* **Basic Info.** The project title, your names, e-mail addresses, UIDs, a link to the project repository.

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*GitHub*: <https://github.com/willdenms/dataviscourse-pr-climate_change_players>

* **Background and Motivation.** Discuss your motivations and reasons for choosing this project, especially any background or research interests that may have influenced your decision.

*Background*: We care about the earth.

*Motivation*: Want to show what variable of climate change exist and how each country contributes.

* **Project Objectives.** Provide the primary questions you are trying to answer with your visualization. What would you like to learn and accomplish? List the benefits.

1. What countries produce the most emissions?
2. How Population affects climate change?
3. How Physical attributes of a country plays a role in climate change?
4. How economic growth plays a role in climate change?
   1. GDP? Infrastructure?
5. Who Cares about climate change
   1. Can these people do anything about it
6. How all of these change over the years?

* **Data.** From where and how are you collecting your data? If appropriate, provide a link to your data sources.
  + [**http://climate.nasa.gov/**](http://climate.nasa.gov/)
  + [**http://data.worldbank.org/indicator/EN.ATM.CO2E.PC?end=2013&start=1960&view=map**](http://data.worldbank.org/indicator/EN.ATM.CO2E.PC?end=2013&start=1960&view=map)
  + [**https://en.wikipedia.org/wiki/List\_of\_countries\_by\_carbon\_dioxide\_emissions\_per\_capita#Annual\_carbon\_dioxide\_emissions\_.5Btonnes.5D\_per\_capita**](https://en.wikipedia.org/wiki/List_of_countries_by_carbon_dioxide_emissions_per_capita#Annual_carbon_dioxide_emissions_.5Btonnes.5D_per_capita)
  + [**http://data.un.org/Data.aspx?d=WDI&f=Indicator\_Code%3AEN.ATM.CO2E.PC**](http://data.un.org/Data.aspx?d=WDI&f=Indicator_Code%3AEN.ATM.CO2E.PC)
  + **\*\*\*** [**http://data.un.org/Explorer.aspx?d=GHG**](http://data.un.org/Explorer.aspx?d=GHG) **\*\*\***
  + [**http://data.un.org/Default.aspx**](http://data.un.org/Default.aspx)
  + [**http://data.okfn.org/data/core/country-list**](http://data.okfn.org/data/core/country-list)
  + [**https://www.worlddata.info/downloads/**](https://www.worlddata.info/downloads/)
  + [**https://www.google.com/trends/**](https://www.google.com/trends/)
* **Data Processing.** Do you expect to do substantial data cleanup? What quantities do you plan to derive from your data? How will data processing be implemented?

*Cleanup*: The data we are pulling from will be clean however we expect to do a substantial amount of data manipulation for inter connectivity between visualizations.

*Quantities*: Search usage, standard country data (pop., size, etc..), Emissions by country and year, economics by country and year.

*Implementation*: We will implement using csv data and d3.

* **Visualization Design.** How will you display your data? Provide some general ideas that you have for the visualization design. Develop **three alternative prototype designs for your visualization**. Create **one final design that incorporates the best of your three designs**. Describe your designs and justify your choices of visual encodings. We recommend you use the [Five Design Sheet Methodology](http://fds.design/).

*General*:

* Word Cloud
  + Title
  + Google search term usage over the years, related to Climate Change
* Maps
  + Give country statistics we wish to show
* Graphs
  + To help display what the maps show
* **Must-Have Features.** List the features without which you would consider your project to be a failure.

1. Word Cloud
2. Graph Emissions: By Year and country
3. Graph Population: By Year and country
4. Full inter connectivity between graphics

* **Optional Features.** List the features which you consider to be nice to have, but not critical.

1. Animation

* **Project Schedule.** Make sure that you plan your work so that you can avoid a big rush right before the final project deadline, and delegate different modules and responsibilities among your team members. Write this in terms of weekly deadlines.