Biodiversity Project

Analyzing data about species at various national parks.

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SPECIES AT NATIONAL PARKS

According to the data analysis we have already made from the collected data of all the Nationals Parks in U.S.A. we have clearly understood that from the 7th categories of species as mentioned below, only a small persentage of them are already protected.

No	Category	Not Protected (number of species)	Protected (number of species)	Percent Protected
1	Amphibian	72	7	0.08
2	Bird	413	75	0.15
3	Fish	115	11	0.08
4	Mammal	146	30	0.17
5	Nonvascular Plant	328	5	0.01
6	Reptile	73	5	0.06
7	Vascular Plant	4216	46	0.01

Not Clearly Documented and Categorized

❖ **The human history all over the world shows us, that there is a significant difference in the protection of species between protected and unprotected.**

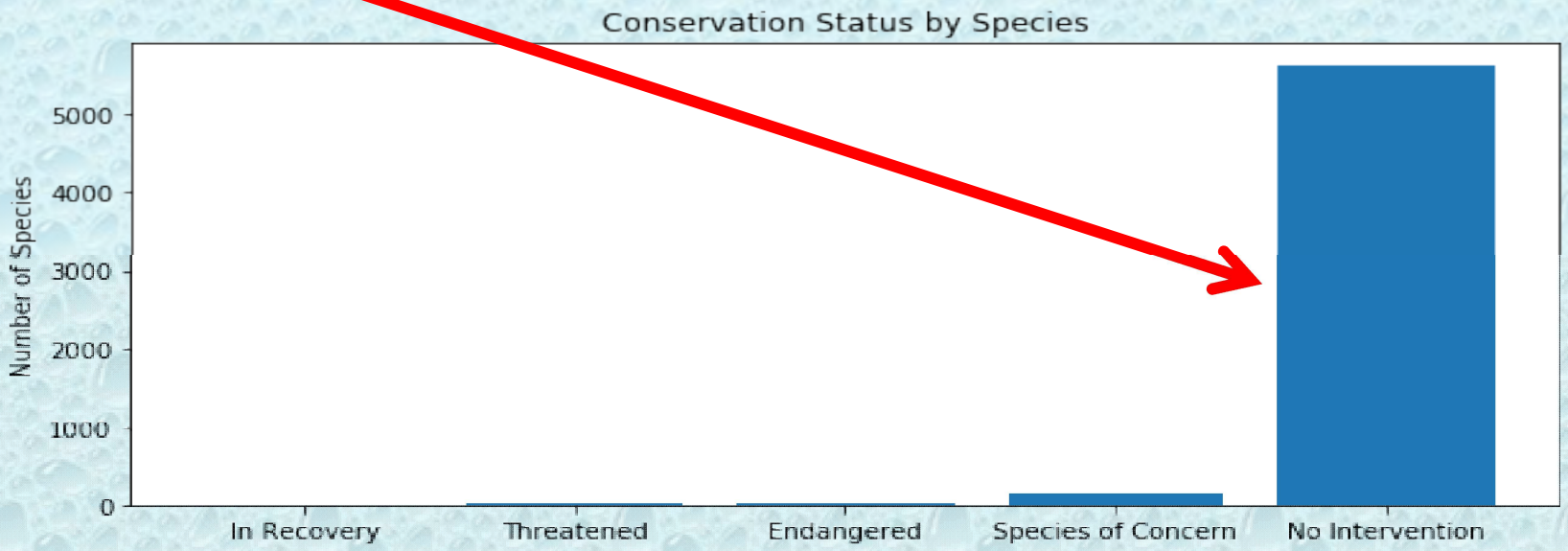
❖ **Unfortunately there is no record for most of them in national parks, as shown below.**

❖**So we can not make proper conclusions about their existence.**

No	Conservation Status	Number of Species
1	Endangered	15
2	In Recovery	4
3	No Intervention	5363
4	Species of Concern	151
5	Threatened	10

Not Clearly Documented and Categorized

The chart below that comes from our data shows very clearly what we really have.



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RECOMMENDATIONS

- We firmly believe that every species in each park must be protected.
- It is impossible with the means we have to record the blessing of extinction of all kinds.
- That's why it is also important for human species to have biodiversity everywhere.

Not only Protection – Take Actions

In the following study carried out in sheep for foot-and-mouth disease we noticed this:

•We know that 15% of sheep at Bryce National Park have foot and mouth disease.

• Park rangers at Yellowstone National Park have been running a program to reduce the rate of foot and mouth disease at that park.

•Below is the total number of sheep observed in each park over the past 7 days.

•We want to be able to detect reductions of at least 5 percentage point.

•By calculating the number of sheep that they would need to observe from each park we have concluded that they needed 2 weeks in Bryce National Park and 1 week at Yellowstone National Park to observe enough sheep.