Statistical and Mathematics Class
Assignment #1 – Hypothesis Testing

Recently a blood pressure experiment was conducted on 25 individuals. The results can be found in the **BloodPressure.xls** database.

Goal of Analysis

The research team is trying to determine if an individual's blood pressure has changed after exercising regularly for the past month (30-days).

Questions:
1. State the Hypothesis Statement that helps solve the research question
2. Provide a written *step-by-step outline* on how you would prove (or dis-prove) your hypothesis statements that you developed above.
3. Conduct the analysis you outlined in #2 in R
4. Summary of findings and conclusion

Please post your <u>Word Document (.doc or .docx) including your R script</u> by 11:59 pm

All you need to do isto copy the code from your top left panel in R and paste it at the bottom of your word document.

Grading Rubric

	Needs Improvement	Average	Above Average	Comments
1. Hypothesis Statement 2. Step-by-step outline on how you would prove (or dis-prove) your hypothesis. 3. Conduct Analysis described in Step #2 in R 4. Summary of findings and conclusion	Missing the minimum requirements stated in the assignment requirements	Meets the minimum requirements stated in the assignment	Exceeds the requirements that are stated in the assignment requirements.	