

ASSIGNMENT 2

Topics Covered: Supervised Learning

Assessment Objective

The purpose of this assignment is to assess your understanding of the concepts taught in the supervised and unsupervised learning modules and lectures.

We can assess these modules easily by:

- Asking you to implement step by step methodology to generate and interpret the results.

Submission Checklist:

An assignment 2 folder is already created on Brightspace (in Assessment section)

While submitting the assignment, the name of the submission items must be “Firstname_Lastname_Assignment2”

- A. Create a document (in the pdf format) that includes the following:
 - I. Your name, CSID and Banner #
 - II. Mention the link of the jupyter notebook
 - III. If necessary, credit for any project resources you have used as starting point for your assignment
 - IV. In this document, write down the description of what you have implemented and how you have implemented (step by step) with proper reasoning.
- B. Upload the jupyter notebook with the same name.

Note: There must be two files: One pdf document in which you have listed all the logic behind every step performed in the Jupyter Notebook. Second is the Jupyter Notebook itself.

Academic Integrity:

All the submission documents will be crosschecked via Moss and Turnitin. Do not share your code and report with anyone. In case of academic integrity violation, a strict action will be taken.

Files provided along with Assignment:

1. Assignment 2.pdf: There are two parts of the assignment: A and B. You have to complete both parts.
2. KNN_Project_Data: This is the data set which will be used for Part B. No description is given related to this data set.

3. Iris Flower Data Set: It will be used in Part A. A description of the data set is given in the assignment itself. It is generated by Sir Ronald Fisher. Search for this data set.