

Abstract geometric lines in black on a white background, forming various overlapping polygons and shapes, primarily concentrated on the left side of the image.

WHAT IS THE EFFECT OF THE EARTH'S TEMPERATURE ON CYCLONIC STORMS?

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AGENDA

Introduction

Historic Temperatures

Recent Temperatures

Occurrence of Natural Disasters

Recent Natural Disasters

Comparison

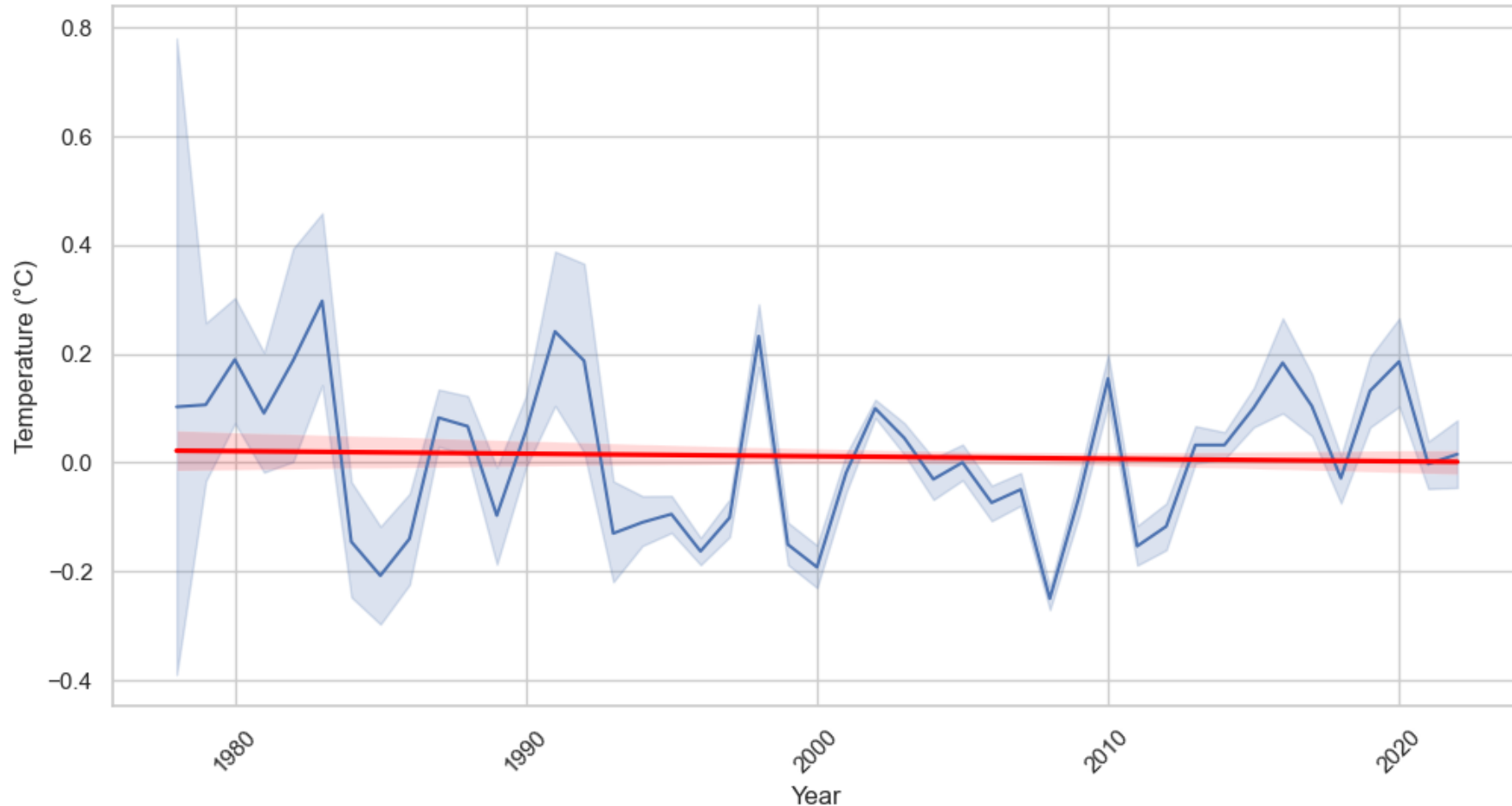
INTRODUCTION

As our climate undergoes significant changes, it becomes crucial to understand the influence of rising temperatures on the frequency and intensity of cyclonic storms, including hurricanes, typhoons, and tornadoes.



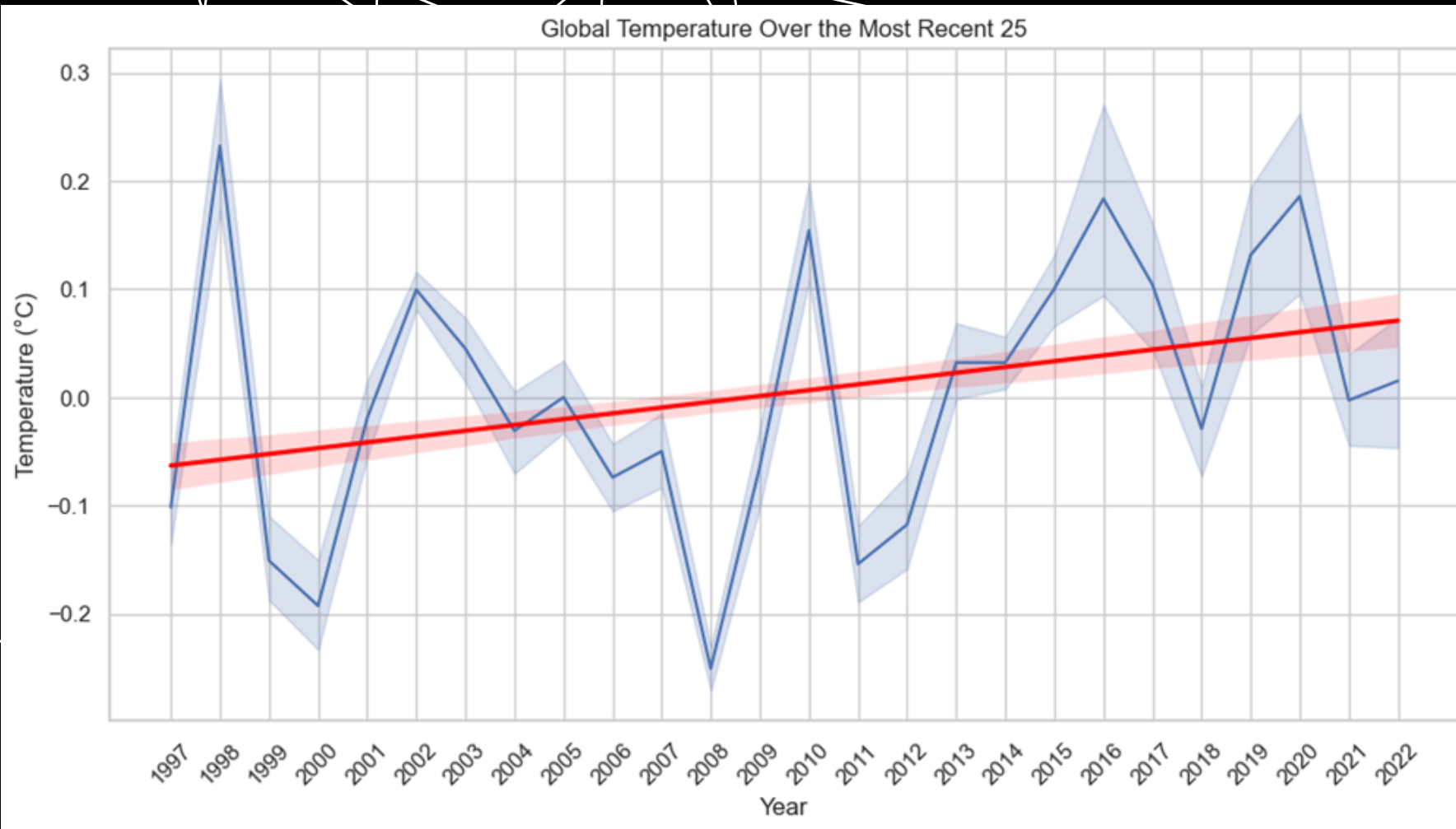
HISTORIC TEMPERATURES

Global Temperature Over the Years



Historically this graph demonstrates that temperatures are on the decline or steady. This is interesting because is global warming really on the rise? This is interesting seeing that temperatures were even strongly elevated in the 1970s

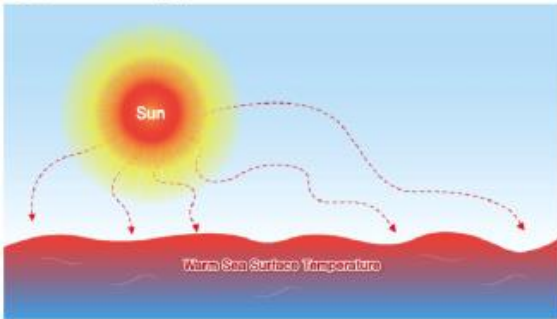
HISTORIC TEMPERATURES



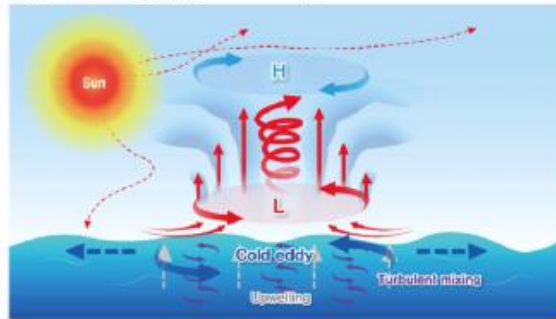
Zoning into the previous 25 years, we see that there is actually a rise in temperatures. How does this affect the occurrence of natural disasters?

HOW DO CYCLONIC DISASTERS WORK?

(a) Before typhoon



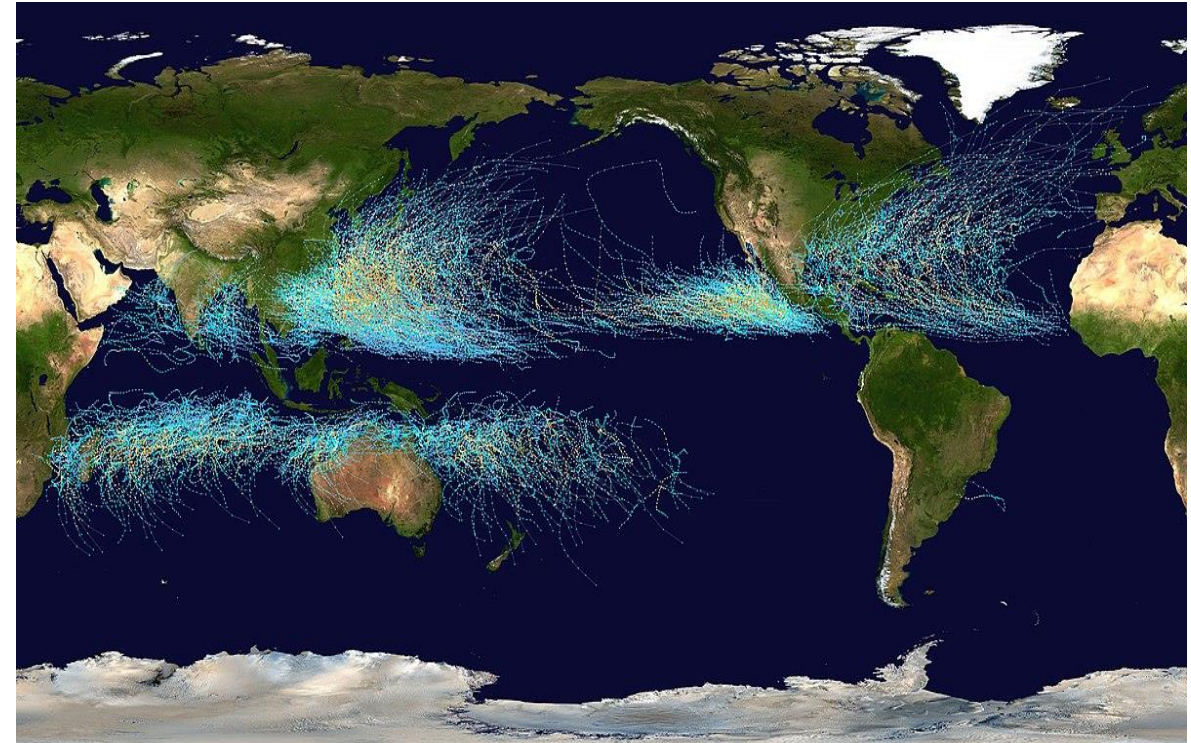
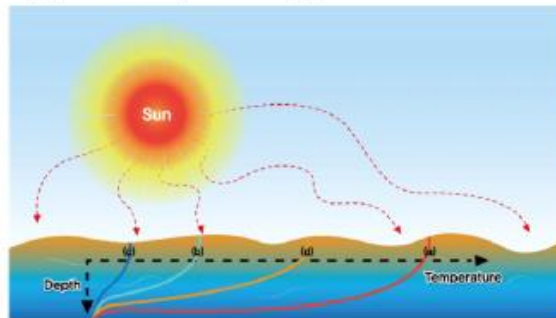
(b) During typhoon day



(c) After typhoon (1-4 day)

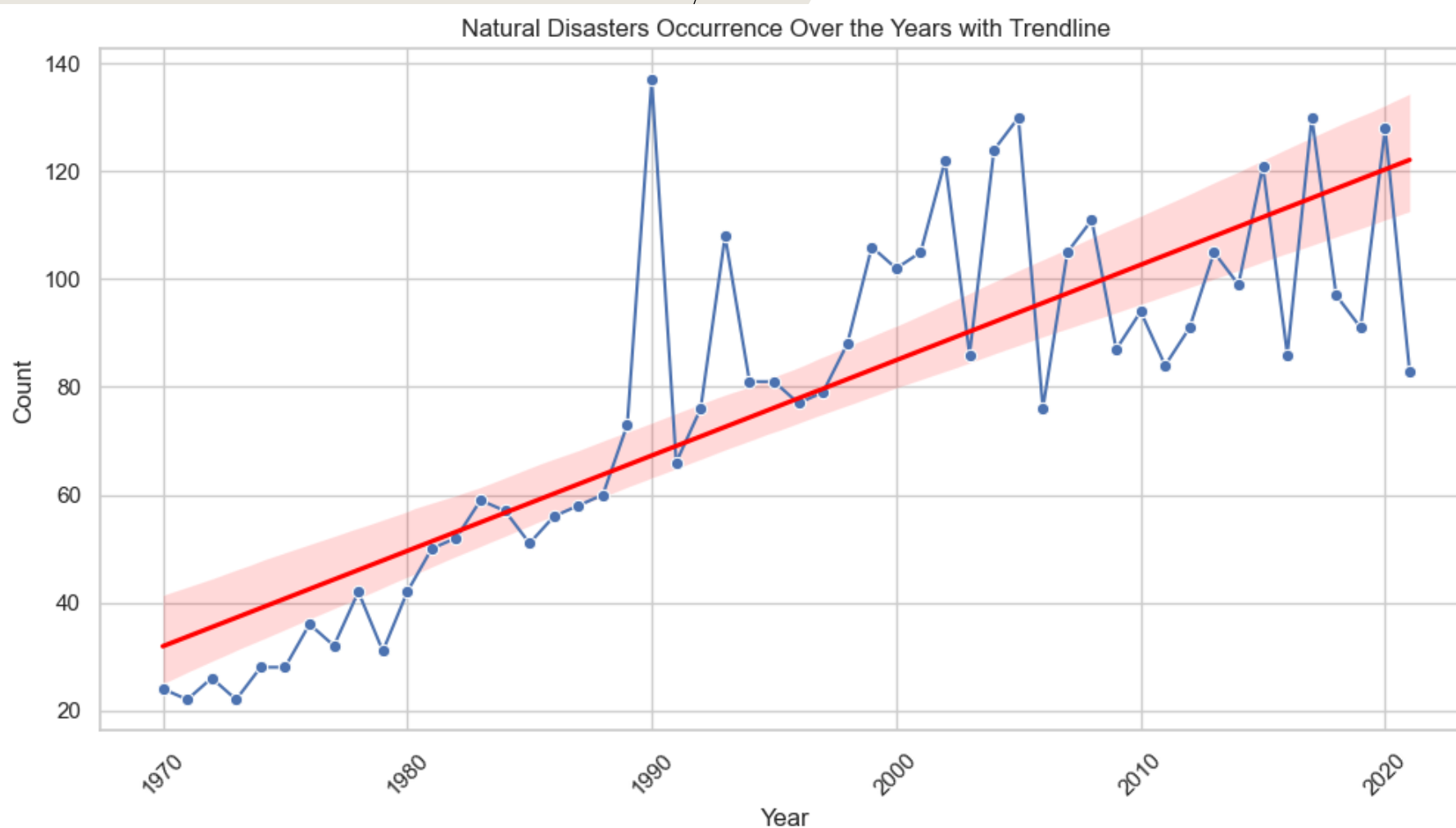


(d) A few days after typhoon



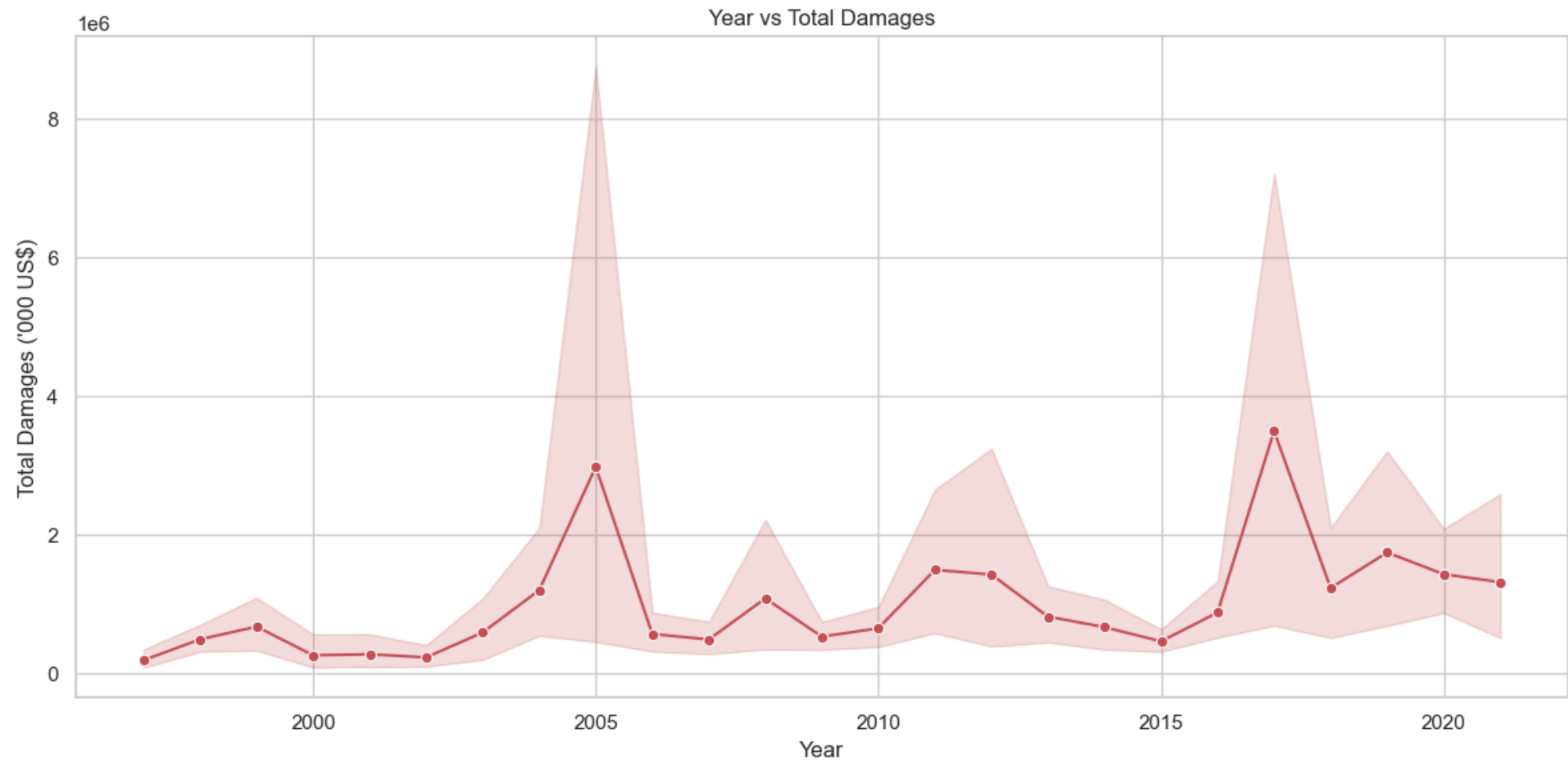
Cyclonic disasters, such as hurricanes, typhoons, and tornadoes, form through the complex interplay of warm ocean waters, atmospheric instability, and low-pressure systems. As warm air over the ocean surface rises, it creates a low-pressure area that draws in more air, initiating a spiraling motion. This evolving system gains energy from the warm ocean, intensifying into a cyclonic storm with destructive winds and precipitation.

OCCURRENCE OF CYCLONIC DISASTERS OVER THE YEARS



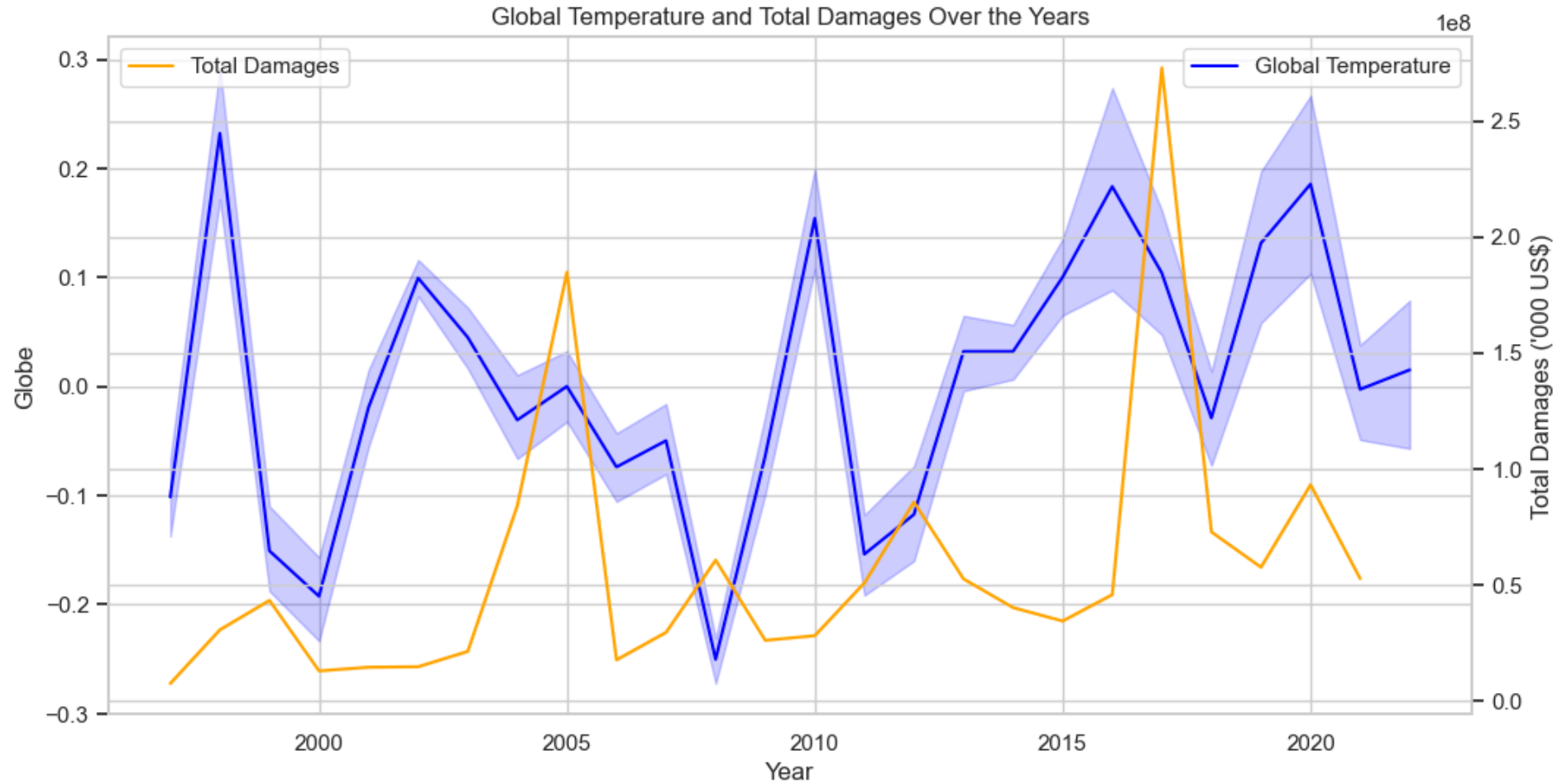
We see that over the years, especially the most recent 25, cyclonic disasters are starting to increase tremendously

SEVERITY OF CYCLONIC DISASTERS



The damages caused by these disasters are on the rise

THE EFFECT OF GLOBAL TEMPERATURES ON CYCLONIC DISASTERS



A series of white, overlapping geometric lines and polygons on a black background, located on the left side of the slide.

CONCLUSION

In conclusion, the observed increase in global temperatures correlates with a notable uptick in the frequency and severity of cyclonic events. The escalating temperatures contribute to the intensification of these storms, underscoring the urgent need for climate mitigation and adaptation strategies to address the growing impact of cyclonic disasters on our planet.