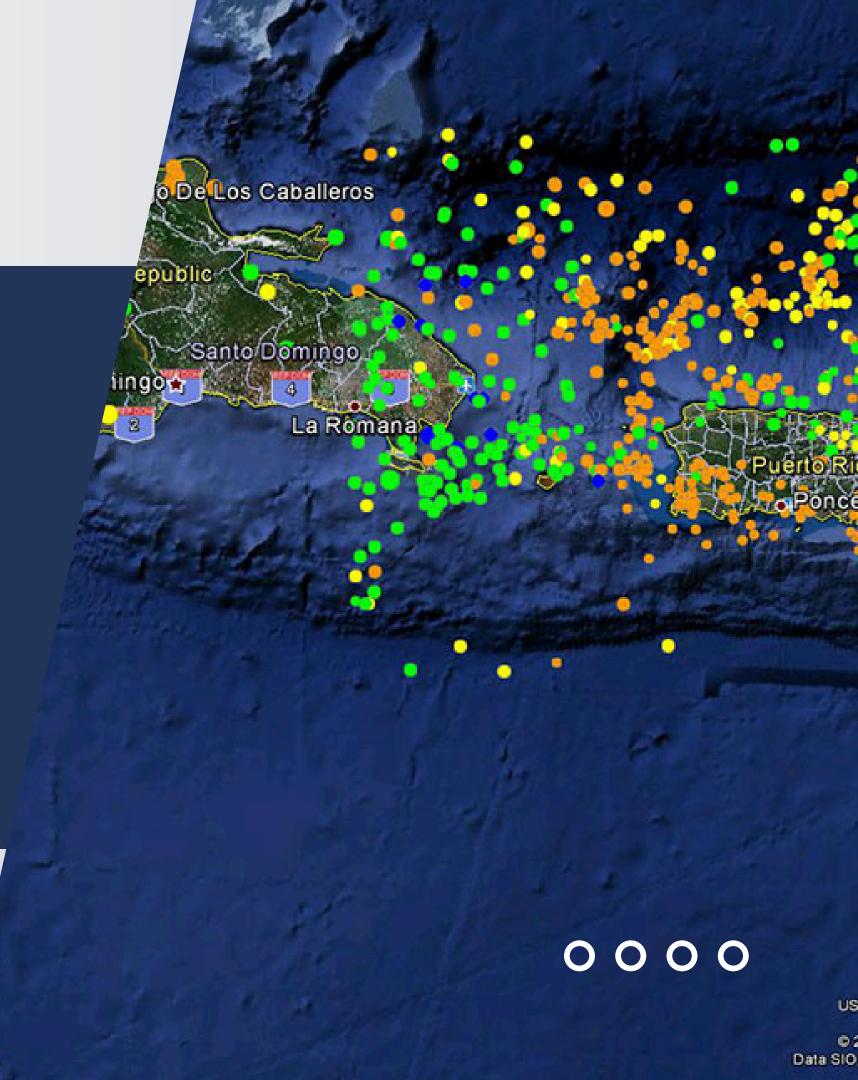


OBJETIVO

- Análisis de datos históricos
- Modelo de aproximación
- Mostrar un posible futuro
- Tomar medidas
- Prepararse



"United States
Geological Survey"
(USGS)

BASE DE DATOS

Terremotos de 1990-2023 0000

ANÁLISIS EXPLORATORIO DE DATOS



PRELIMINARES

3218369 Terremotos

16 Variables

Base de datos limpia Data Types Correctos

VISUALIZACIÓN Y DISTRIBUCIÓN DE VARIABLES INDIVIDUALES

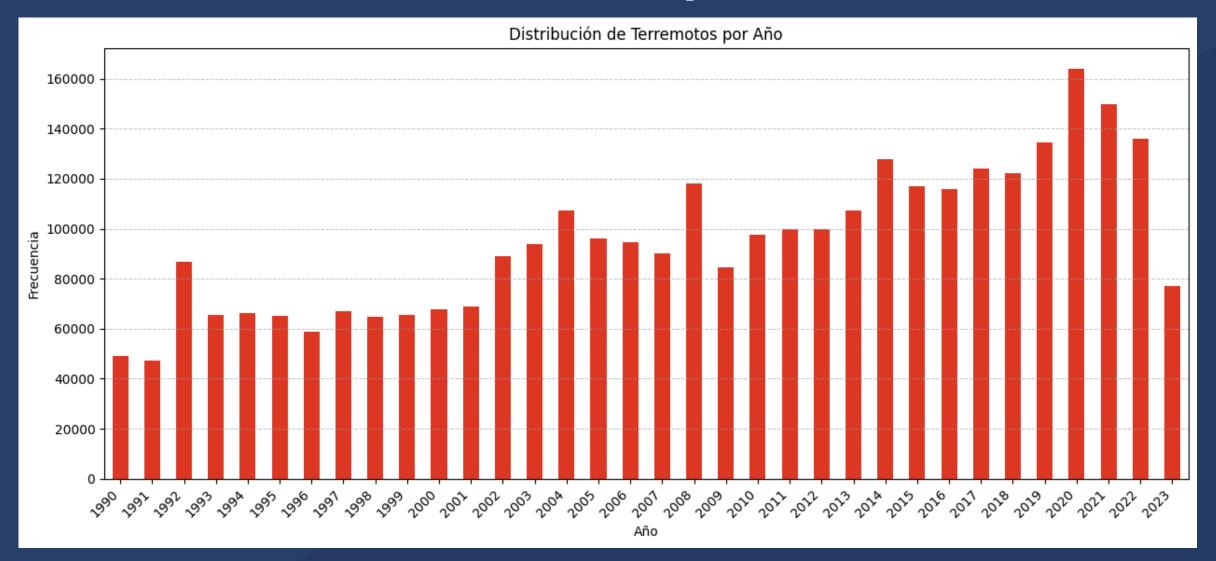
11 Numéricas

- Relevancia
- Magnitud
- Longitud
- Latitud
- Profundidad
- Fecha
- Año
- Mes
- Dia
- Hora
- FechaFormateada

5 Categóricas

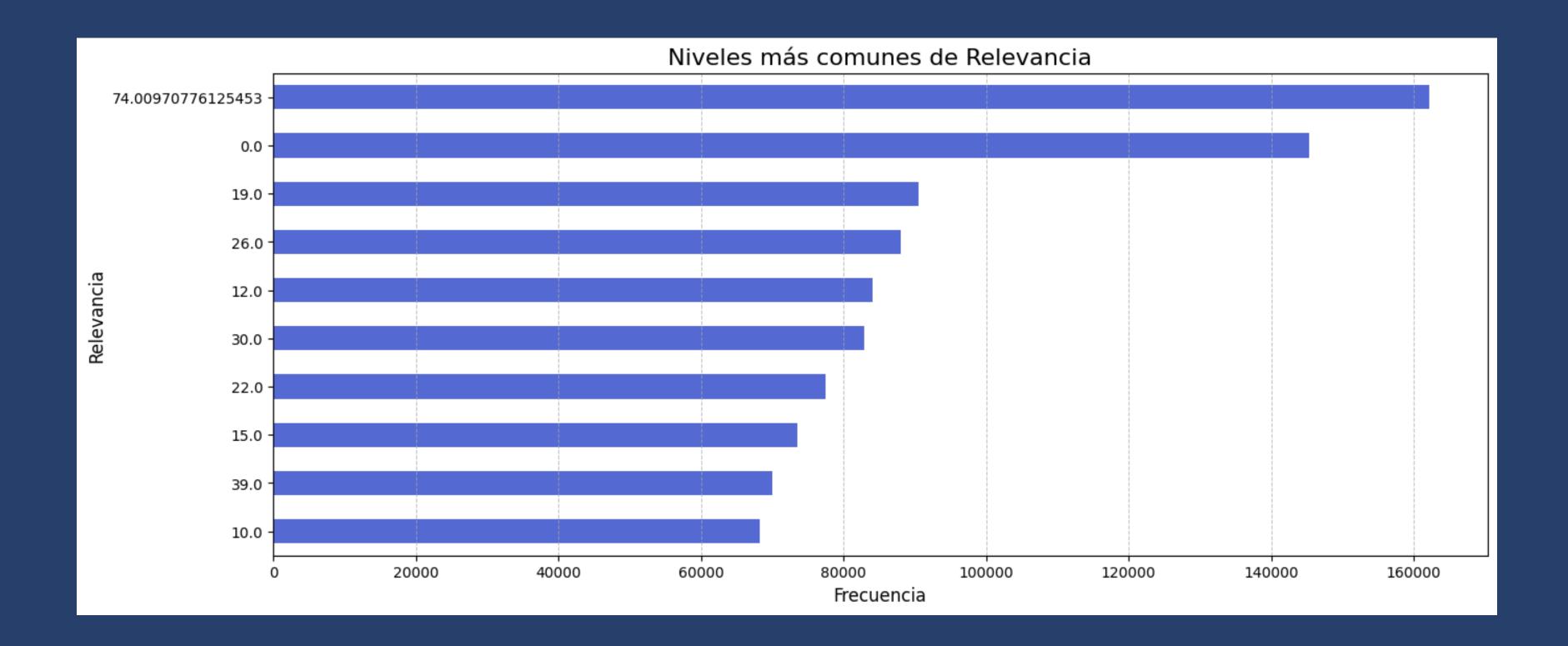
- Lugar
- Estatus
- Tsunami
- Estado
- DiaNombre

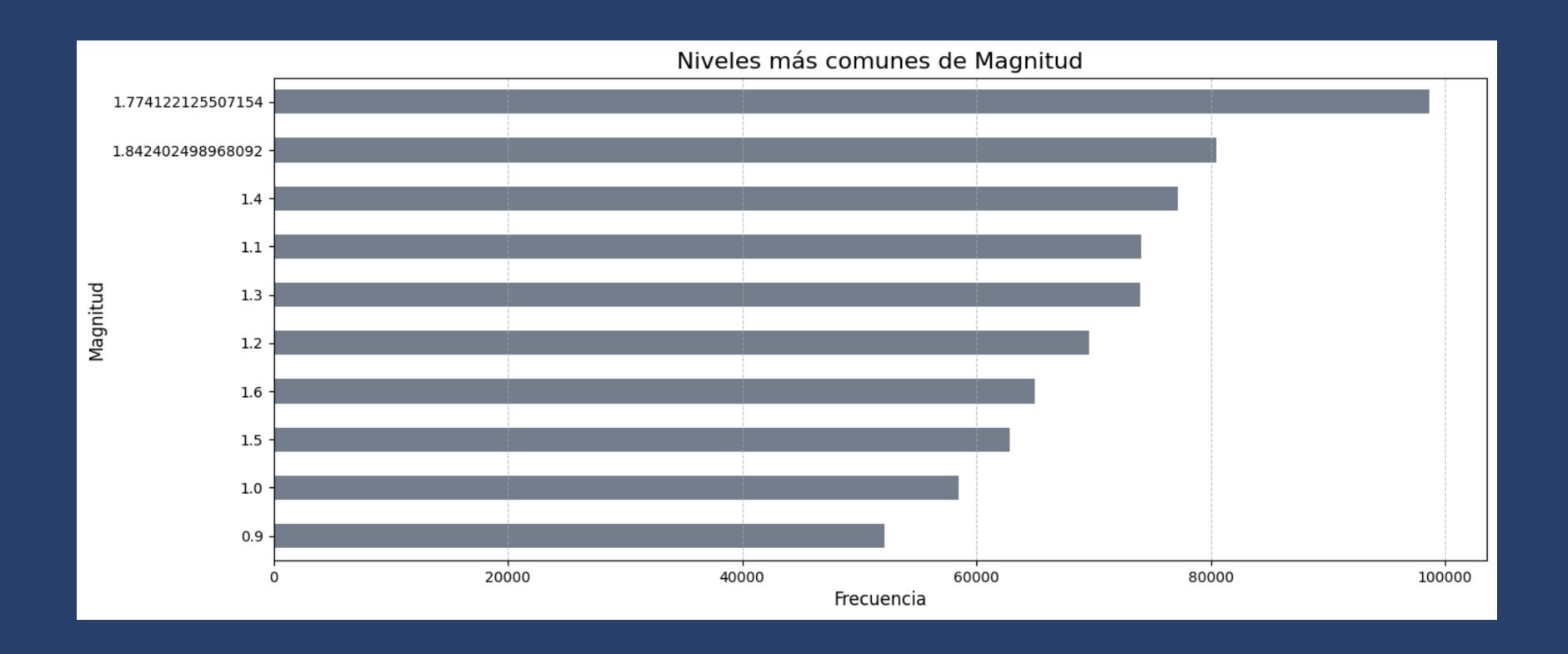
Distribución por año

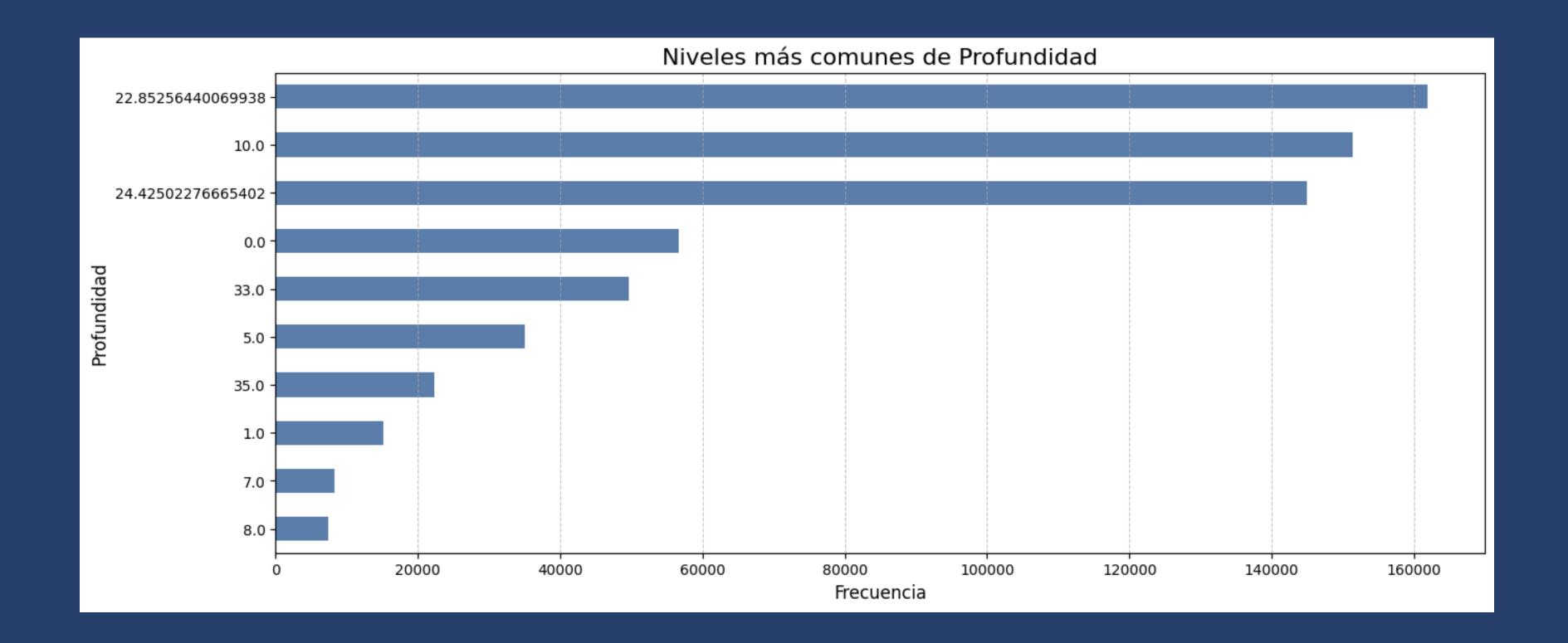


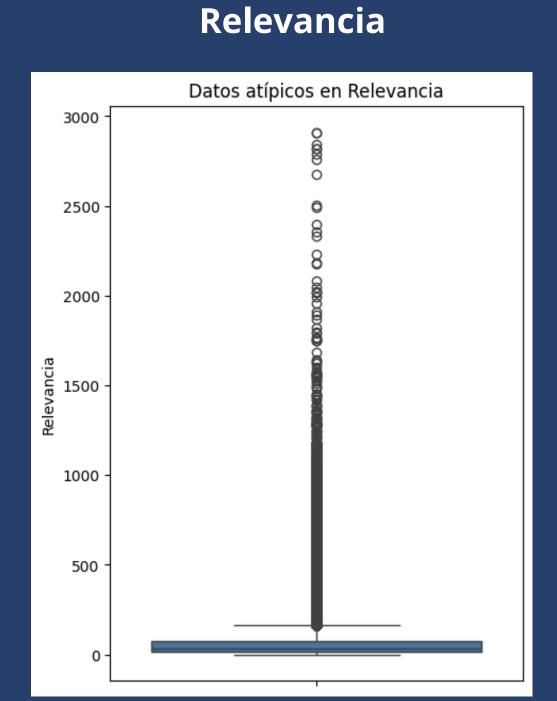
Mayor número de terremotos 2020 - 2021 - 2022 - 2019 - 2014

Menor número de terremotos 1991 - 1990 - 1996 - 1998 - 1995

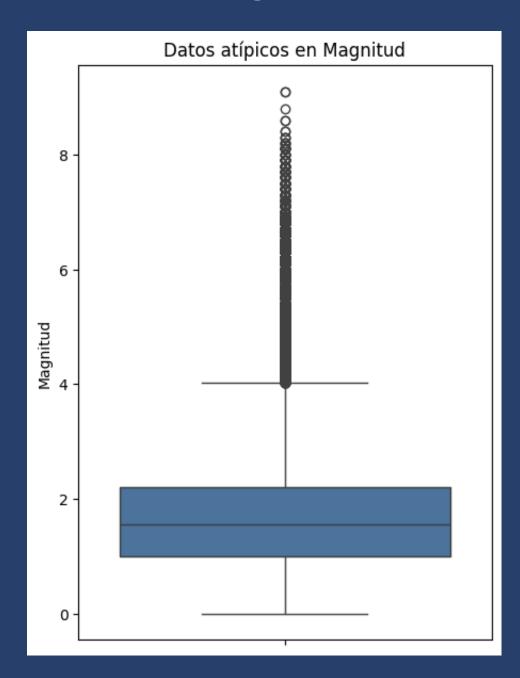




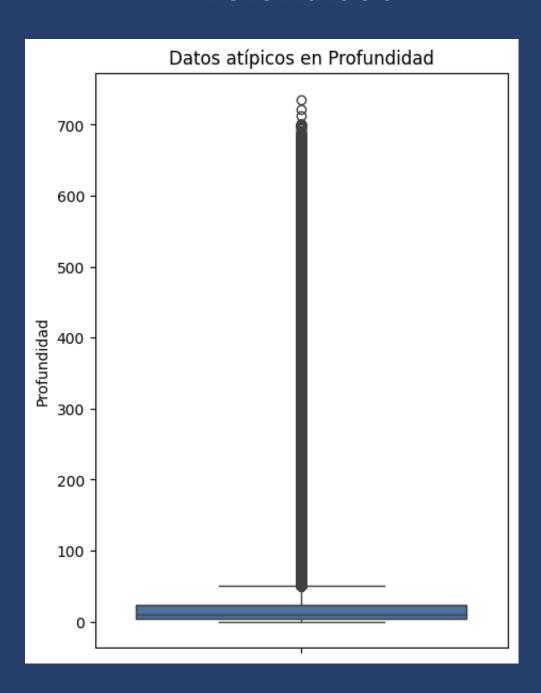




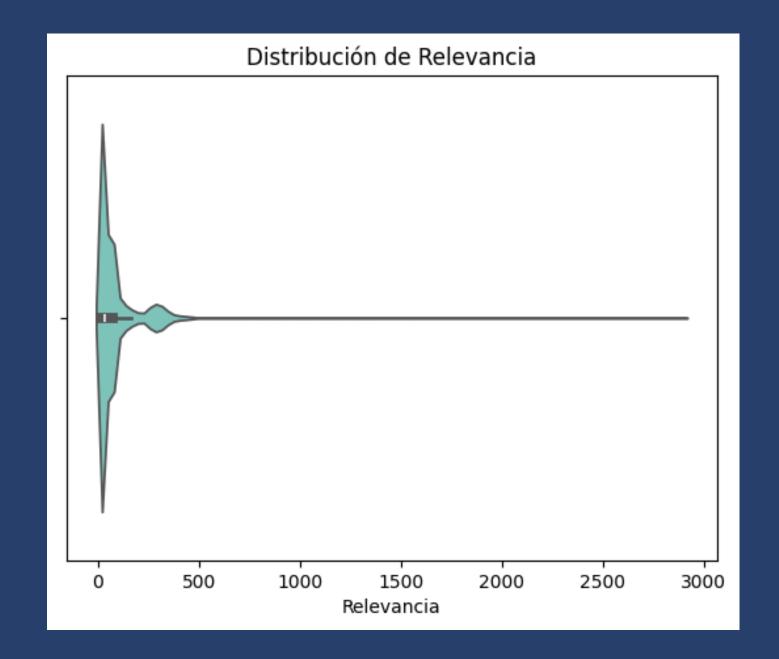


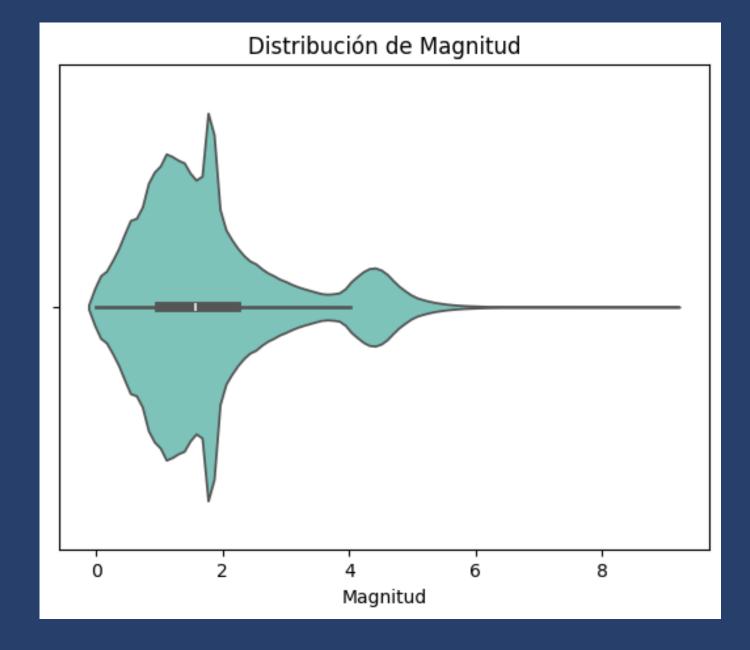


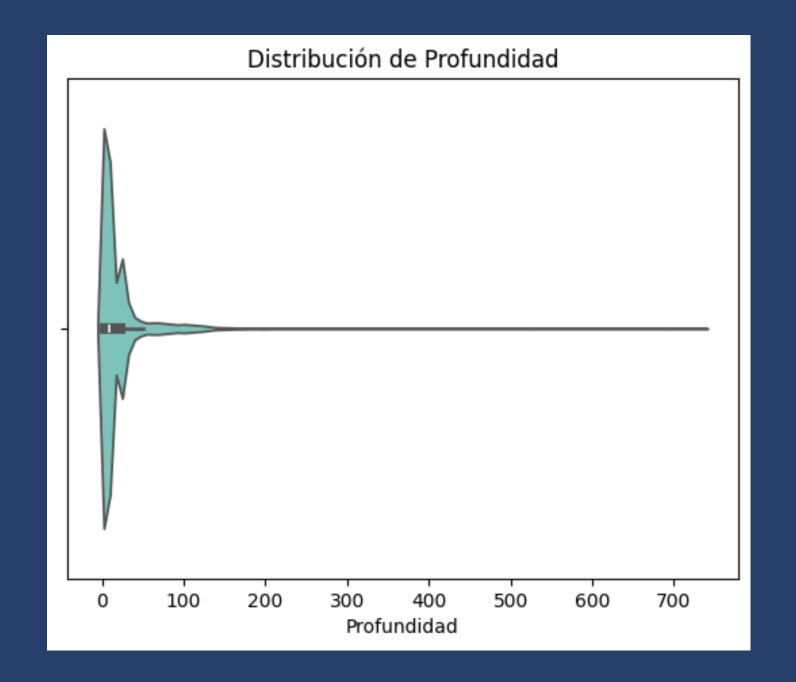
Profundidad

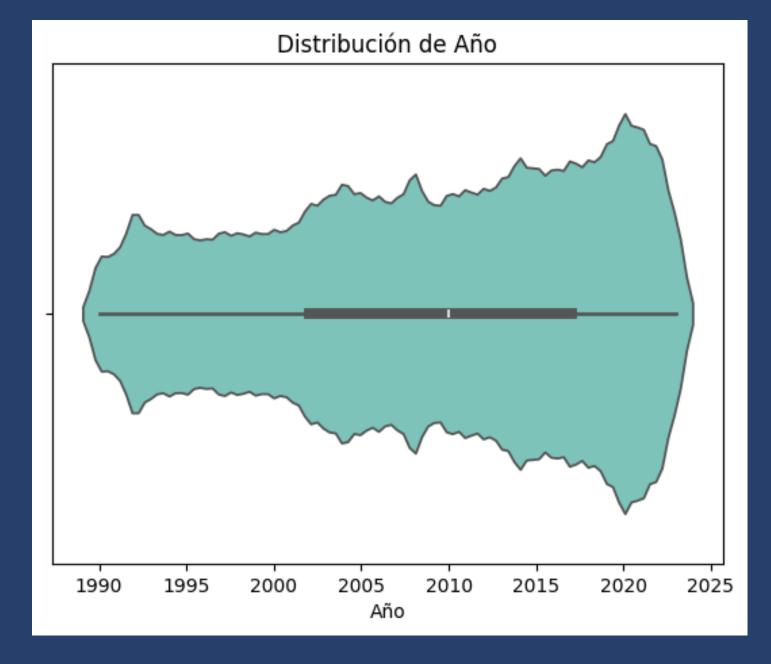


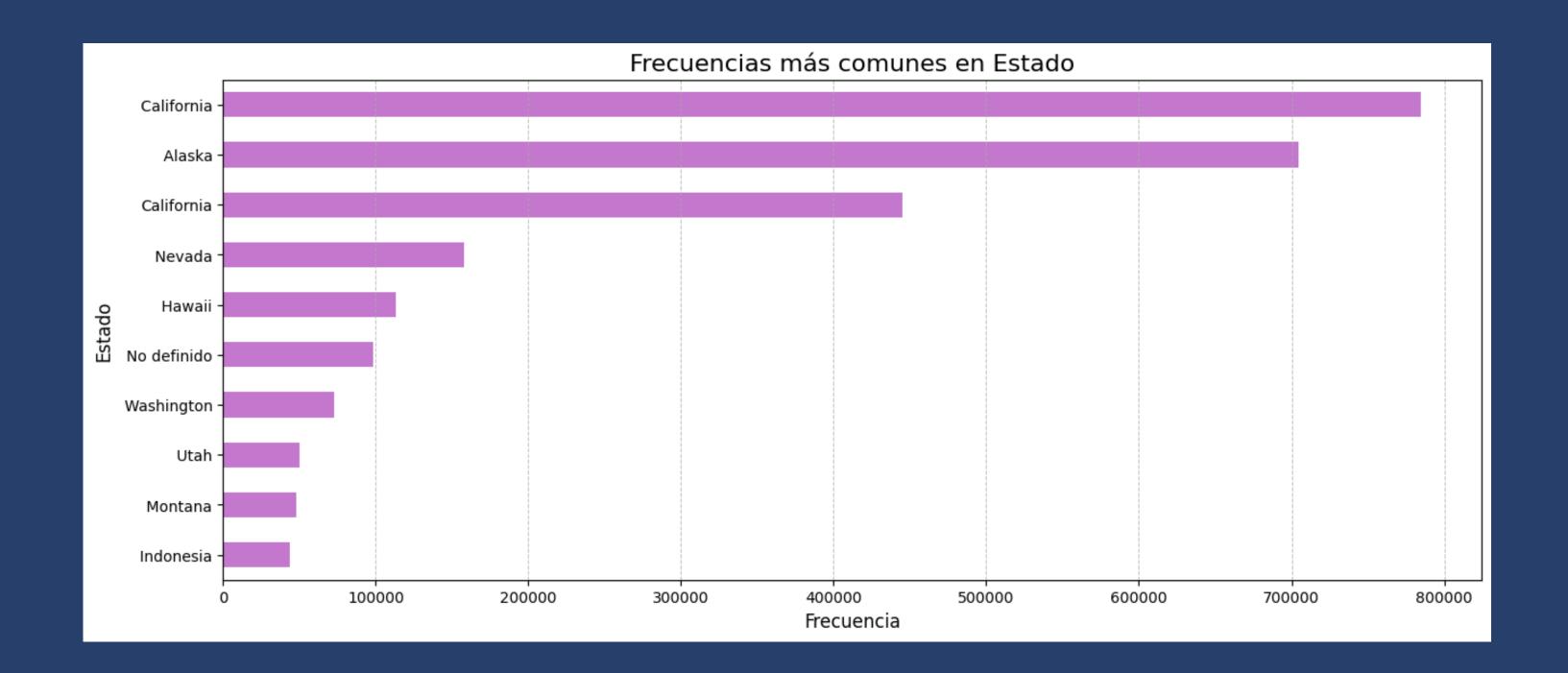
Valores Atípicos

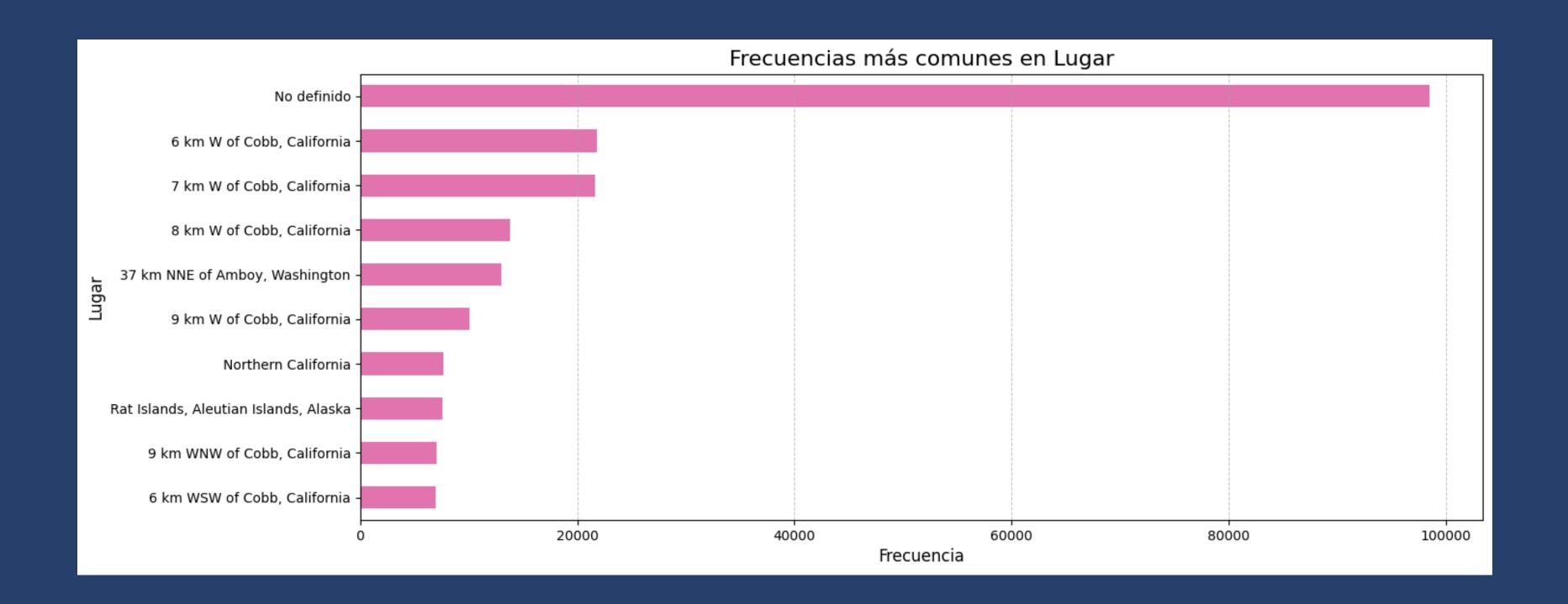


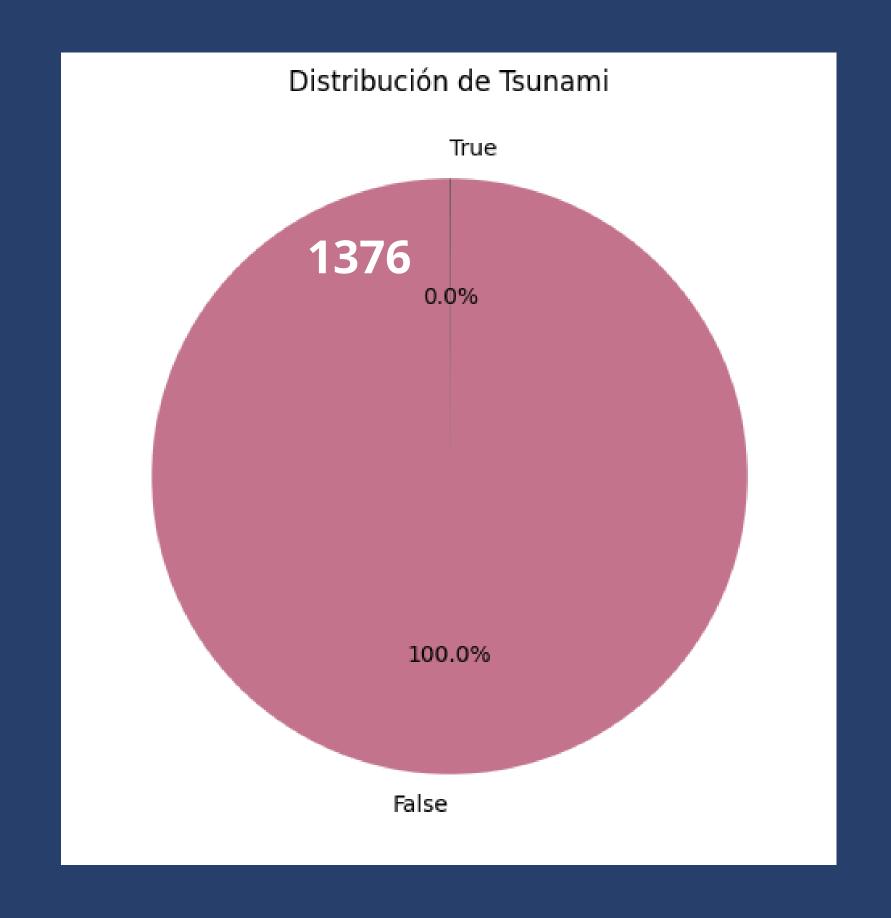


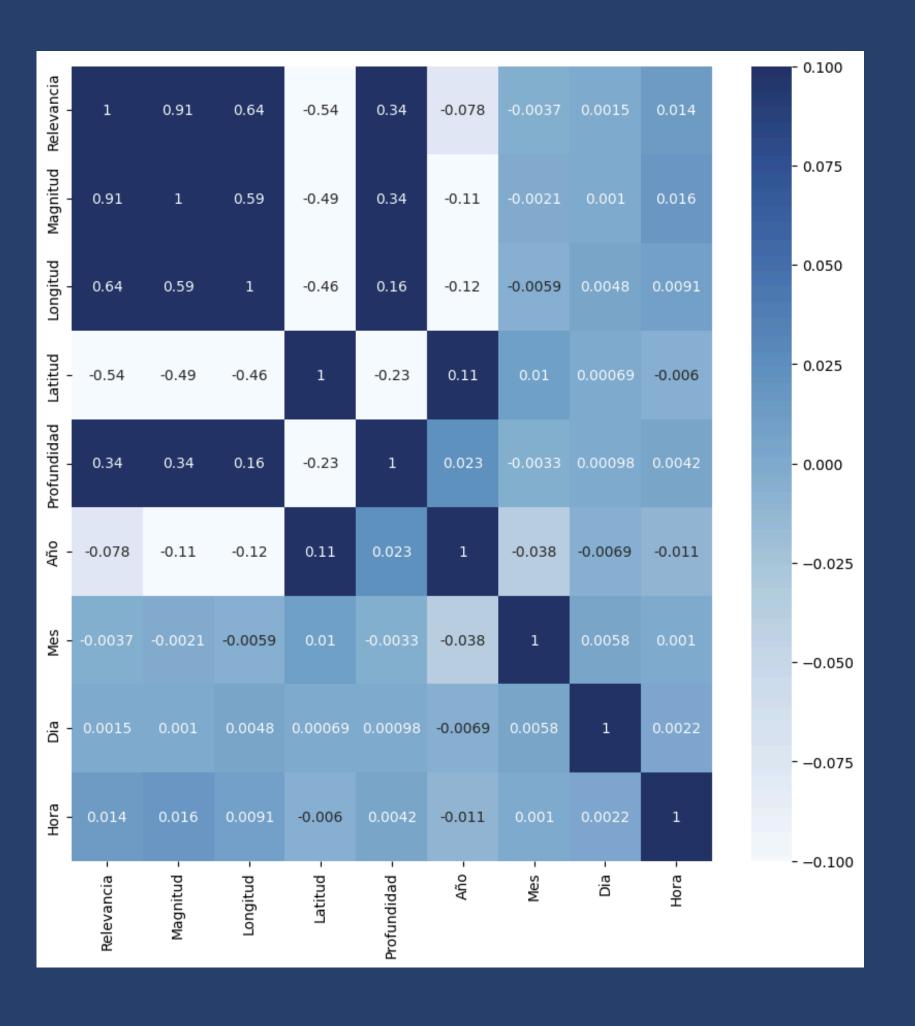


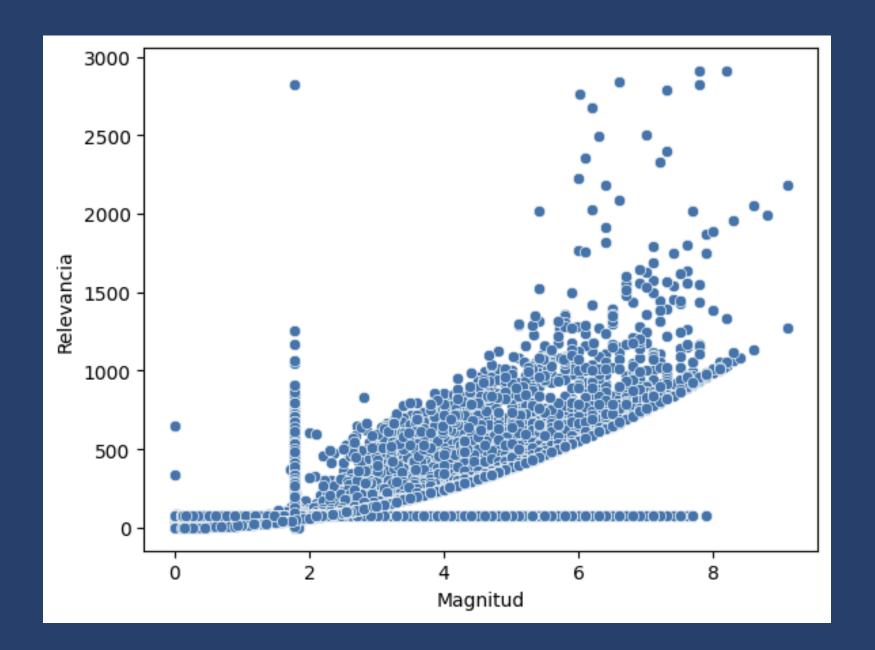


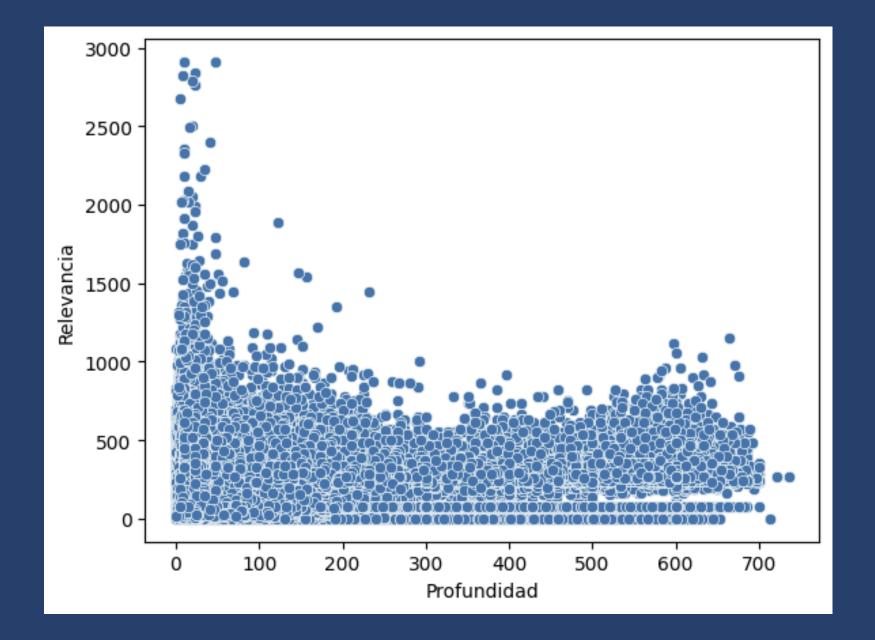


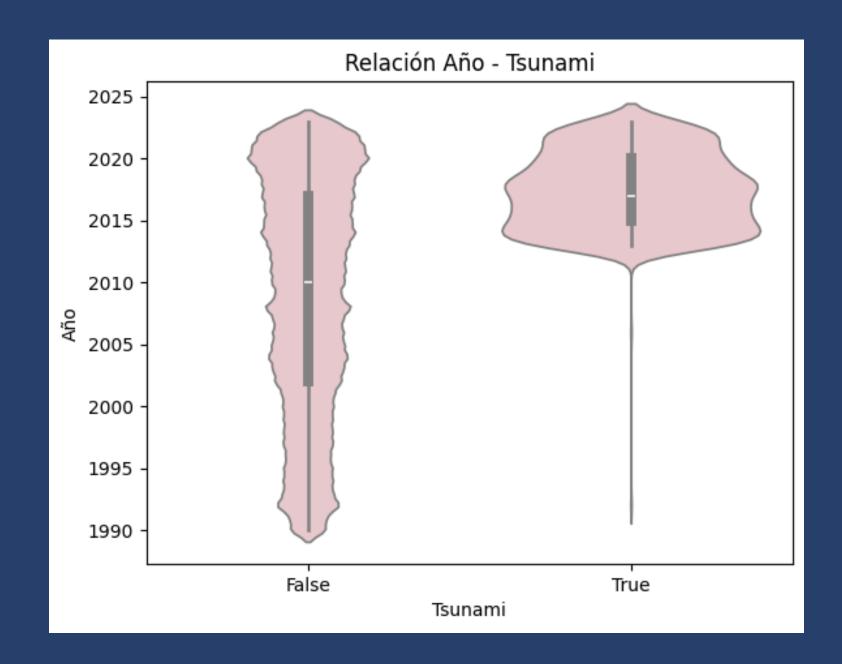


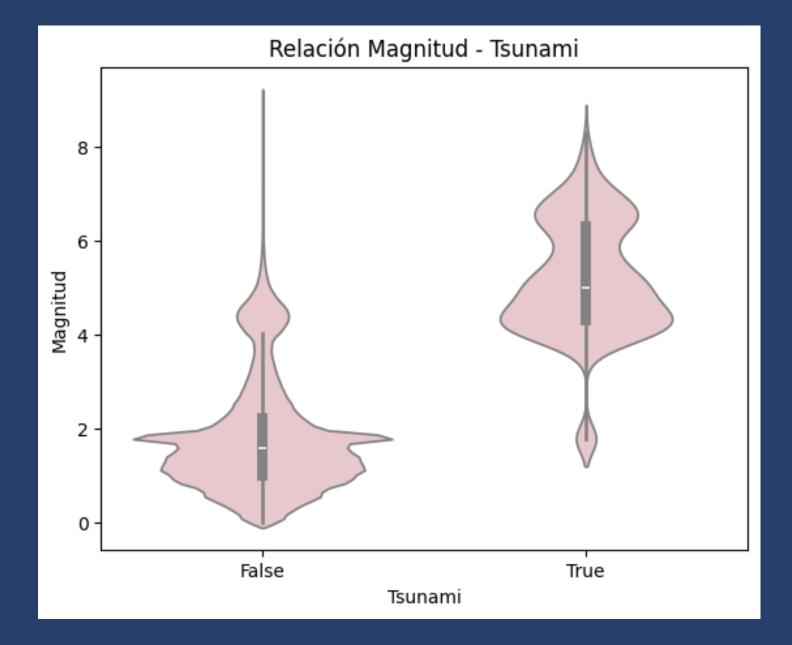












OBSERVACIONES

Tendencias a través del tiempo Tendencias de localización

Tendencias de magnitud

Tendencias de tsunamis

Tendencias de profundidad

Tendencias de relevancia

MODELO



ESTIMAR POR OCURRENCIA ESTIMAR POR
UBICACI'ON

MODELO

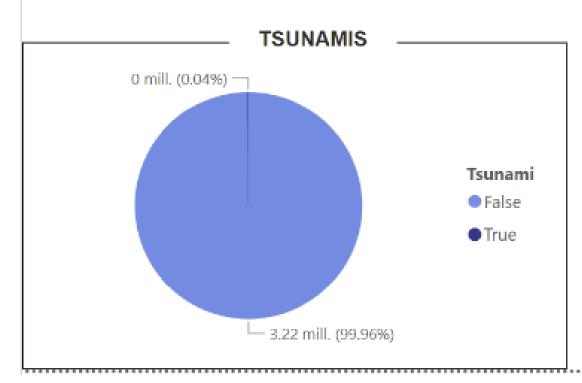
ESTIMAR POR
MAGNITUD

ESTIMAR DE FORMA GENERAL

DASHBOARD

Estimación Probabilística de Terremotos Basada en Datos Históricos



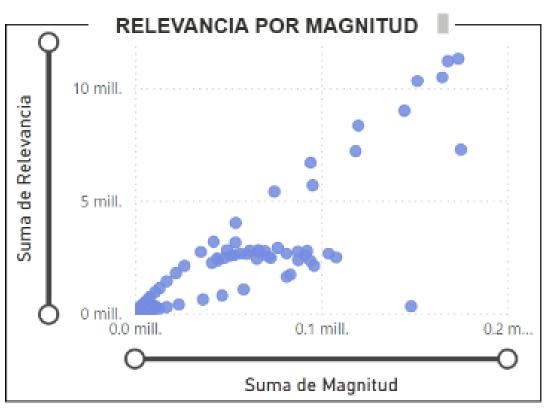


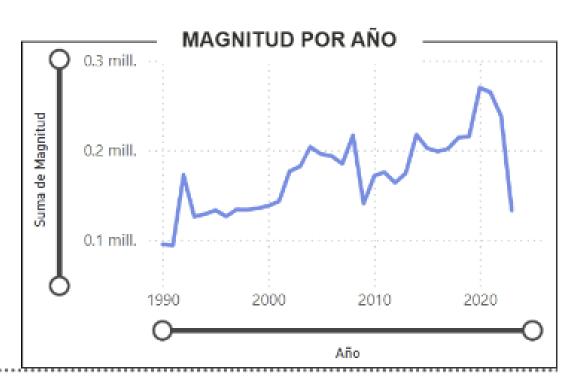
TERREMOTOS 1990-2023 3,218,369



PROMEDIOS

MAGNITUD - 1.83 PROFUNDIDAD - 23.99 RELEVANCIA - 74.01





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CONCLUSIONES

