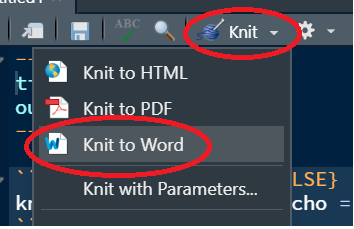
ES218 Project – Peer review

Make sure to read the following guidelines before proceeding:

* You will clone the author’s repo to your local folder. Then you will create a new branch to that repo called *feedback\_<your name>* where you will add/commit two Word documents (outlined later in these instructions).
* You as the reviewer will need to check that all the packages used in the project’s script are installed on your computer. You will know if a package is missing from your computer if the RMD file fails to knit (the error message should be self-explanatory).
* Inline feedback will be done in a Word knitted version of the Rmd file. You can knit to Word using   
    
  Note that feedback pertaining to figure size and layout should be based off of the HTML knitted output and not the Word knitted output
* When completed, commit this Word document and the knitted Word file (with feedback) to the author’s github repo.

1. Author whose project you are evaluating: **Ashley Weaver**

1. Evaluate each criterion on a score from 1 to 5 (5 being best):

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| --- | --- | --- |
| Criterion | Description | Score  ( 1 to 5 ) |
| Complexity of analysis | * Was the analysis thorough? * Did the nature of the analysis involve complex coding procedures? * Did the author go above and beyond what was expected?  (note that a score of 5 should be assigned judiciously) | 5 |
| Reproducibility | * Was the “knitting” of the Rmd file error free? **(if the knitting process produces an error, 3 points should be automatically deducted)** * Were all warnings and messages suppressed from the output? | 5 |
| Presentation  &  Code quality | * Was the document carefully constructed with properly sized figures? * Were the code chunks clear and properly commented? * Were all loaded packages used as intended by the author? | 5 |
| Discussion | * Did the author clearly layout a narrative? * Were the figures and analyses appropriate for what the author was trying to convey? | 5 |

1. Provide thoughtful and constructive feedback. *For example, how could the analysis be improved? Were there errors in the code, if so, what fixes were needed? Are there portions of the script that could have been simplified or re-written in a more succinct way? Did the figures match the narrative? Were there aspects of the analysis that you found novel or unique? Did you learn something new while reviewing the write-up?  
   Make sure to format any code chunks used in your write-up using* ***Courier New*** *font (and maybe change its font color too to distinguish it from the text). Also, indicate the Rmd line number(s) being referenced. You are free to embed snapshots of the html output or Rmd sections via Insert >> Screenshots >> Screen clipping.*

Overall, I was really impressed with your analysis and thought it was really interesting. I think you laid out a clear narrative from your introduction and did a great job of explaining the layout of your analysis, especially in the introduction and methods section. Additionally, you finished your analysis strong with the Conclusion and Recommendations section. Great job!

**Complexity of analysis:** I think including the race data along with the health data proves how detailed your analysis was. I think it’s great that you went beyond just comparing the heath data in Cancer Valley and further looked at demographics, which goes with your main research question of “Exploring Potential Environmental Racism in Cancer Valley.” I also thought it was great to further include a country-wide analysis to see how the health data in Louisiana lines up with the rest of the states. Additionally, as shown in your R script you used a lot of difficult coding procedures in your analysis, especially combining operations using the pipe operator.

**Reproducibility:** I had no trouble “knitting” the Rmd file. All warning and messages were suppressed from the output as indicated by your code. There was one figure (Race and industry map of Louisiana) that did not reproduce in the word document, but it worked perfectly fine for the HTML file.

**Presentation & Code Quality:** I thought the methods section was very well-written clearly described how you were going to use each library package in your data. Additionally, I thought your script was very succinct and you did a great job of using dplyr package to manipulate the data. I don’t have any comment on ways in which your R-script could be re-written or simplified. I thought all your code chunks were clear and properly commented. There are a couple small way to improve the layout or color scheme of your figures in your analysis, but those changes aren’t entirely necessary.

**Discussion:** I thought you did your analysis on a really interesting topic. Cancer Alley is something I remember learning about in Environmental Policy and I learned more throughout your analysis. I think it’s great you used the Health Data to dive even deeper into issue. thought all of the graphs and plots that were presented in your analysis lined up well with your narrative. And it was effective to start your analysis small, just including the counties in Cancer Alley, and the building up to counties in Louisiana, and later to all the states in the whole country. My one comment was at point you create a QQ plot to analyze the distribution of premature deaths in Louisiana at the county level, but you don’t analyze premature deaths at the county level any further. It may be beneficial to further analyze pre-mature deaths.