



# BIODIVERSITY IN NATIONAL PARKS

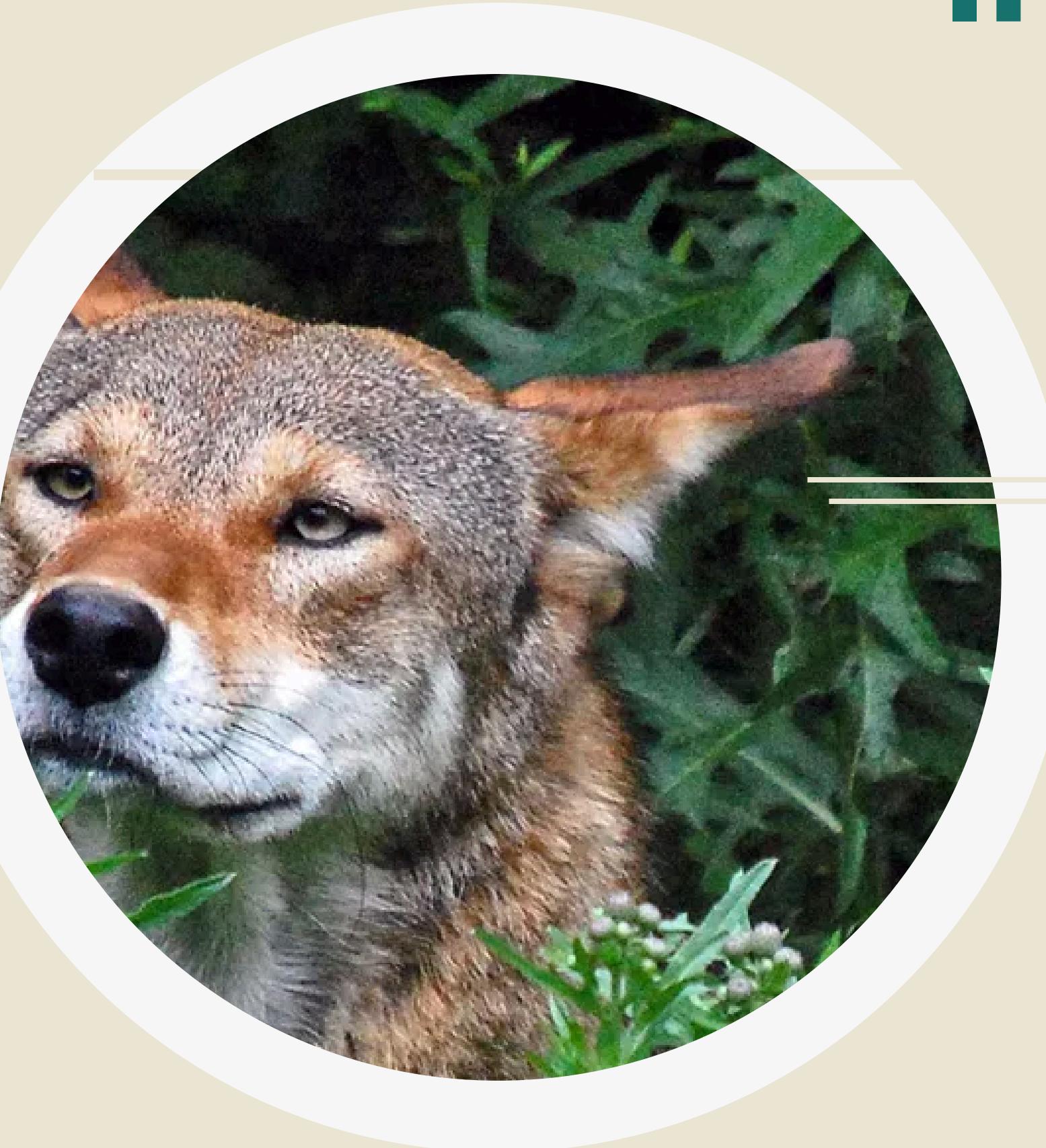
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● PROJECT 3

# INTRODUCTION

BIODIVERSITY IN NATIONAL PARKS



- 01** Dataset about plants and animal species obtained from the American National Park Service
- 02** Our primary analysis focuses on the population of endangered species in the parks.
- 03** Endangered species are those that are in danger of extinction throughout all or a significant portion of their range.

# INSPIRATION & PURPOSE

BIODIVERSITY IN NATIONAL PARKS

**01** We understand the importance of biodiversity and our role in preserving it

**02** Expand our knowledge in the distribution of species in our national parks

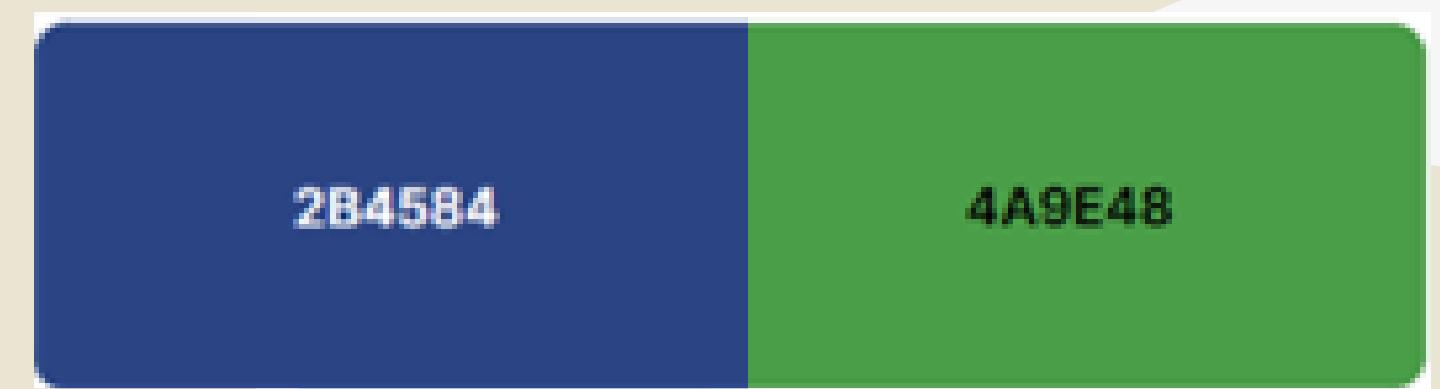
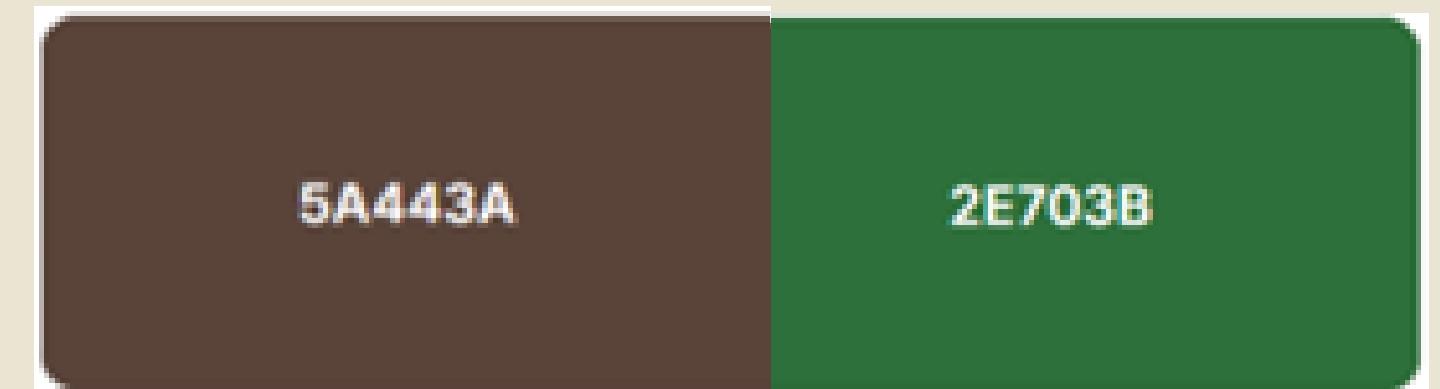
**03** Investigate current statuses of endangered species

**04** Compare elements such as size, distribution of species, and parks per state around the country.



# DESIGN CONCEPTS

BIODIVERSITY IN NATIONAL PARKS



# RESEARCH QUESTIONS

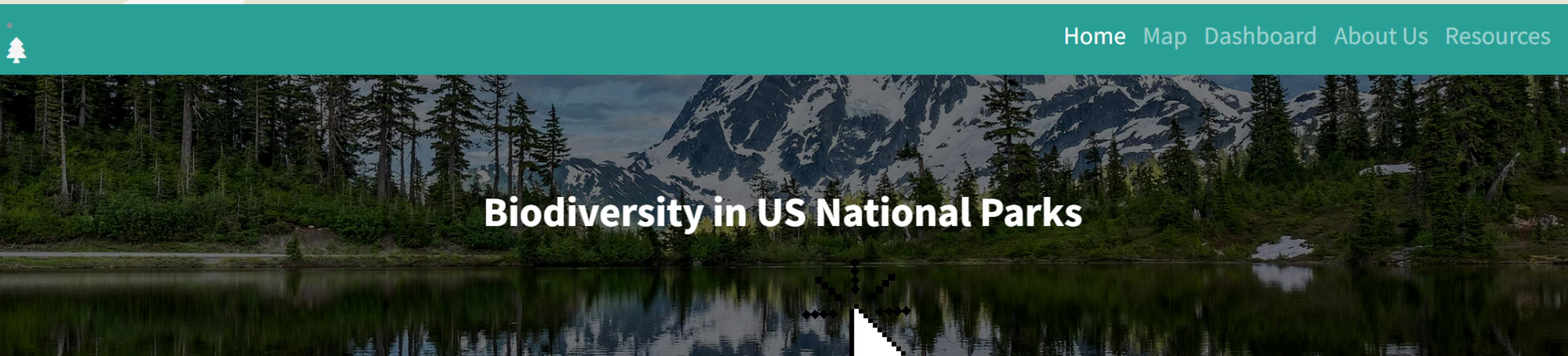
## BIODIVERSITY IN NATIONAL PARKS

- Where are the national parks located in the US?
- Which states have the most endangered species?
- Is there any correlation between the number of endangered species and the park's size?



# CHECK OUT OUR WEBSITE!

BIODIVERSITY IN NATIONAL PARKS



**Biodiversity in US National Parks**

This website explores biodiversity in the National Parks in America, using data from the National Park Service species survey in 2016. These analyses focus on the number of endangered species in each park.

Home Map Dashboard About Us Resources



# CONCLUSIONS

## BIODIVERSITY IN NATIONAL PARKS

- 01** For the most part, the number of endangered species has increased over the years.
- 02** There is no direct correlation between size of the park and quantity of endangered species. This can be researched using the filters and bubble chart on our website Dashboard.
- 03** In the US alone, there are a lot of different endangered species! National Parks provide a safe place for preservation of these creatures.

# LIMITATIONS

## BIODIVERSITY IN NATIONAL PARKS

01 This particular dataset does not include all of the parks in the US.

02 The national parks do not necessarily include all of the species in each state, so our results are inconclusive.

03 Our analysis focused on endangered species, but including other conservation status labels could change our perception of these parks.

04 We would need more data on climate and habitat to study individual species more in depth.



# FUTURE WORK

## BIODIVERSITY IN NATIONAL PARKS

SEE WHAT YOU CAN DO TO FURTHER CONSERVATION EFFORTS WITH THESE ORGANIZATIONS



LEAVE  
NO TRACE

- 01 Continuously update the data to ensure the proper follow-up from future analysts
- 02 Include analysis over time to be able to compare the statistics and results.
- 03 Analyze more variables such as climate data, environmental factors, and human effects on habitats.
- 04 Call to action: see our website Resources page for conservation recommendations.

# THANK YOU

FOR YOUR ATTENTION

