Shark Attacks To insure or not to insure?

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Project overview

- We are a small insurance company offering life and health insurance policies working in coastal cities of USA, Australia and New Zealand.
- We need data in order to decide who we should insure and who we shouldn't.
- We decided to analyse the data on shark attacks to see which potential clients were at higher risk of being attacked.

What did we do (wrangle, wrangle)

#dropping all the empty rows and columns

#dropping the duplicates

#removing unnecessary columns

#renaming survival column to ‘fatal’

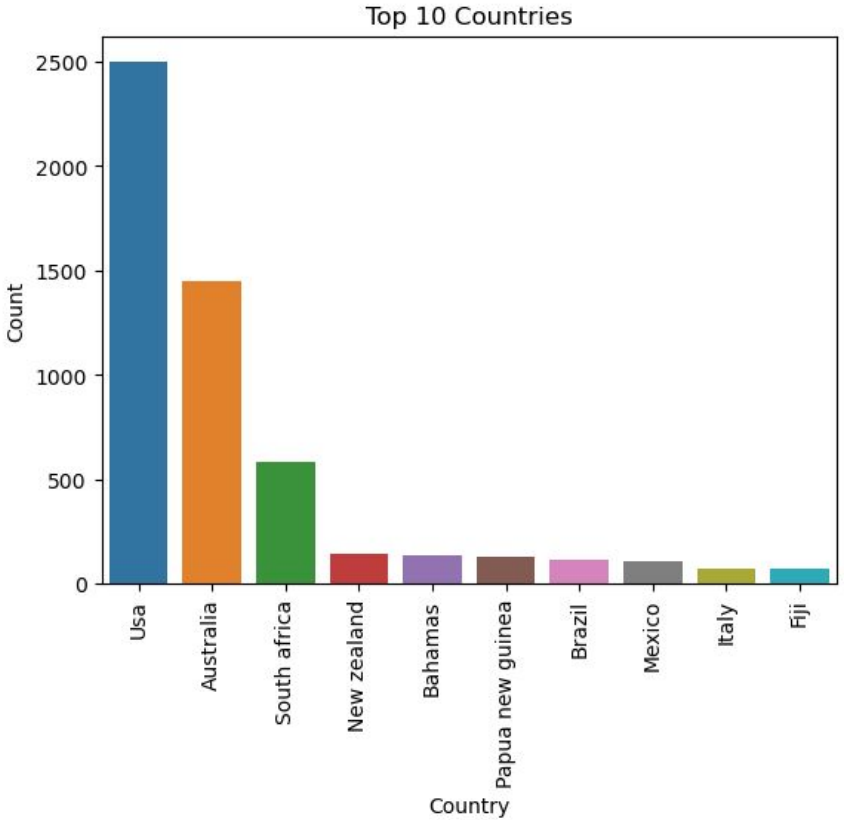
#cleaning the type, sex, country, state, activity, time and age columns

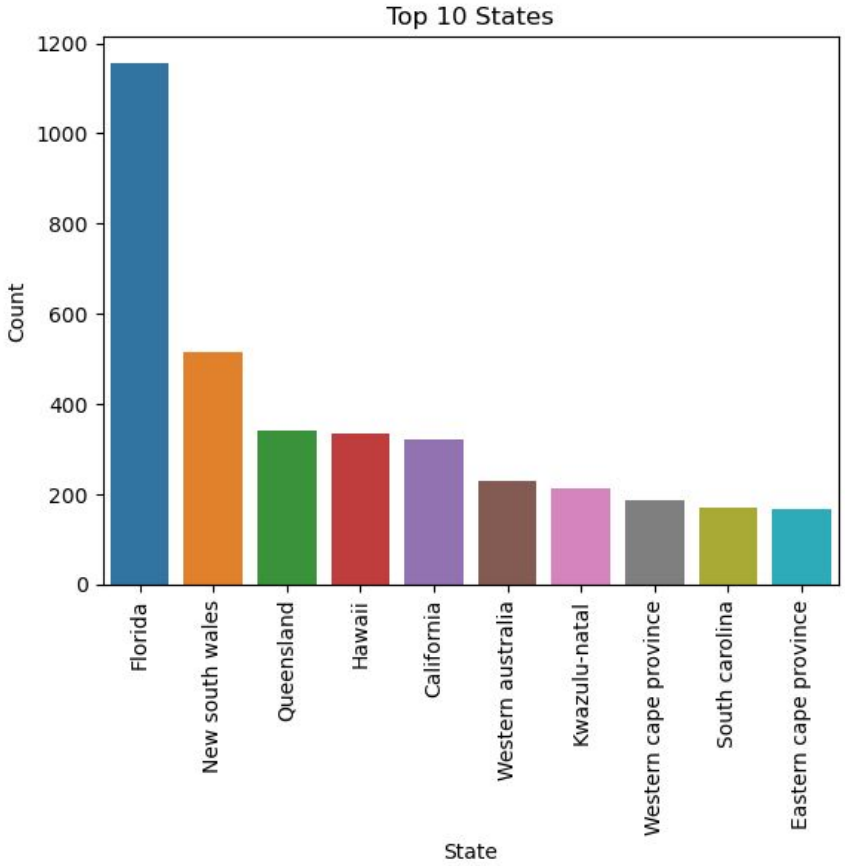
#resetting the index

Challenge

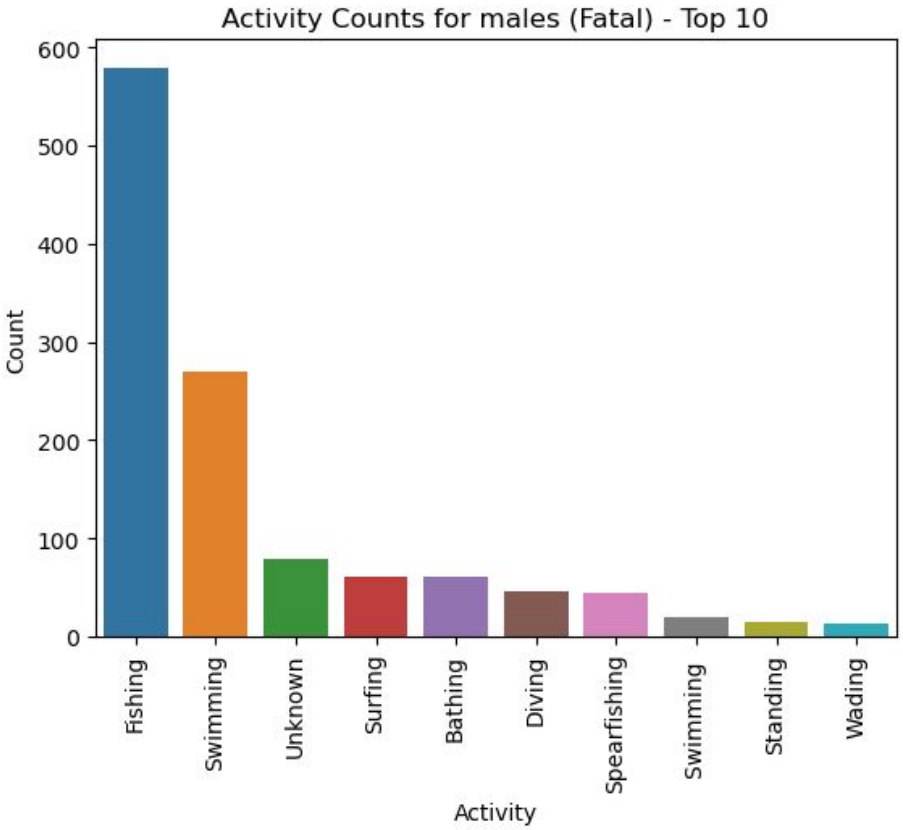
Cleaning the date column

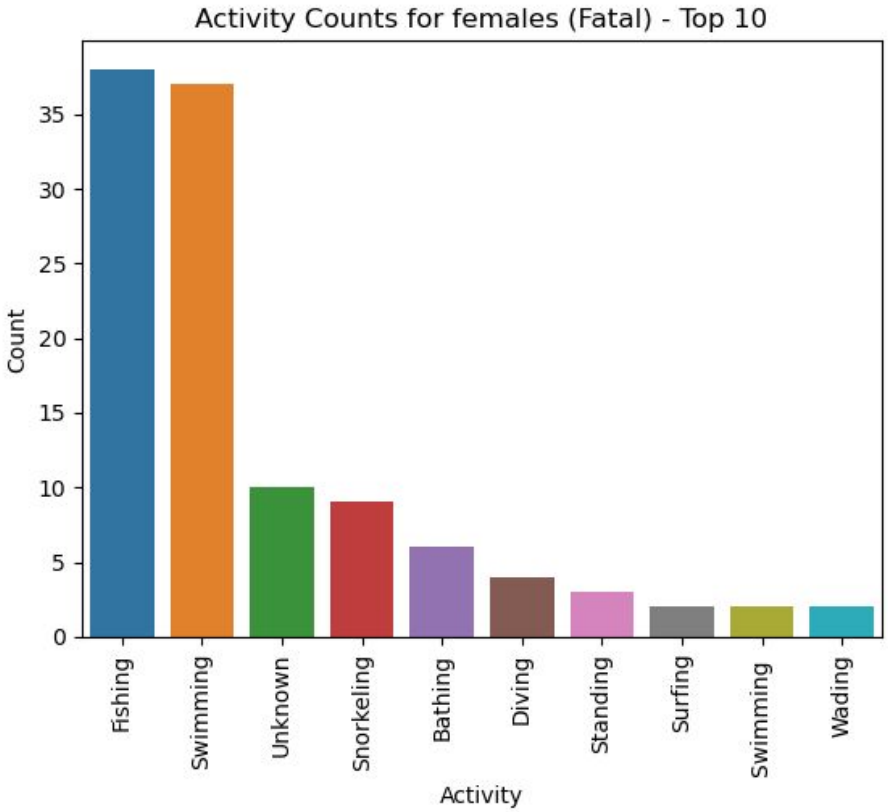
Analyses - Country and State



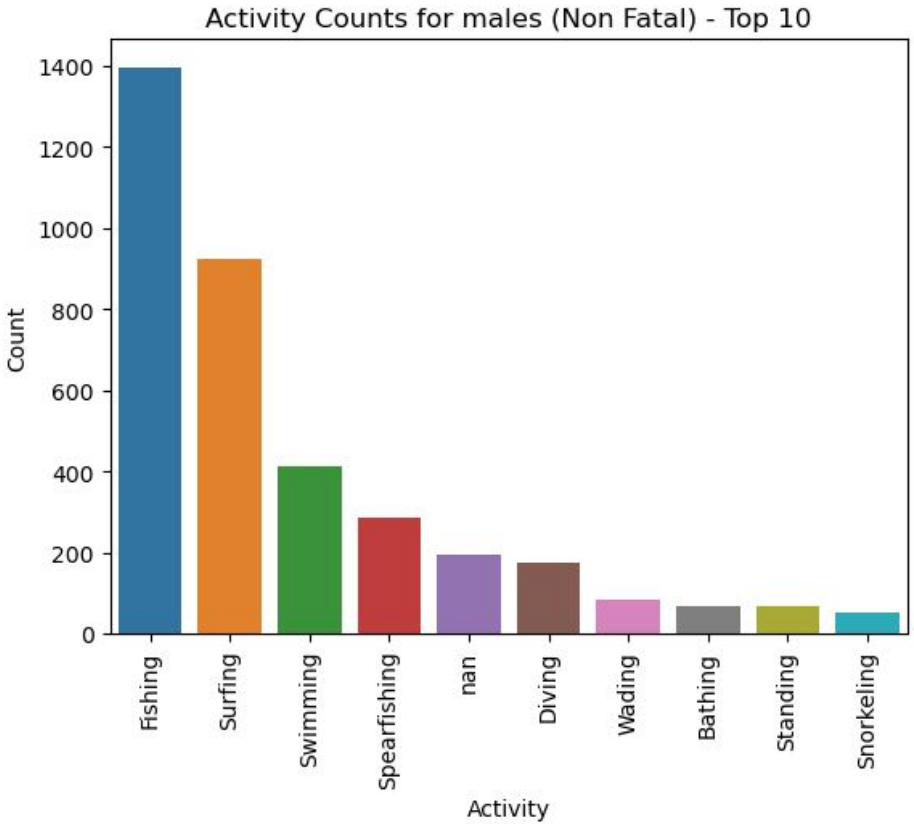


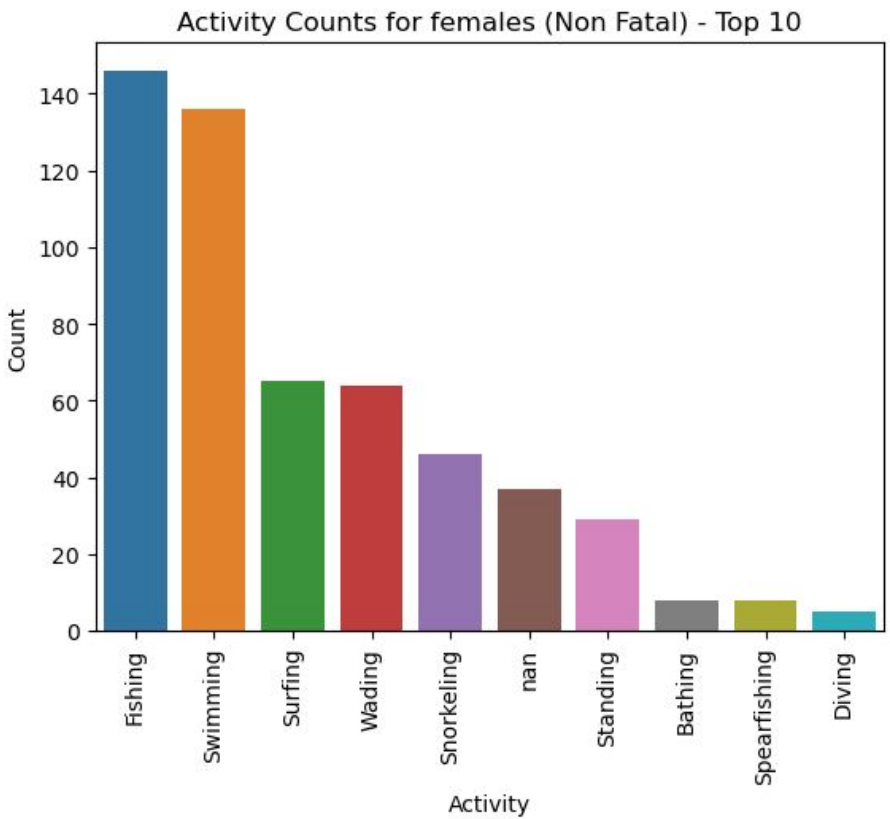
Analyses - Fatal by Gender



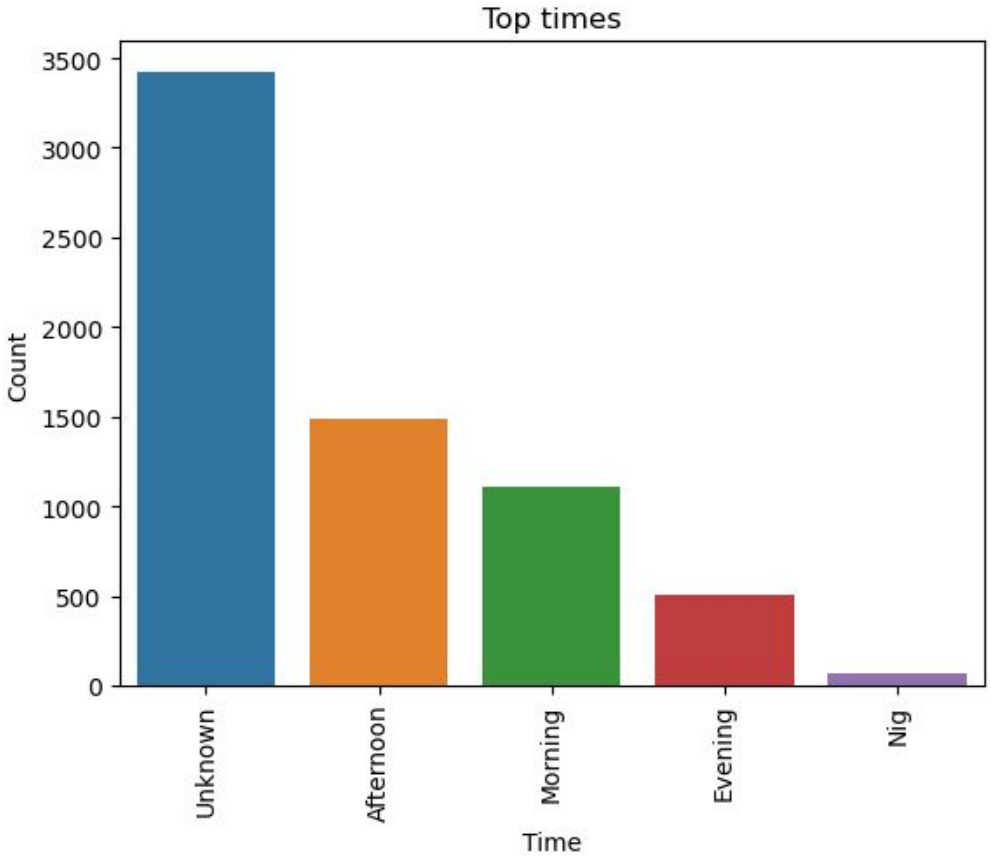


Analyses - Nonfatal by Gender





Analyses - Time of the day



Conclusion

Life Insurance Black list:

Male - Fisherman from Florida, USA, late riser so works in the afternoon

Female - likes open water swimming, lives in New South Wales, Australia, early riser

Health Insurance Black list:

Female or Male : Fisherwoman/man, lives in Hawaii, USA late riser so fishes in the afternoon.

Perfect customer:
Man who wakeboards in New Zealand at night.

Thank you