DS5110 Final Project: MassWeather Dashboard

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Project Scope

Geographical focus: Massachusetts counties

Data range: Historical (2022–2024), real-time, and

7-day forecast data



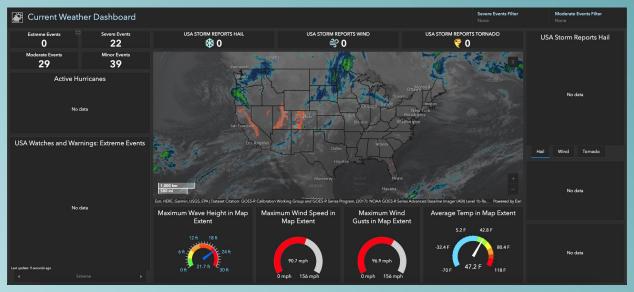


LITERATURE REVIEW

Summary and Relation to Relevant Work

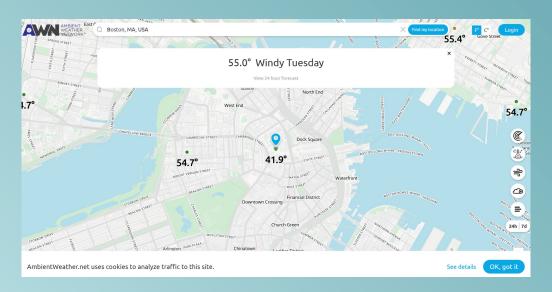


Arcgis Dashboard



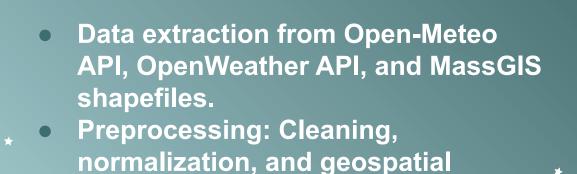
The ArcGIS Weather Dashboard provides real-time U.S. weather alerts, including storms, heat waves, and hurricanes, through an interactive map





The Ambient Weather Dashboard delivers hyper-local, real-time weather data from personal weather stations, tracking metrics like temperature, humidity, wind speed, and rainfall.





 Integration pipeline to merge datasets into unified formats.

alignment.





Placeholder for visualizations/graphs







CONCLUSION

Conclusions and Recommendations for Future Work













REFERENCES

Sources





Sources

- Open-Meteo API
- MassGIS shapefiles
- NOAA (2023). Weather Data API Documentation.
- OpenWeatherMap (2024). Historical Data Overview.



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Here's an assortment of alternative resources whose style fits the one of this template

VECTORS:

Hand drawn weather effects















RESOURCES



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PHOTOS

- Medium shot smiley kids posing together
- People protesting in the streets front view
- Portrait of woman protesting for her rights I
- Portrait of woman protesting for her rights II
- Rain effect on nature background
- Medium shot woman taking notes

VECTORS:

- Hand drawn weather effects
- Monsoon background with cloud blowing
- Mother earth day in flat design
- Hand drawn weather effects I
 - Hand drawn weather effects II



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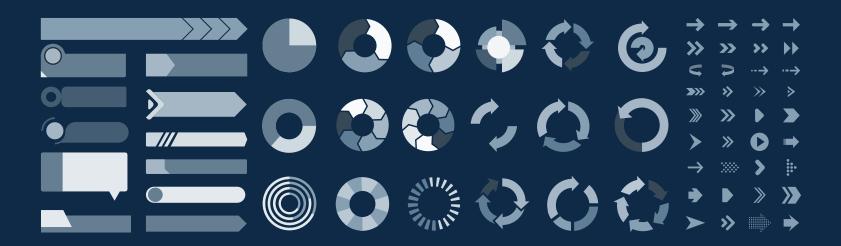


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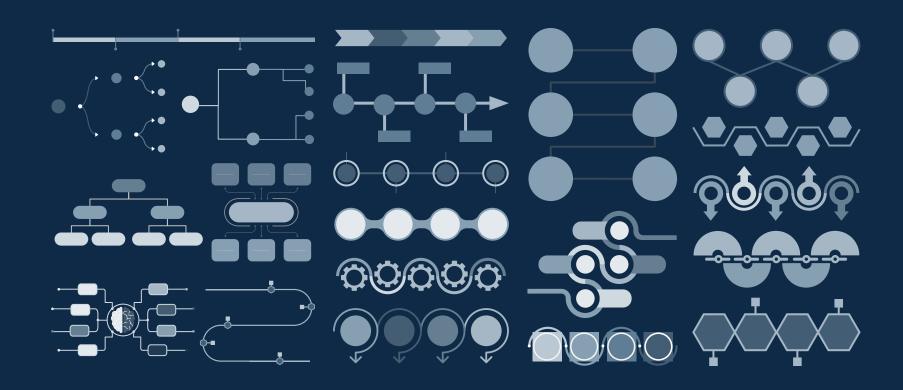
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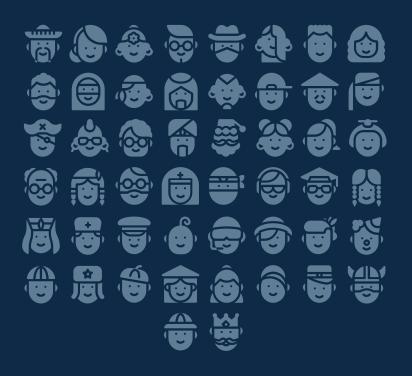
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