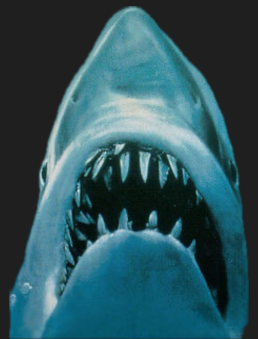
Filmaker Shark Attack

Cristina Puertas

Análisis para una productora de cine Orientado a la localización de los lugares con mayor porcentaje de ataques y menor número de víctimas mortales

Se realiza un análisis a partir de los datos obtenidos en la página web: https://www.sharkattackfile.net/incidentlog.htm



Please note: If you are a returning visitor, refresh this page before downloading the Incident Log. The Log is updated with each new incident.

***Click HERE to download the Incident Log as an Excel File.** Serious researchers are invited to join GSAF and gain access to additional data.*

All individuals survived unless noted otherwise. Entries on the spreadsheet are color-coded.

- **Unprovoked Incidents = Tan**
- **Provoked Incidents = Orange**
- **Incidents Involving Watercrafts = Green**
- **Air / Sea Disasters = Yellow**
- **Questionable Incidents = Blue**

Unprovoked vs. Provoked - GSAF defines a provoked incident as one in which the shark was speared, hooked, captured or in which a human drew "first blood". Although such incidents are of little interest to shark behaviorists, when the species of shark involved is known and pre-op photos of the wounds are available, the bite patterns are of value in determining species of shark involved in other cases when the species could not identified by the patient or witnesses. We know that a live human is rarely perceived as prey by a shark. Many incidents are motivated by curiosity, others may result when a shark perceives a human as a threat or competitor for a food source, and could be classed as "provoked" when examined from the shark's perspective.

Incidents involving watercraft – Incidents in which a boat was bitten or rammed by a shark are in green. However, in cases in which the shark was hooked, netted or gaffed, the entry is orange because they are classed as provoked incidents.

Questionable incidents - Incidents in which there are insufficient data to determine if the injury was caused by a shark or the person drowned and the body was later scavenged by sharks. In a few cases, despite media reports to the contrary, evidence indicated there was no shark involvement whatsoever. Such incidents are in blue.

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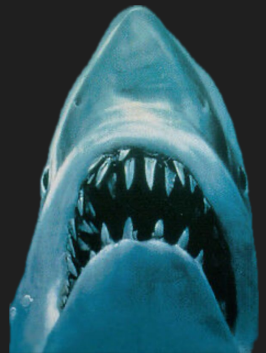
Estructura:

- Importar librerías
- Cargar datos
- Visualizaciones preliminares
- Primeras conclusiones

	Nulos	Porcentaje
Date	0	0.000000
Year	2	0.028596
Type	18	0.257363
Country	50	0.714898
State	483	6.905919
Location	565	8.078353
Activity	585	8.364312
Name	219	3.131255
Sex	579	8.278524
Age	2994	42.808121
Injury	35	0.500429
Fatal Y/N	561	8.021161
Time	3526	50.414641
Species	3132	44.781241
Source	19	0.271661
pdf	195	2.788104
href formula	200	2.859594
href	198	2.830998
Case Number	196	2.802402
Case Number.1	197	2.816700
original order	195	2.788104
Unnamed: 21	6993	99.985702
Unnamed: 22	6992	99.971404

```
null_percentages = df.isnull().mean() * 100
```



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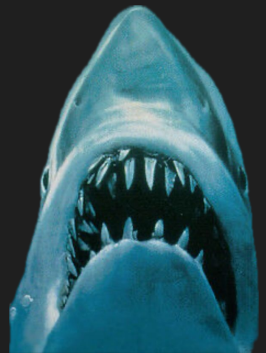
- Limpieza de datos
  - Eliminación de datos no relevantes
  - Duplicados
  - Restaurar o eliminar nulos

Date	Type	Country	State	Location	Activity	Sex	Age	Injury	Fatal Y/N	Time	Species
2025-02-07 00:00:00	Unprovoked	Turks and Caicos	Florida	Thompson Cove Beach	Swimming	F	55	Unknown	N	Unknown	Unknown
2025-02-03 00:00:00	Unprovoked	Australia	Queensland	Woorim Beach, Bribie Island,	Swimming	F	17	Bites to arm and upper body	Y	1645 hrs	Bull shark
2025-01-23 00:00:00	Unprovoked	Australia	Western Australia	Shipwreck Cove	Bathing	M	12	Minor bite to lower body	N	1711hrs	Not stated
2025-01-22 00:00:00	Unprovoked	Australia	Western Australia	Cheynes beach	Surfing	M	37	None - chunk of surfboard bitten out	N	1600hrs	Bronze whaler
2025-01-11 00:00:00	Provoked	USA	Hawaii	Off Haleiwa Boat Harbour Oahu	Diving	M	23	Bitten on the arm	N	1340hrs	Not stated



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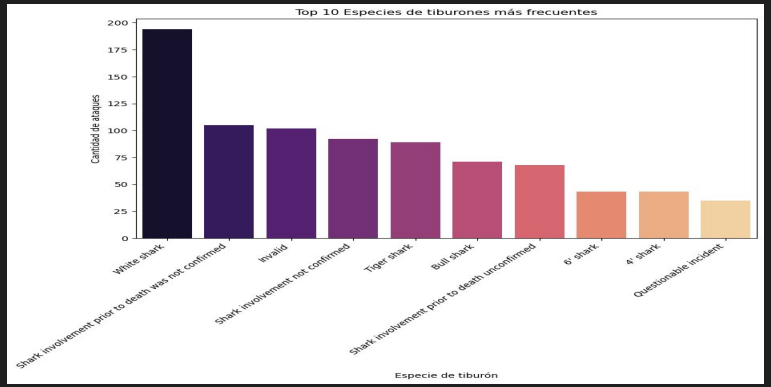
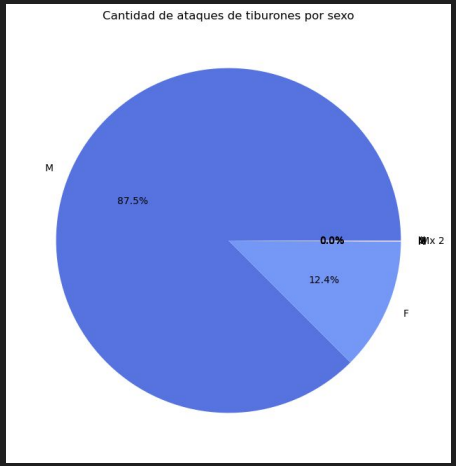
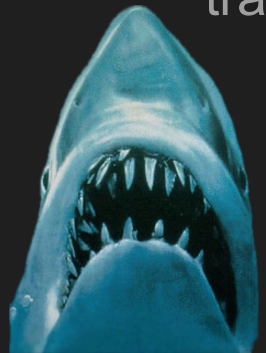
- Extracción de datos
  - Trabajamos con los datos para obtener cifras o valores concretos



- Análisis de los datos obtenidos
  - Cargamos gráficas y otros elementos visuales para dar consistencia a nuestro trabajo de una manera rápida e intuitiva





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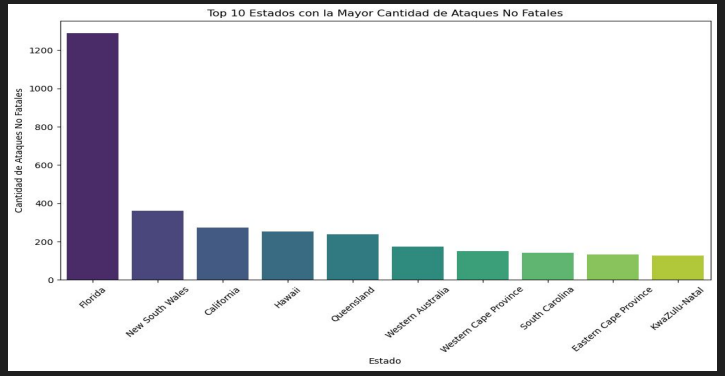
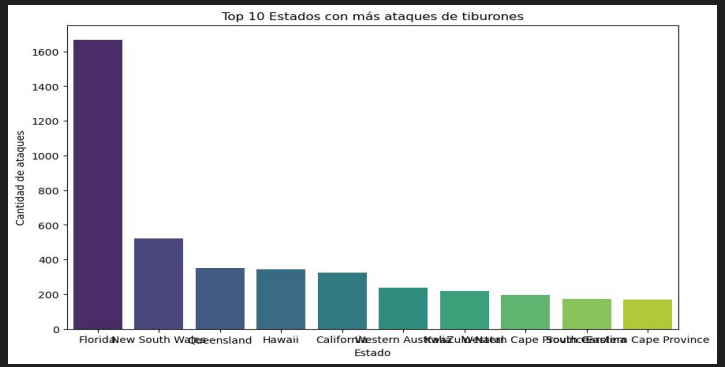
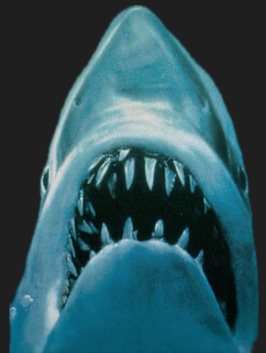
Conclusiones

1. El país más indicado es USA
2. El estado con mayor concentración de ataques de tiburón es Florida
3. El estado con menor índice de ataques fatales es Florida
4. El mes con mayor concentración de ataques es Enero
5. Los surfistas son las principales víctimas y en un 80% son hombres.
6. La especie más habitada, en esa región y en esa fecha es el Tiburón Blanco







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Gracias

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