# Capstone Option 2: Biodiversity for the National Parks

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# Species: describing the data

- Category
- scientific\_name
- common\_names
- conservation\_status

	category	scientific_name	common_names	conservation_status
0	Mammal	Clethrionomys gapperi gapperi	Gapper's Red-Backed Vole	NaN
1	Mammal	Bos bison	American Bison, Bison	NaN
2	Mammal	Bos taurus	Aurochs, Aurochs, Domestic Cattle (Feral), Dom	NaN
3	Mammal	Ovis aries	Domestic Sheep, Mouflon, Red Sheep, Sheep (Feral)	NaN
4	Mammal	Cervus elaphus	Wapiti Or Elk	NaN

#### Species

- How many different species are in the species DataFrame? 5541
- What are the different values of category in species?: 'Mammal', 'Bird', 'Reptile', 'Amphibian', 'Fish', 'Vascular Plant', 'Nonvascular Plant'
- What are the different values of conservation\_status? : nan, 'Species of Concern', 'Endangered',
   'Threatened', 'In Recovery'

## Species: significance calulations

Significant difference between Reptile and Mammal

Yes! It looks like there is a significant difference between Reptile and Mammal!

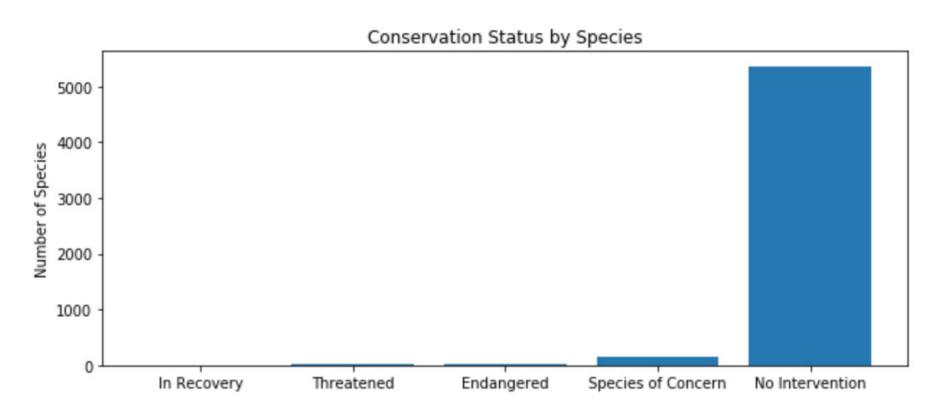
[ 10.7480315, 67.2519685]]))

### Species: a recomendation

- Reptile are more be endareged, so you need put on this category more efforts than an anothers like birds.

Yes! It looks like there is a significant difference between Reptile and Mammal!

## Species: graphs



# Species: graphs

