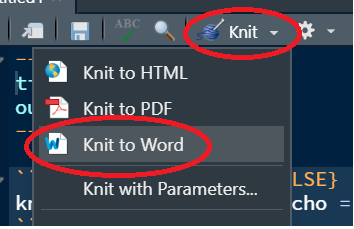
ES218 Project – Peer review

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: Curtis Zhuang

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) | 4 |
| 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? | 4 |
| Discussion | * Did the author clearly layout a narrative? * Were the figures and analyses appropriate for what the author was trying to convey? | 4 |

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.*

Complexity of analysis: The analysis was solid and you created effective figures with a good amount of piping operations and faceting required. I liked that you included the models at the end, but it would have been helpful if you explained what you did with them a bit more. Overall, in some places I think you could add a bit more explanation of what you did and how you came to certain conclusions.

Reproducibility: I had no problem in knitting the document and all the warnings and messages were hidden in the output. All of the code worked.

Presentation & code quality: Overall the code was very good, I think there were just a few places where it could have been condensed. There were also just a few figures that could have been formatted a bit better that I noted.

Discussion: You did a good job tying together your figures and analysis. There were some places where I felt like you jumped to conclusions a bit so I think if you added some more description to connect your points that would be helpful. I found some similar things in my analysis (such as age increasing over time), but it was interesting to see your results on severity, while treating it as a quantitative variable.