

An Analysis of Storms in the Atlantic Basin

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Project Purpose & Inspiration

 Purpose: to discover any significant trends associated with tropical storms and hurricanes in the Atlantic Basin (i.e., North Atlantic Ocean, Gulf of Mexico, and Caribbean Sea) from 1852 to 2021

- Very topical dataset
 - Current impact of Tropical Storm Debby



Design Concepts

- Dashboard design inspired by the National Oceanic and Atmospheric Administration (NOAA) and The Weather Channel website layouts
- Project color palette:
 - Influenced by the bright, distinct colors seen on a weather radar map





Research Questions

- 1. Are there any trends in the intensity of storms impacting the Atlantic Basin?
- 2. Has there been an increase or a decrease in the frequency of storms over time?
- 3. Are there any trends in the appearance or movement of storms over the years?



Conclusions

Final Notes

• Bias & Limitations

Future Work



Works Cited

Data Set: https://www.kaggle.com/datasets/christinezinkand/storms

Slide Deck Template:

https://slidesgo.com/theme/biology-subject-for-high-school-natural-disasters-tropical-cyclone#position-14&related-1 &rs=detail-related

Color Palette: https://www.color-hex.com/color-palette/114111

Websites:

https://www.nhc.noaa.gov/climo/#:~:text=The%20official%20hurricane%20season%20for,-August%20and%20mid-October.

https://airandspace.si.edu/collection-objects/tiros-meteorological-satellite/nasm A19650289000#:~:text=Brief%20Description,features%20for%20the%20first%20time.

