From Students…
…to Professionals

Alpha Presentation
Public Opinions on Nuclear Energy from Social Media
The Capstone Experience
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Fall 2022
Project Overview

• Anthropocene Institute is a climate-driven think tank
• Public division and misinformation regarding nuclear energy present challenge to Anthropocene Institute
• Develop a web application to visualize social media sentiments regarding nuclear energy
System Architecture

[Diagram showing the system architecture with components like Twitter API, Cloud Firestore, Google Cloud Functions, Google Natural Language API, HTML5, React, Google Maps APIs, and a computer screen.]
Sentiment map
Average Sentiment and Topics
Case Study
Mobile Interactivity

The Nuclear Sentiment Analysis Tool (NSAT) is an application for researchers to discover how the public feels about nuclear energy through social media posts. By filtering through these posts, the application displays public sentiment by region and tracks these feelings over time. In addition to tracking general positive or negative feelings, NSAT looks for correlations between other factors and their results on sentiment.
What’s left to do?

• Polish front-end
• Collect and display live tweets
• Perform case study data analysis and display
• Perform correlation data analysis and display
• Improve sentiment and classification models
Questions?