ES218 Project – Peer review

Make sure to read the following guidelines before proceeding:

* Note that 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).
* You are all expected to know how to diagnose knitting errors. If errors do present themselves you are to document them in this review. In most cases you should be able to fix them (if I deem a knitting error too difficult to diagnose, I’ll contact the reviewers independently).
* When completed, commit this document to the author’s github repo.

1. Project being reviewed (this is the author name): Ashley Weaver
2. 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, this is a great project. All of the code is well written, concise and well labeled with comments. The write-up follows a strong narrative and the figures are very effective in weaving that narrative together. Great job including a separate data set into your work.

Some things that could be fixed up are:

1. Under the insurance figures, altering the y-limits to be the same using the ylim() function. In its current state, the side-by-side figure is a little misleading due to the different scales used on the graphs. Giving them a uniform scale would make things look a little neater and less deceiving.
2. The cancer alley death figure would benefit from angling the x-axis labels. Currently they are all over lapping. Increasing the figure size to allow for more space and tilting the labels >= 45 degrees would improve readability. You could use something like this:

“+ theme(axis.text.x = element\_text(angle = 45,

hjust = 1.5))”