

Homework # 1

You must write your own R Markdown file from scratch. The document must contain the following:

1. The file submitted in Sakai must be the markdown file with file extension “.Rmd”.
2. The output must be an html file.
3. Include in the document the title “Homework 1”, your name as the author, and the date.
4. The document must contain three categories as “Header 1”.
 - a. Category 1 should have two more subcategories. In the first subcategory you must write one paragraph about your favorite hobby. You must choose the title accordingly. This paragraph must contain words that are: *italics*, **bold**, and ~~strikethrough~~. The second subcategory must contain a few sentences about your favorite movie. Include a hyperlink to the trailer of the movie from Youtube. All categories and subcategories must be titled according to your topic.
 - b. Category 2 should be titled “Lists and Tables”. This category will contain three subcategories. In the first subcategory you will write an unordered list of all the classes you are taking this semester. The second subcategory you will write an ordered list (1., 2., 3...) of your top 5 favorite fruits or vegetables. In the third subcategory, you should write a table with three to 5 columns and 5 to 7 rows. Use your creativity! You may include a few sentences describing what your table is about. Each subcategory must be titled according to what you are discussing.
 - c. Category 3 should be about coding. This category will contain three subcategories. In the first subcategory write a few sentences describing the codes that will follow. After these sentences write the code chunk which includes you defining two vectors, then three lines on performing operations with those two vectors. In the second subcategory, write the same chunk of codes, but use `eval = FALSE`. Do write a few sentences before the code, describing what is happening. In the third subcategory, write the same chunk of codes, but use `echo = FALSE`. Do write a few sentences before the code, describing what is happening. All categories and subcategories must be titled according to what you are discussing.
5. Knit your file to make sure it's running without any problems. I do recommend knitting it as you work with it to make sure everything is “looking” as it should.