

BAT 404- ANALYTICS
AND TECHNIQUES

SDG 14: LIFE BELOW WATER

Coastal and Marine Life Preservations in the World and in the Philippines



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INTRODUCTION

The oceans are one of Earth's greatest gifts to humans, overflowing with life and providing everything from fresh food to jobs for millions who would otherwise be unemployed. These waters on which we rely may appear to be in great health, yet not everything is as it appears. Seeing marine animals in their natural habitat can be an exhilarating experience, such as seeing a pod of dolphins leap across the water, a sea turtle breeding on a beach, or a seal colony sunbathing in the sun.

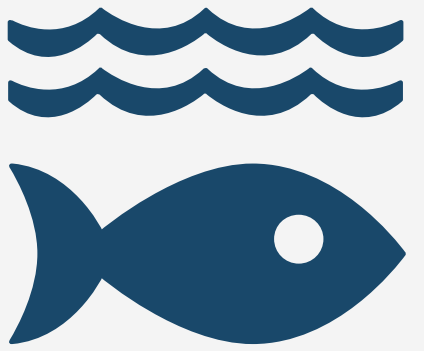


PROBLEM STATEMENT

For the health and sustainability of our seas and the organisms who inhabit them, marine life challenges and issues are a critical concern.

- Some of the marine problems are: overfishing, coral bleaching, and plastic pollution.
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SIGNIFICANCE OF THE STUDY



Marine life conservation is essential since it seeks to save both aquatic species and their ecosystems; but, without the public's assistance, the work that the organizations involved in this form of conservation can do is limited at best.

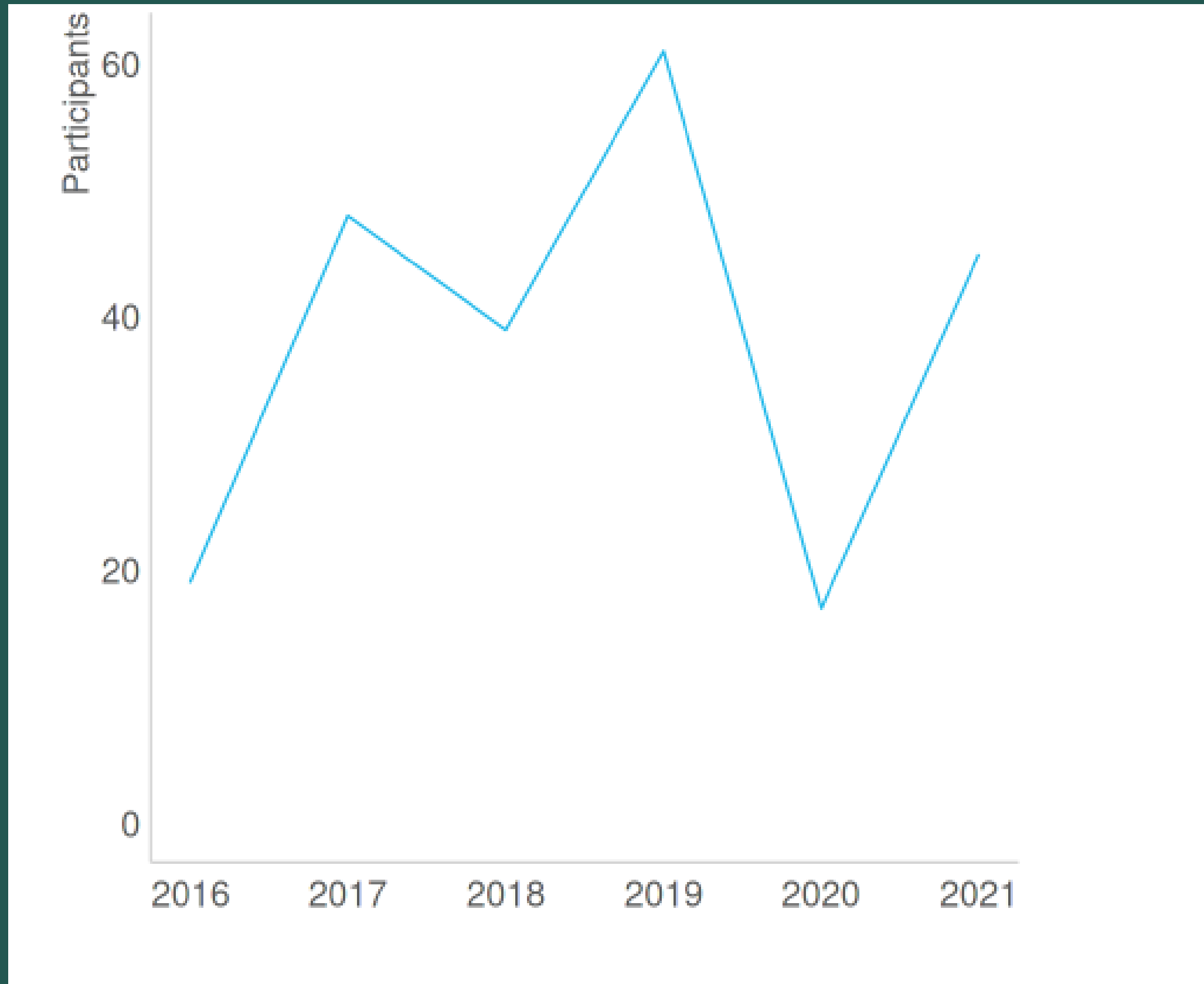
The conservation of the oceans is not something minor, and there is no reason to ignore this fact. For years, scientists have discussed climate change, pollution, and the impact these two factors have on maritime animals.

METHODS

Marine life preservation is important in the Philippines because the country is part of the Coral Triangle biodiversity hotspot. The marine protected areas in the Philippines serve to protect and conserve some of the world's most unique coral reefs.

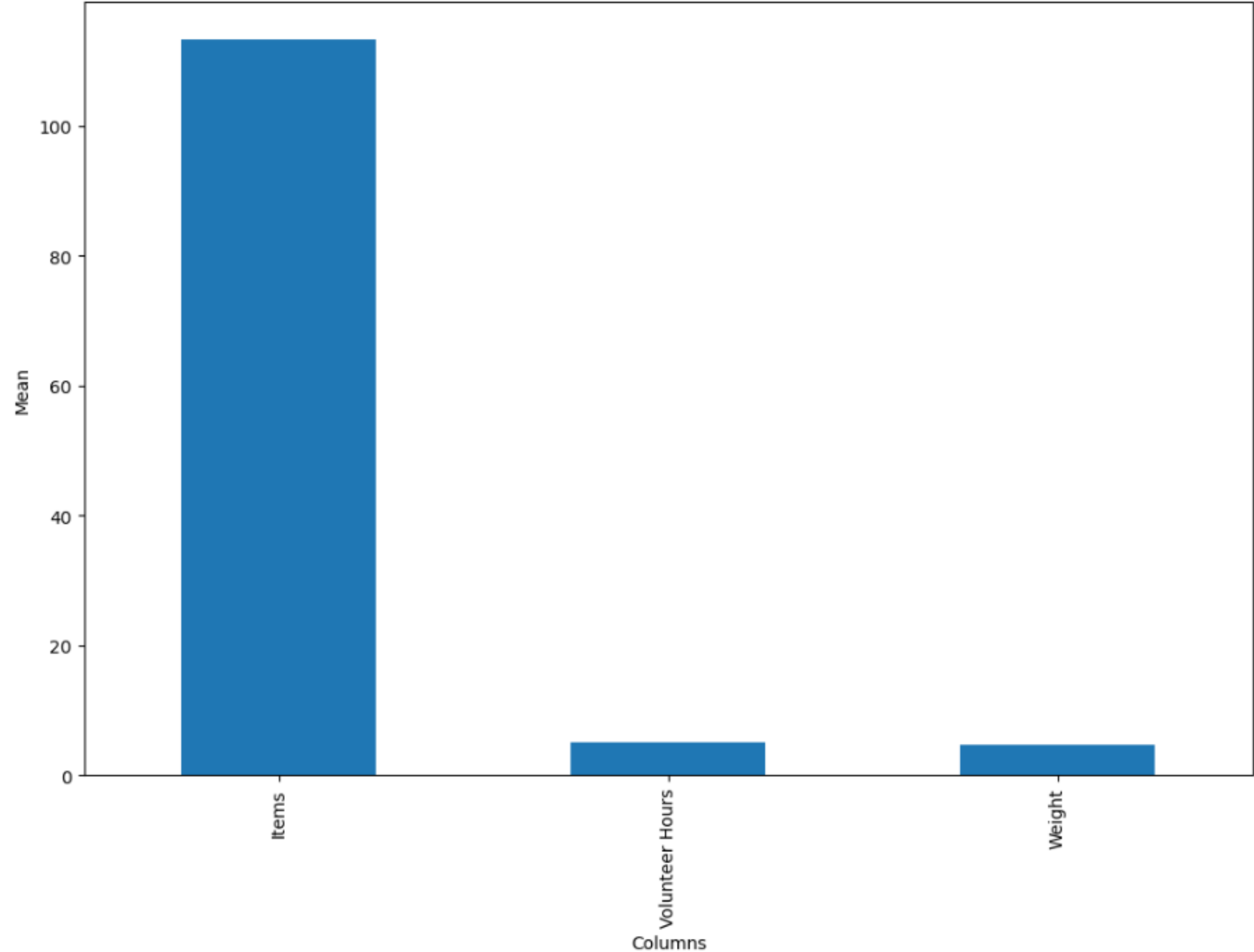
According to our method, data is acquired from a number of reliable sources, such as official statistics, surveys, and government publications. We look into how marine life preservation affects our ecosystem and us as individuals.



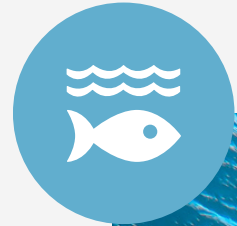


Number of Participants

Mean Values of Marine data



Conclusion



Philippine coral reefs are essential to the health of coastal and marine ecosystems due to the fact that they support a variety of species and provide food, protection, and unique habitats. This study presented the importance of us individuals to protect the marine areas not just in the Philippines but also in the whole world. By achieving the study's goal, ocean life has been diminishing globally due to overfishing, habitat damage, and climate change.

References:

<https://www.fisheries.noaa.gov/topic/marine-life-viewing-guidelines>

- <https://pia.gov.ph/news/2022/06/09/ph-calls-for-further-marine-biodiversity-protection>
- https://wedocs.unep.org/bitstream/handle/20.500.11822/31296/PHI_SDG.pdf?sequence=1
- <https://news.mongabay.com/2021/06/with-growing-pressures-can-the-philippines-sustain-its-marine-reserves/>
- <https://www.thegef.org/news/sea-future-expanding-coastal-and-marine-protection-philippines>
- <https://secret-ph.com/the-importance-of-philippine-coral-reefs-preserving-marine-biodiversity/>

Datasets:

<https://www.kaggle.com/datasets/maartenvandavelde/marine-litter-watch-19502021>

<https://www.kaggle.com/code/brittanycallahan/south-carolina-adopt-a-beach-cleanup-eda/notebook>

THANK YOU