# Agenda

* Seg 4 - Links are sent, pictures are parked.

# Website contents- review, changes, edits, content

* + News scrape? Feed

Graphical user interface, text, application

Description automatically generated

* + Content? This is cut <https://nsidc.org/arcticseaicenews/2022/02/arctic-sea-ice-this-january-so-last-decade/>
  + A picture containing timeline

    Description automatically generated
  + Statistics off our data? 2100? Even if we significantly curb emissions in the coming decades, more than a third of the world’s remaining glaciers will melt before the year 2100. When it comes to sea ice, 95% of the oldest and thickest ice in the Arctic is already gone.

Text

Description automatically generated

# Presentation

* + Go thru speaking notes
  + Icebreaker – camera on

# Speaking Order & Topic

* 1min – Leslie—Highlights/ Impacts / Significance
* 2min – Aryam --Data Exploration / Gathering / ETL
* 2min – Amber – Machine Learning
* 2min – Leo – Website Developing
* 1min – Leslie - Highlights/ Impacts / Significance
* 2min – Q & A

# Speaking Pattern

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Key Points | 120 words/min Slow- | 160 words | 200/min words Fast |
| Leslie |  |  |  | 200 words |
| Aryam |  |  | 160+160=320 |  |
| Amber |  |  |  | 200+200=400 |
| Leo |  | 120+120=240 |  |  |
| Leslie |  |  |  | 200 words |
| Q&A |  |  | 160+160=320 |  |
| **1680** |  | 240 | 640 | 800 |

If you are a slow speaker, less than 120

If you speak at an average speed between: 120 - 160 words.

If you are a fast speaker between: 160 - 200 words.

* 1min – Leslie
* 2min – Aryam
* 2min – Amber
* 2min – Leo
* 1min – Leslie
* 2min – Q & A

Speech

1680 words

|  |  |
| --- | --- |
|  | Demonstrates the interactivity of the dashboard in real time |
| Leslie | Welcome to ALYAGroup 2 project overview on Climate Change and the Impact of Artic Sea Ice melting in the Northpole.  This is as opposed to south pole where glaciers are melting as well, just not as fast as the Artic. Even if we significantly curb emissions in the coming decades, meaning your children, grandchildren, children, generations of work, more than a third of the world’s remaining glaciers will melt before the year 2100 and its 2022. So that is 78 years from now. Scientists project that if the Arctic continues to melt it could be ice free in the summer as soon as the year 2040.  When it comes to sea ice, 95% of the oldest and thickest ice in the Arctic is already gone. Today, the Arctic is warming twice as fast as anywhere on earth, and the sea ice there is declining by more than 10% every 10 years. As this ice melts, darker patches of ocean start to emerge, eliminating the effect that previously cooled the poles, creating warmer air temperatures and in turn disrupting normal patterns of ocean circulation. |
|  | Demonstrates the interactivity of the dashboard in real time |
| Aryam | Description of data preprocessing, feature engineering and the feature selection, including the decision-making process, Database stores static data for use during the project, Database interfaces with the project in some format (e.g., scraping updates the database) |
|  |  |
| Amber | Description of how data was split into training and testing sets  \* Explanation of model choice, including limitations and benefits  \* Explanation of changes in model choice (if changes occurred between the Segment 2 and Segment 3 deliverables)  \* Description of how the model was trained (or retrained, if the team is using an existing model)  \* Description and explanation of model's confusion matrix, including final accuracy score   * Result of the analysis   \* Recommendation for future analysis  \* Anything the team would have done differently |
|  |  |
| Leo | 1. Using" beautiful soup" and "splinter" to scrap the news from idc website.  2. We put the scraping script in the "Google app engine Cron task" and it will automatically do the scraping everyday.  3. Store the data into MongoDB.  4. Deploy the web page to "Google app engine".  5. The website is using "Flask" and "pymongo" to show and read the data from MongoDB. |
|  |  |
| Leslie | What happens in these places has consequences across the entire globe. As sea ice and glaciers melt and oceans warm, ocean currents will continue to disrupt weather patterns worldwide. Industries that thrive on vibrant fisheries will be affected as warmer waters change where and when fish spawn. Coastal communities will continue to face billion-dollar disaster recovery bills as flooding becomes more frequent and storms become more intense. People are not the only ones impacted. In the Arctic, as sea ice melts, wildlife like walrus are losing their home and polar bears are spending more time on land, causing higher rates of conflict between people and bears.  Your impact on climate change primarily comes from: what you eat, how you power your homes and mobile devices, and how you travel from place to place.  Peldge  I can commit to reducing my carbon footprint by taking a hard look the footprint of my food, the electricity I use, and how I get from place to place. I can start making an impact right away by committing to the following:  Food  I will set a goal of reducing the food waste in my home from its current levels.  I commit to only buying what I need and eat what I buy!  Electricity  I will check out solar panels or look into community solar projects in my area  I will look into options to switch to renewable energy from my utilities company.  Transportation  I commit to reducing the fossil fuel impact of my daily commute to work or school by walking, riding my bike, carpooling, or using public transportation one or more days per week. |
| Questions? | Question 1  Question 2  Question 3  Question 4 |

<https://www.publicationcoach.com/ten-ways-to-write-a-better-speech/>

<https://www.worldwildlife.org/pages/why-are-glaciers-and-sea-ice-melting>

<https://www.severe-weather.eu/global-weather/polar-vortex-2022-rapid-intensification-bomb-cyclone-iceland-snow-mk/>

Presentation Day

Arrive at 6:15 and wait in lobby until 6:30 open.