From the previous months, prior with this on-going pandemic crisis, our class has agreed to make a project for the subject Software Engineering. It leads up to the decision of splitting the class into two groups which was later on categorized as the Website and Desktop. Our group was then assigned to the Desktop software project. The project was chosen to help instructors and students. The software was supposed to be designed with user’s log in, then menu of class quiz and class scores/result with prediction of student’s assessment. The function of our group to the said project is to predict the assessment of the students whether they would fail or succeed the upcoming quizzes. It also comes with the percentage of the students overall evaluation with graphical representation using linear or multiple regression analysis.

Prediction of student’s performance from their quizzes would benefit the instructors/teachers to take initiative and help the student on what particular lesson that student find difficult to understand. To be able to cope up on what and how to do the prediction part of the software, our group has been studying about regression analysis. In fact our instructor, Engr. Max Angelo Perin, helps us to understand and gave us information about regression analysis through the medium of Microsoft Excel. Just then, he gave us an activity for us to make an example data in Excel represented with three quizzes in all. Consequently, we found the correlation between the student’s scores of Quiz 1 and Quiz 2 with the result of the prediction that the students might pass the Quiz 3 by looking at the graph and the correlation coefficient. So far, here’s what I have understood about regression analysis:

a) Regression analysis assists you to somehow understand the relationship between variables X (independent variable – variables that influence dependent variable) and Y (dependent variable – the main variable you’re trying to understand and predict) in a mathematical way and shows that dependent variable changes when one of the independent variable varies.

b) Regression analysis can somehow help you in predicting something in the near future for example, the prediction of the performance of the students for the upcoming quiz.

Nevertheless, all of this information must be applied in programming our part in creating the software.

However, the progress of our work is gradual. First of all, Sir Max asked us to execute a design for our interface (GUI) and particularly for us; we were being practiced to do example data in Microsoft Excel while waiting for the other group for the data they’ve gathered. Unfortunately, we didn’t finish the task given to us because of the following reasons:

1. We weren’t really able to digest a lot of knowledge about our task.

Even though we quite understood the concept of Regression Analysis, it was not enough for us to code the functions needed for the software.

2. Our task is dependent to the other group’s data.

Since the other groups are also having their difficulties in their assigned tasks, we were not able to get from them the data we need for our Prediction.

3. My laptop was damaged.

Even though I want to finish it and is willing to understand more about it, my laptop is incapable of doing so because it shut down right after the week of community quarantine. I was planning to go to the technician but unfortunately, the establishments were closed temporarily.

For these reasons, we haven’t been able to finish the said task given to us. And we have failed to execute the task properly. But overall, I have enjoyed the learning that I have now and probably will continue to gather knowledge and understand more if my laptop will be able to operate properly. I would like to extend my thanks to our instructor, Sir Max, for teaching us and God speed.