PRELIMINARY PRESENTATION

This intermediate step of the project will be used to check in on the progress of the final deliverables and receive some feedback from your peers.

This will be done as a group slide show and discussion, probably 3-5 minutes for presentation, and another 2-4 for discussion. Please complete the tasks below and then upload these to a collective google slides presentation which you can find [here](https://docs.google.com/presentation/d/1g5VzbrIjdwrvCEvbCnYNlt1n2a91F-stNGuAzg4bEOw/edit?usp=sharing).

This assignment is graded on completion, and should be taken as an opportunity to get and give good feedback!

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# PRESENTATION CONTENT

Your preliminary slides should contain the following information. There are three categories, so you will need at least three slides, but feel free to add more, especially if you have several relevant figures to present.

**Research Question:**

* Jump straight to the point and tell the class what you are investigating for the project. Answer questions like: “What site are you investigating? What pollutants are you investigating? What are you comparing or evaluating, if anything?” A good research question is a single statement that can answer all of these questions at once in the form of a question.
* Provide your team’s hypothesis about your question, and, if you have it, a statement of what your results show so far.

**Preliminary Figures:**

* Provide slides for every important figure you have made so far using openair or other software. Please show each figure and then please describe:
  + What the figure is of
  + What results the figure shows
  + Specific feedback you are looking for on the figure (if any)
* You may be able to fit multiple figures on one slide if they are related, and especially if you are trying to show a comparison between them.

**Progress Update and Questions:**

* As a final slide, provide a summary of the work you’ve done so far, and the roles that your team members have assigned for themselves (e.g. R coder, Site researcher, media researcher, media artist, etc.)
* On this or another slide, leave space for your peers to ask questions about your figures or research question, AND write down on the slide any questions you want to ask your peers about anything you presented thus far.

# RESOURCES FOR FIGURE USES

* Engineering / Other
  + [Utah State University](https://engineering.usu.edu/students/ewc/writing-resources/tables-figures)
    - <https://engineering.usu.edu/students/ewc/writing-resources/tables-figures>
  + [Tips on Effective use of Tables and Figures in Research Papers](https://www.editage.com/insights/tips-on-effective-use-of-tables-and-figures-in-research-papers)
    - <https://www.editage.com/insights/tips-on-effective-use-of-tables-and-figures-in-research-papers>
* Textbooks on Air Quality and Air Quality Figures
  + Fundamentals of Air Pollution: <https://books.google.com/books?hl=en&lr=&id=iFcXAwAAQBAJ&oi=fnd&pg=PP1&dq=air+pollution&ots=rgJ9sZ634s&sig=Ft_IlXgI1mn8fiDpFnvXQzRhHmE#v=onepage&q&f=false>
  + Air Pollution Control Engineering: <https://books.google.com/books?hl=en&lr=&id=rc0SAAAAQBAJ&oi=fnd&pg=PP2&dq=air+pollution&ots=GLrBYK3YJn&sig=AQGy-yhSl3im1awTsNYc26YXg-M#v=onepage&q=air%20pollution&f=false>
  + Theil on Theil-Sen Trends: <https://link.springer.com/chapter/10.1007/978-94-011-2546-8_20>
* Articles utilizing Air Quality Figures
  + Source Region ID using Kernel Smoothing: <https://pubs.acs.org/doi/10.1021/es8011723>
  + Application of Wind Rose for Turbines: <https://ieeexplore.ieee.org/abstract/document/8074398>
  + Polar Isopleth: <https://www-sciencedirect-com.dartmouth.idm.oclc.org/science/article/pii/0004698181901839>
  + On the Std Vector Derivation Wind Rose: <https://journals.ametsoc.org/view/journals/atsc/14/1/0095-9634-14_1_28.xml?tab_body=pdf>
  + Ground Level Ozone in the UK: <https://www-sciencedirect-com.dartmouth.idm.oclc.org/science/article/pii/S1352231006007291>
  + Wind Data for Airport design: <http://jairm.org/index.php/jairm/article/view/26>
  + Sen on Theil-Sen Trends: <https://www.tandfonline.com/doi/abs/10.1080/01621459.1968.10480934>