**Names:**

Your mini-proposal should be no more than 2-pages long, 1.5 spacing, 12-point font. The sections you need to include are listed below with descriptions. Make sure to proofread your proposal for any typos or grammar mistakes before submitting.

*Title*

* Include the variables you are investigating.
* Include the location of the study and time period.

*Introduction*

* State the problem or topic that you are investigating.
* Explain why you think your variables may be related or correlated.

*Testable Question & Hypothesis*

* State your testable question and your hypothesis.
* Include the location of the study and time period.

*Planned Procedure – Description of Original Data Collection*

* Where did you find the data online? What is the URL?
* Where in the world were the original data collected that you will be using?
* Who collected the original data that you will be using? Provide names if possible.
* How did the scientists make the original measurements of the data that you will be using?
* For the original data, when was it first collected? How frequently was it collected (hourly, daily, monthly, yearly)? When was it last collected?
* Will you be using the full data set for your investigation or a smaller time period? If a smaller time period, list the years you will investigate.

*Planned Procedure – Investigation Design Table*

* Background Questions:
  + Are there any questions that you could have asked at the beginning of this investigation that helped you understand your data?
  + What other information may help you better understand your results?
* Independent Variable (variable changing on its own):
* Dependent Variable (variable you think is changing due to the independent variable):
* Constant(s):

*Planned Procedure – Description of Data Analysis*

* How will you set up your data table? What are the names of the columns and what are the names of the rows?
* What will you use to interpret the data? What software will you use (Google Sheets, Excel, something else)?
* Draw or describe the kind of figure you will use to plot the data. What will be your x- and y-axes?
* Will you use averages or all of the data when interpreting your data?