# Lab 9: Use R Markdown to create a document

## The data file

numbers.csv

## Tasks

1. Create a new R Markdown file. Delete all of the default text in the file except for the YAML header.
2. Add a block of code that reads the data file into a tibble, but don’t display the code or any of its warnings or messages in the resulting HTML document.
3. Add a level-1 heading that says, “Lab 10 R Markdown”. And include your name in this heading.
4. Add a level-2 heading that says, “The Num column”.
5. Add text that says, “This code shows the values of the **Num** column.” Make sure to include the boldface in the text.
6. Add a block of R code that displays the Num column. In the resulting HTML document, display both the code and the output of the code.
7. Add a level-2 heading that says, “A plot of the Num and NumSquared columns”.
8. Add text that says, “This plot shows the relationship between the **Num** and **NumSquared** columns.” Make sure to include the boldfacing in the text.
9. Add a block of code that creates a line plot with the Num column on the x axis and the NumSquared column on the y axis. In the resulting HTML document, don’t display the code for this block, only the resulting plot.
10. Replace the date in the YAML header with code that displays the current date.
11. Submit your file as Lab9***lastname***.Rmd on Ecampus for grading.

How it will be graded:

| Lab Requirements | Points | Total |
| --- | --- | --- |
| 10 steps coded properly | @ 6 points each | 60 points |
| File named correctly and submitted as a .Rmd file, not an html page. | 10 bonus points | 10 points |
| Total |  | 70 |