# Assignment 4 – Logistic Regression

*The purpose of this assignment is to use Python to learn how to perform logistic regression analysis with python.*

This assignment provides you with an opportunity to demonstrate the achievement of the following course learning outcomes:

* Understand Logistic regression
* Understand and apply the Python programming language
* Understand and apply feature selection principles

## Key Information

* **Type:** *Individual*
* **Weight:** 6.5%
* **Delivery:** Course website upload
* **Due Date:** 20/02/2019

## Expectations

You are expected to complete this assignment individually.

Respect for academic integrity is crucial to your success. Make sure you understand what constitutes acts of academic dishonesty in the page: [What is Academic Dishonesty?](http://mcmaster.ca/academicintegrity/students/whatis.html)

## Instructions

Find a data set that is suitable as a topic of a logistic regression analysis; you may not use a data set that was discussed in class on Feb 13th, 2019. Briey describe your chosen data set and explain where it was sourced. Carry out a thorough analysis of your chosen data set using regression. Provide a clear and concise description of the results and state what conclusions can be drawn from your analysis.

Note: For feature selection, use RFECV as explained in the class.

## Submission

Please submit your .py or .ipynb files to avenue before 20/02/2019.