SHARKS AROUND THE WORLD

Jayner D. Rivera Saldaña

INTRODUCTION

This project deals with the different species of sharks that exist in the world and brings a distribution of incidents that have occurred in recent years and how they have been related. The goal is to see if there is a particular reason why sharks attack or if they are human-induced accidents. I chose the topic of sharks because they are one of the most fascinating and iconic creatures of our oceans, captivating the imagination with their sleek, powerful bodies and often misunderstood nature. As top predators, they play a crucial role in maintaining the delicate balance of marine ecosystems, regulating populations of other marine species and helping to ensure the health of the ocean environment. With a history dating back more than 400 million years, sharks have evolved into a wide variety of species, from the enormous whale shark to the agile hammerhead, each adapted to its specific ecological niche.

PROCESS DETAILS

The process of working on this case of shark attacks was a challenge because it is a worldwide information that involves a concern that we found in the course of the in-depth analysis of how sharks act. In starting this process I used information from the GSAF (Global Shark Attack File) which is a file that has information that records shark attacks such as the species involved, the locations where the accidents occurred and the tragedies. One of the findings that impressed me the most is how over the years shark attacks have increased exponentially from 1900-2015. Apart from that I did a comparison on the scenario of when the incidents are human provoked and unprovoked and it came up with a percentage when the incidents are unprovoked. In more specific details how the male sex is more likely to be involved in an incident or tragedy than the female sex. Another detail that I was able to discover in the process is that sharks are difficult to predict in their movements and actions when attacking.

PROCESS DETAILS

I made this analysis in order to understand well the information on shark attacks, since along the way doubts and frequent questions arose as to why sharks attack even though they are not provoked by humans, but attack because of their hunting instinct, among others. I think this information is valuable because it is an important documentation that we must have when venturing into bodies of water worldwide. I can confirm that I achieved my goal about whether the reason why sharks attack or whether it is caused by humans. Finally, I was able to detail with the information obtained that worldwide sharks attack without being provoked by humans, which leads me to the conclusion in that the shark is somewhat hostile, it has a high degree of hunting instinct and defends its territory. In addition, I was able to learn how important safety at sea is and the dangers that we sometimes ignore or are unaware of.

CONCLUSION

To conclude, the key findings that were found helped me understand the information about shark attacks since the increase in incidents or tragedies is reflected in the last decade. Therefore, it was found that within the species of sharks that were investigated in this analysis, the shark that most predominated in terms of attacks is the Zambezi shark, which is a descendant of the Bull Shark, which is more likely to attack when people swim or surf. In addition to the fact that humans are most likely to be attacked by sharks when they are surfing, most cases of accidents with sharks are reported in the United States.

FUTURE WORKS

I would definitely be interested in working on this type of topic because I would like to cover myself in understanding more about the migration patterns of sharks, the interaction between sharks, social and reproductive behavior. Investigate strategies on implementing protected and restricted marine areas where the use of fishing and exposure to activities are regulated. Study interactions between sharks and humans, including factors that contribute to shark attacks and strategies to reduce associated risks. This could involve researching the chemical and visual cues that sharks use to identify prey, as well as educating the public about the importance of peaceful coexistence with these animals. Awareness campaigns to promote a better understanding and appreciation of sharks, as well as to promote the conservation of these animals and their habitats among the general public, fishermen, politicians and decision makers.

DASHBOARD

https://github.com/jdrivera6/Project-1/blob/8e28334081a82e88f6d2fa68edaf28817891bf10/Dashboard%20Shark.pbix

This is a dashboard showing important details about shark attacks.

SHARKS AROUND THE WORLD

Jayner D. Rivera Saldaña

THANKS FOR YOU ATTENTION