

Lab 1

PUT YOUR NAME HERE

2/1/23

Due: 4:30 p.m. February 1, 2023

Total Points: 18

Enter your answers below each question. Submit your `.qmd` file through Canvas

1

Write code to get the tornado data (from file `Tornadoes.csv` in the directory `data`) into your R environment as a data frame called `Torn.df` (4)

2

Write code to get the average tornado path length. The path length variable is `len` in `Torn.df` from question 1 (4)

3

Write code to create a new data frame from `Torn.df` containing only tornadoes with damage rating (`mag`) greater or equal to 4 (4)

4

Write code to make the functions from the `{ggplot2}` package available to your current R session (4)

5

Type your answers below to the following questions: According to the PBS video entitled “What is the riskiest region in the US as the climate changes?” (linked in the file 05-working-with-data.qmd), what state has the county with the highest overall risk resulting from climate change? What is the name of the county? (2)