section, we will explore the relationship between the conservation status of different species and their respective categories. To do this, we conducted significance calculations using the chi-squared test of independence.

Species of Concern has the highest likelihood. Mammals have the greatest chance of being Endangered. Additionally, birds have a significant probability of being categorized as Species of Concern and In Recovery. However, the other categories do not have a significant chance of being in Recovery. Fish have the highest likelihood of being classified as Threatened

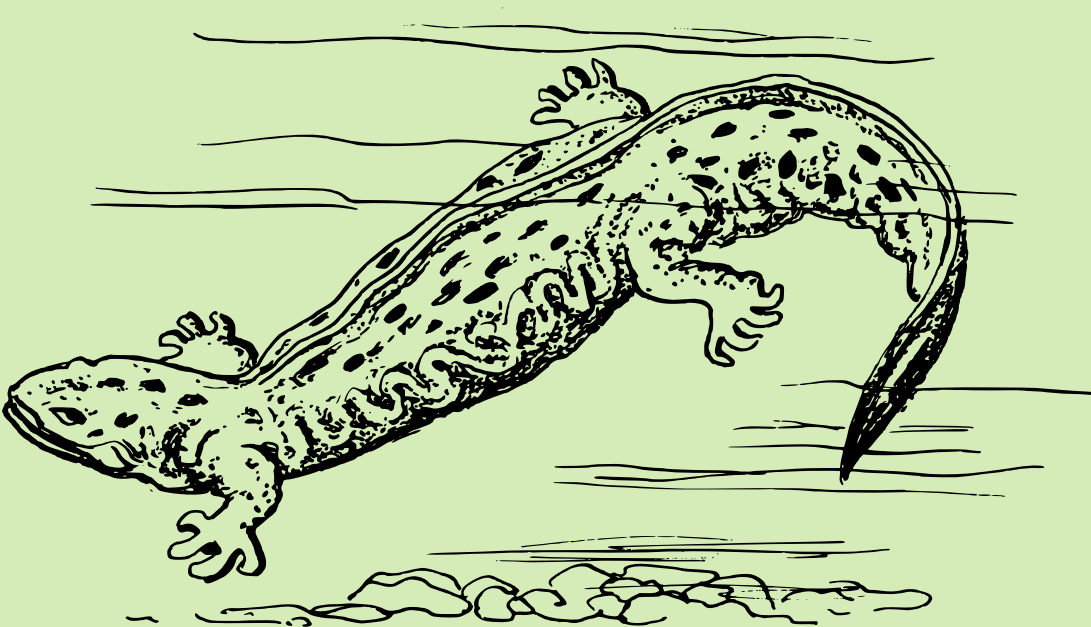


Based on the significance calculations, it is recommended that conservationists focus their efforts on Species of Concern and Endangered Mammals. Additionally, they should pay attention to Species of Concern and In Recovery birds. It is also important to note that fish have a high probability of being Threatened.

Based on our significance calculations, it is important to pay close attention to amphibians, as they have a high probability of being in Species of Concern and not in Recovery. This suggests that this specie may need increased conservation efforts to prevent further decline and improve their chances of survival.

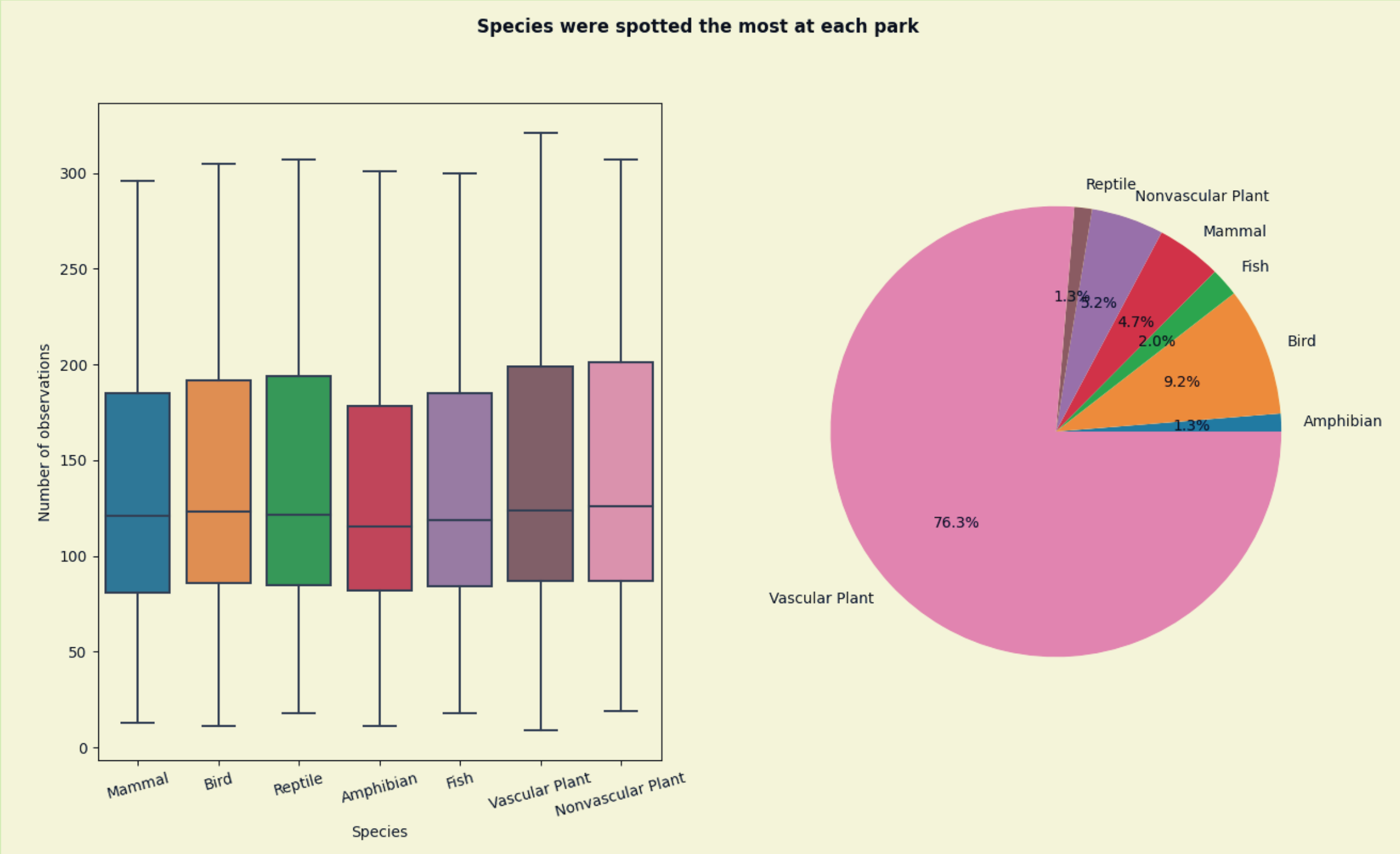
However, other categories like reptiles and vascular plants were not found in the Recovery category but were still in Species of Concern.

RECOMMENDATIONS FOR CONSERVATION EFFORTS TO PROTECT ENDANGERED SPECIES



THE MOST SPOTTED SPECIES AT NATIONAL PARKS

They can feel disoriented and frightened by the chaos brought by natural disasters. There are various ways to calm animals and lessen their anxiety. You may try any of the following methods.



CONCLUSION

In this study, we analyzed the distribution of conservation status for different species and calculated the significance of the differences between species and their conservation status. Our findings indicate that mammals are the most likely to be endangered, while birds have a high probability of being Species of Concern or in Recovery. Furthermore, we found that Amphibians and Vascular Plants are in Species of Concern but not in Recovery, and therefore require special attention from conservationists. The results showed that Vascular Plants were the most frequently spotted species, while Amphibian and Reptile were the least. Despite the differences, the mean and distribution of species at each park were found to be similar.

Overall, this study provides valuable insights into the distribution of conservation status among different species and highlights the importance of paying attention to certain species that are more likely to be endangered or in Species of Concern. These findings can inform future conservation efforts and help ensure the protection and preservation of a diverse range of species.

