

FEATURES LIST

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BASIC FEATURES

- ✓ Use WebMapReduce to reduce large datasets into an organized and easy-to-use format (i.e. organize data by occurrences each year) [Maria - 100%]
- ✓ Output a simple graph of data results using Gnuplot (histogram, line graph) [Luke - 100%]
- ✓ The ability to perform basic statistical analysis of the data [Diyang, Rachel - 100%]
- ✓ Graphical User Interface that allow users to select a dataset to display [Luke, Rachel, Diyang - 100%]
- ✓ Provide the user with a wide variety of sample data, sorted into categories [Maria - 100%]

INTERMEDIATE FEATURES

- ✗ Create a subclass that projects the possible outcomes based on probability and patterns in the input data [Team - 25%]
- ✓ Allow users to upload and display their own data with our MapReduce framework [Maria, Rachel, Diyang - 75%]
- ✗ Reliable analysis of the data and predictions (validity and accuracy) [Team - 0%]
- ✗ Give the user an option to alter the next few years of data to experiment with outcomes (i.e. reduce carbon emission over the next 10 years and see how that affects global temperature) – Ideally, using a slider directly on a graphed visualization of the data [Team - 0%]

ADVANCED FEATURES

- ✓ Create a graph that displays the relationship between two or more types of data (i.e. compare natural disaster occurrences with CO₂ emissions / ocean temperatures) [Luke - 75%]
- ✗ Include data from more than one country [Maria - 25%]
- ✗ Display a graph that uses location data to plot data points on a map [Maria, Luke - 25%]
- ✗ Create an animated/dynamic mapping display that shows the changes in a dataset over a specified period of time [Team - 0%]