

"Final Report"
Assignment Shark attack
Salam Alsaadi

Sunday 29-09-2022

Questions and answers

- 1) What are the most dangerous types of sharks to humans?

Answer:

According to my analysis, these are the top 4 dangerous types of sharks that led to "fatal end" in the following table:

#	shark specie	count shark <u>deadly</u> attacks per specie	total count <u>deadly</u> attacks	% <u>deadly</u> attacks per specie	total count (all) attacks
1	White Shark	142	1320	10.76	5518
2	Tiger Shark	70	1320	5.30	5518
3	M Shark	60	1320	4.55	5518
4	Bull shark	37	1320	2.80	5518

- 2) Are children more likely to be attacked by sharks?

Answer:

I have calculated the number and percentage of children attacked relative to the total number of all victims mentioned in our dataset.

Number of all victims with fatal incident: 1320
Number of children with fatal incident: 153
Percentage of children with fatal incident: 11.59%

Conclusion:

Children are less likely to be attacked by sharks.

- 3) Are shark attacks where sharks were provoked more or less dangerous?

Answer:

I have calculated the number and percentage of provoked shark attacks which ended fatal relative to the total number of provoked/unprovoked which led to fatal end.

Number of provoked shark attacks which were fatal: 19
Number of all shark attacks which were fatal: 1320
Percentage of provoked shark attacks which were fatal: 1.44%

Conclusion:

Shark attacks where sharks were provoked were less dangerous!

4) Are certain activities more likely to result in a shark attack?

Answer:

I have analyzed all activities to know the significance of certain activities.

These are some results of my analysis, namely top 4 activities:

<i>Activity</i>	<i>Activity Count</i>	<i>All Activities Count</i>	<i>Activity %</i>
Surfing	930	5518	16.85%
Swimming	778	5518	14.10%
Fishing	409	5518	7.41%
Spearfishing	307	5518	5.56%

Moreover, I have found many activities, which contain the name of above-mentioned 4 activities. Thus, I merge those activities with the corresponding activity from this table.

This led to much higher numbers of activities and there weights too.
The following table embodies that:

<i>Activity</i>	<i>Activity Count</i>	<i>All Activities Count</i>	<i>Activity %</i>
Surfing	1210	5518	21.93%
Swimming	998	5518	18.09%
Fishing	669	5518	12.12%
Spearfishing	387	5518	7.01%

Furthermore, my calculations are based on several assumptions I made.
Please see all my assumptions in my assignment Python code.