

Biodiversity for the National Parks

Codecademy Capstone

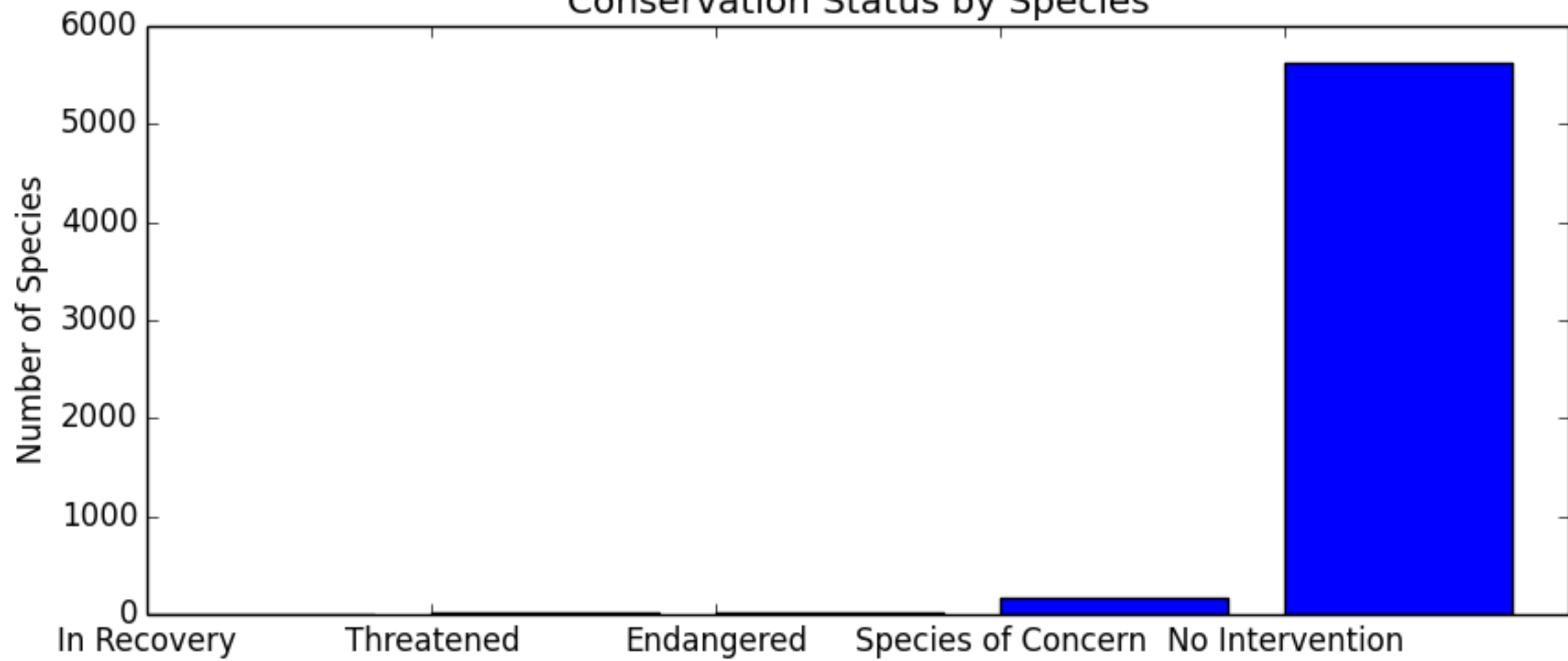
Species in National Parks

- There are 5541 unique species in the National Parks
- 98.6% of them do not require conservation intervention
- 15 species are at serious risk
- Four are in recovery

Endangered Species

Category	Percent Protected
Amphibian	8.86%
Bird	15.37%
Fish	8.73%
Mammal	17.05%
Nonvascular Plant	1.50%
Reptile	6.41%
Vascular Plant	1.08%

Conservation Status by Species



Endangered Species Recommendations

- Mammals are statistically more likely to be at risk than reptiles (P value of 0.03)
- Mammals aren't at any greater risk than birds (P value of 0.68)

Foot and Mouth Disease

- 15% of sheep have foot and mouth disease
- Goal is to reduce population by 33% (to 10%)
- For 90% significance, a sample of 890 sheep is needed
- Four weeks of observation at Bryce National Park
- Three weeks of observation at Yellowstone

