

**Special Topics: Data Analytics and Visualization in Healthcare**  
CSCI-GA.3033-096 (19635)  
**Lab assignment 4**

**Instructions:** Find a healthcare dataset and perform the following exercises. The dataset should be different from the one(s) that you will use in your final project.

- Perform Logistic Regression Analysis using R or Python:
  - Perform Simple Logistic Regression for each independent variable and the dependent variable.
    - Explain obtained results.
  - Perform Multiple Logistic Regression for all independent variables and the dependent variable.
    - Explain obtained results.
    - Try different combinations of variables and decide the best combination of independent variables for your multiple logistic regression model.

**Notes:**

- This assignment is individual.
- Submit the following:
  - The .R file or the .ipynb file.
  - Add your conclusions as comments in the .R or .ipynb files.
  - Dataset file

**Due date:** Thursday, November 10 at 11:59PM.