

BRONX COMMUNITY COLLEGE
of the City University of New York
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

CSI33 Section E01
Fall 2017
Due: Monday, September 11, 2017

Project 1
September 6, 2017

A Dataset Class for Test Scores

Introduction

This project is the first part of Programming Exercise 7 of Chapter 2, on page 72. The specific requirements of this class will be discussed in class; they are also in Chapter 2 of the book. The concrete representation you will use to implement the dataset of scores will be a Python list for Project 1. (The second representation suggested in the chapter will be used in Project 2, to complete Programming Exercise 7 of Chapter 2.) You will create a folder called `DatasetI` which will have two files, `Dataset.py` and `test_Dataset.py`. You will create `Dataset.py` by taking the version provided as Python code in Chapter 2, which only has preconditions and postconditions for certain methods specified as comments. You will add the necessary code for the implementation of these methods. You may also add any other methods you think are necessary to satisfy the requirements for the `Dataset` class.

Using IDLE

This project will be completed by copying the necessary files from Chapter 2 (`Dataset.py`, `test_Dataset.py`) into a folder you will create called `DatasetI`. Use IDLE to write the methods sketched in `Dataset.py`, and test them by running the file `test_Dataset.py` from the same folder.

Please submit both files, `Dataset.py` as you have changed it, and `Test_Dataset.py` as originally given, for testing. As with all files handed in for work in this class, be sure to include opening comments giving your name, the date, and the project number or assignment name.